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This Bulletin is for informational purposes and does not constitute a contract. Wheaton College complies with federal and state requirements for non-discrimination on the basis of handicap, sex, race, color, national or ethnic origin in admission, and access to its programs and activities.

The information in the electronic edition of the catalog is accurate as of the revision date noted on the bottom of each page and supersedes previous editions of the catalog.

Revision Date: September 23, 2019
WHEATON IN PROFILE

College Mission

Wheaton College serves Jesus Christ and advances His Kingdom through excellence in liberal arts and graduate programs that educate the whole person to build the church and benefit society worldwide.

The institutional mission statement expresses the stable and enduring identity of Wheaton College. All the purposes, goals, and activities of the College are guided by this mission.

Educational Purpose

Committed to the principle that truth is revealed by God through Christ “in Whom are hid all the treasures of wisdom and knowledge,” Wheaton College seeks to relate Christian liberal arts education to the needs of contemporary society. The curricular approach is designed to combine faith and learning in order to produce a biblical perspective needed to relate Christian experience to the demands of those needs.

The founders of the College and their successors have consistently maintained that academic excellence and evangelical Christian faith and practice are essential to that purpose.

Educational Objectives

Undergraduate Program

The undergraduate program at Wheaton is intended:

• To enable students to apprehend truth in their study of Scripture, of nature, and of humanity; to appreciate beauty and order in God’s creation and human creativity in the arts and sciences, and to apply those insights to the pursuit of righteousness in the life of both the individual and society;
• To provide a liberal arts education that acquaints students with the organized fields of learning in the context of a Christian view of nature, of humanity, and of culture through the study of both biblical and general revelation;
• To assist students to respect, understand, and evaluate the thoughts of others, to express their thoughts clearly and effectively, and to cultivate the lifelong habit of learning;
• To make available opportunity for concentration and research in one field of learning and to lay foundations for career, graduate, and professional training;
• To help students understand the meaning of life and their service to society, family, and the church, and to prepare them for the responsible use of their freedom and ability by virtue of their commitment to Jesus Christ as Savior and Lord;
• To encourage students to develop priorities and practices that will contribute to their well-being and effectiveness physically, psychologically, socially, and spiritually.

These objectives are implemented through carefully planned programs and activities. Because the Scriptures are the integrating core for a Christian liberal arts education, all students take courses in biblical studies, so that they may understand more fully the bearing of Christian faith on life and thought.

But that objective of a fully Christian understanding of all of life and thought is not limited to course work in biblical studies. Christian perspectives are brought to bear in all subjects and disciplines.

Indeed, the very purpose of a Wheaton College education is to prepare students and alumni to engage the world redemptively for Christ and His Kingdom. This redemptive engagement will take many forms. It involves proclaiming the gospel to a world that does not know or acknowledge Jesus Christ as Savior and Lord. It also includes learning from, critiquing, and challenging the major traditions of human learning.

Wheaton College does not exist to shelter students from a world hostile to faith in Jesus Christ. On the contrary, the goal is to prepare students to think and behave redemptively as Christians within that world. Thus, the faculty of Wheaton College aspire to be faithful mentors and guides to students as they engage together the full breadth of human thought, including those topics and areas which challenge their faith. The goal in this process is always to help students think as Christians about what they are studying.

The College endeavors to maintain high academic standards by encouraging faculty excellence both in teaching and in other scholarly activity, and by encouraging students in independent study, analytic thinking, and the quest for excellence.

Although primarily a liberal arts college, Wheaton provides pre-professional study in education, engineering dual degree program, and liberal arts-nursing. The Conservatory of Music offers both a liberal arts degree and professional music degrees (see the Conservatory of Music (p. 227) section).

Both secular and religious leaders recognize the importance of a Christian liberal arts education as a preparation for careers in such fields as business and government. When integrated with a committed Christian faith, the broadly based knowledge and the training in analysis and in communication skills of such an undergraduate education prepare the individual for lifelong learning and service, as well as for a variety of careers.

Graduate School

The graduate programs of Wheaton College focus on areas of strategic importance to church and society where our historic strengths enable us to make distinctive contributions to the world of Christian higher education. These strengths include clear commitments to the supreme and final authority of the Scriptures, a tradition of excellence in academic pursuits rooted in the liberal arts, and a commitment to bringing Christian faith and learning together in the context of a dynamic community of faith.

These carefully planned graduate programs seek to bring Christian belief and perspectives to bear on the needs of contemporary society. Students have the opportunity to work closely with accomplished teacher-scholar-practitioners and, where possible, with accomplished scholar-practitioners outside of Wheaton. We provide academic and professional preparation that will enable the committed Christian student to articulate a biblical and global worldview and to apply it to service for Christ and His Kingdom.

The graduate programs are designed to enable our graduate students:

• To develop an appropriate graduate-level mastery of an academic discipline and of its methods of scholarly inquiry and professional application;
• To develop a biblical framework for understanding their discipline in order to integrate faith, learning, and practice effectively;
• To develop interdisciplinary breadth and inquiry through our required study of biblical and theological studies by all students, and through
exposure to the broader liberal arts emphases of our academic community;

• To pursue their own holistic development in the context of this dynamic community of faith in order to better be prepared to serve Christ and His Kingdom throughout the world;

• To serve effectively in improving society and building the church—locally, nationally, and globally—in their chosen vocations by using critical thinking skills in the disciplines.

Since the integrating core of all of our graduate programs is our institutional commitment to grounding academic study in Christian truth (i.e., “integrating faith and learning”), foundational knowledge of the Scriptures is a prerequisite to successful study here. Many students bring rich experience from domestic and global Christian ministry to their graduate studies at Wheaton College, and many Wheaton College graduate alumni have in turn made distinctive contributions to church and society around the world.

Graduate studies at the master’s degree level are available in Biblical Exegesis, Biblical Studies, History of Christianity, Old Testament Archaeology, Theology, Clinical Mental Health Counseling, Marriage and Family Therapy, Teaching (Elementary and Secondary), Outdoor and Adventure Leadership, Intercultural Studies, Evangelism and Leadership, Ministry Leadership, Missional Church Movements, TESOL and Intercultural Studies, Higher Education and Student Development, and Humanitarian & Disaster Leadership. A Doctor of Philosophy (Ph.D.) in Biblical and Theological Studies and a Doctor of Psychology (Psy.D.) in Clinical Psychology are also offered.

Graduate-level certificate programs are also available: Certificate in Teaching English to Speakers of Other Languages (TESOL), Certificate in Teaching English as a Foreign Language, Certificate in Global Engagement, Certificate in Organizational Leadership, and Certification in Cross-Cultural Ministry.

Statement of Faith

The doctrinal statement of Wheaton College, reaffirmed annually by its Board of Trustees, faculty, and staff, provides a summary of biblical doctrine that is consonant with evangelical Christianity. The statement accordingly reaffirms salient features of the historic Christian creeds, thereby identifying the College not only with the Scriptures but also with the Reformers and the evangelical movement of recent years.

The statement also defines the biblical perspective which informs a Wheaton education. These doctrines of the church cast light on the study of nature and man, as well as on man’s culture.

• WE BELIEVE in one sovereign God, eternally existing in three persons: the everlasting Father, His only begotten Son, Jesus Christ our Lord, and the Holy Spirit, the giver of life; and we believe that God created the heavens and the earth out of nothing by His spoken word, and for His own glory.

• WE BELIEVE that God has revealed Himself and His truth in the created order, in the Scriptures, and supremely in Jesus Christ; and that the Scriptures of the Old and New Testaments are verbally inspired by God and inerrant in the original writing, so that they are fully trustworthy and of supreme and final authority in all they say.

• WE BELIEVE that Jesus Christ was conceived by the Holy Spirit, born of the Virgin Mary, was true God and true man, existing in one person and without sin; and we believe in the resurrection of the crucified body of our Lord, in His ascension into heaven, and in His present life there for us as Lord of all, High Priest, and Advocate.

• WE BELIEVE that God directly created Adam and Eve, the historical parents of the entire human race; and that they were created in His own image, distinct from all other living creatures, and in a state of original righteousness.

• WE BELIEVE that our first parents sinned by rebelling against God’s revealed will and thereby incurred both physical and spiritual death, and that as a result all human beings are born with a sinful nature that leads them to sin in thought, word, and deed.

• WE BELIEVE in the existence of Satan, sin, and evil powers, and that all these have been defeated by God in the cross of Christ.

• WE BELIEVE that the Lord Jesus Christ died for our sins, according to the Scriptures, as a representative and substitutionary sacrifice, triumphing over all evil; and that all who believe in Him are justified by His shed blood and forgiven of all their sins.

• WE BELIEVE that all who receive the Lord Jesus Christ by faith are born again of the Holy Spirit and thereby become children of God and are enabled to offer spiritual worship acceptable to God.

• WE BELIEVE that the Holy Spirit indwells and gives life to believers, enables them to understand the Scriptures, empowers them for godly living, and equips them for service and witness.

• WE BELIEVE that the one, holy, universal Church is the body of Christ and is composed of the communities of Christ’s people. The task of Christ’s people in this world is to be God’s redeemed community, embodying His love by worshipping God with confession, prayer, and praise; by proclaiming the gospel of God’s redemptive love through our Lord Jesus Christ to the ends of the earth by word and deed; by caring for all of God’s creation and actively seeking the good of everyone, especially the poor and needy.

• WE BELIEVE in the blessed hope that Jesus Christ will soon return to this earth, personally, visibly, and unexpectedly, in power and great glory, to gather His elect, to raise the dead, to judge the nations, and to bring his Kingdom to fulfillment.

• WE BELIEVE in the bodily resurrection of the just and unjust, the everlasting punishment of the lost, and the everlasting blessedness of the saved.

Community Covenant

https://www.wheaton.edu/about-wheaton/community-covenant

Preface

Wheaton College is an institution of higher learning, a rigorous academic community that takes seriously the life of the mind. But this description does not exhaust the College’s understanding of itself. Wheaton College is also a largely residential community made up of Christians who, according to the College motto, are dedicated to the service of “Christ and His Kingdom.”

These features in combination mean that Wheaton College is a complex Christian community of living, learning, and serving that cannot be reduced to a simple model. For example, while the College is not a church, it is yet a community of Christians who seek to live according to biblical standards laid down by Jesus Christ for his body, the church. Or again, while the College is not a religious order, it yet demonstrates some features that are similar to religious orders, communities wherein, for the sake of fulfilling the community’s purposes, its members voluntarily enter into a social compact. At Wheaton we call this social compact our community covenant.

For Wheaton’s community covenant to serve its stated purpose, it is crucial that each member of the College family understand it clearly
The purposes of this community covenant are as follows:

• to cultivate a campus atmosphere that encourages spiritual, moral, and intellectual growth.
• to integrate our lives around Christian principles and devotion to Jesus Christ.
• to remove whatever may hinder us from our calling as a Christ-centered academic community.
• to encourage one another to see that living for Christ involves dependence on God’s Spirit and obedience to his Word, rather than a passive acceptance of prevailing practices.

Affirming Biblical Standards

We desire to build this covenant on basic biblical standards for godly Christian character and behavior. We understand that our calling includes the following:

• The call to acknowledge the Lordship of Christ over all of life and thought. This involves a wholehearted obedience to Jesus and careful stewardship in all dimensions of life: our time, our possessions, our God-given capacities, our opportunities (Deut. 6:5-6; 1 Cor. 10:31; Col. 1:18; 3:17);
• The call to love God with our whole being, including our minds, and to love our neighbor as ourselves. Christlike love should be the motive in all decisions, actions, and relationships (Matt. 22:37-40; Rom. 13:8-10; 1 John 4:7-12);
• The call to pursue holiness in every aspect of our thought and behavior (2 Cor. 7:1; 1 Thess. 4:7; Heb. 12:14; 1 Pet. 1:15-16);
• The call to exercise our Christian freedom responsibly within the framework of God’s Word, humbly submitting ourselves to one another (1 Pet. 5:5; Eph. 5:21) with loving regard for the needs of others (Phil. 2:3-11; Rom. 14:1-23; 1 Thess. 4:9);
• The call to treat our own bodies, and those of others, with the honor due the very temple of the Holy Spirit (1 Cor. 6:17-20);
• The call to participate in the worship and activities of the local church, which forms the basic biblically mandated context for Christian living (Acts 2:42-47; Heb. 10:25; 1 Tim. 3:14-15).

Living the Christian Life

We believe these biblical standards will show themselves in a distinctly Christian way of life, an approach to living we expect of ourselves and of one another. This lifestyle involves practicing those attitudes and actions the Bible portrays as virtues and avoiding those the Bible portrays as sinful.

According to the Scriptures, followers of Jesus Christ will:

• show evidence of the Holy Spirit who lives within them, such as “love, joy, peace, patience, kindness, goodness, faithfulness, gentleness, and self-control” (Gal. 5:22);
• “put on” compassion, kindness, humility, gentleness, patience, forgiveness, and supremely, love (Col. 3:12-14);
• seek righteousness, mercy and justice, particularly for the helpless and oppressed (Prov. 21:3; 31:8-9; Micah 6:8; Matt. 23:23; Gal. 6:10);
• love and side with what is good in God’s eyes, and abhor what is evil in God’s eyes (Amos 5:15; Rom. 12:9, 16:19);
• uphold the God-given worth of human beings, from conception to death, as the unique image-bearers of God (Gen. 1:27; Psalm 8:3-8; 139:13-16);
• pursue unity and embrace ethnic diversity as part of God’s design for humanity and practice racial reconciliation as one of his redemptive purposes in Christ (Isa. 56:6-7; John 17:20-23; Acts 17:26; Eph. 2:11-18; Col. 3:11; Rev. 7:9-11);
• uphold chastity among the unmarried (1 Cor. 6:18) and the sanctity of marriage between a man and woman (Heb. 13:4);
• be people of integrity whose word can be fully trusted (Psalm 15:4; Matt. 5:33-37);
• give faithful witness to the Gospel (Acts 1:8; 1 Pet. 3:15), practice good works toward all (Gal. 6:10; Eph. 2:10; Heb. 10:24; 1 Pet. 2:11), and live lives of prayer and thanksgiving (1 Thess. 5:17-18; James 5:16; Titus 2:8).

By contrast, Scripture condemns the following:

• pride, dishonesty (such as stealing and lying, of which plagiarism is one form), injustice, prejudice, immodesty in dress or behavior, slander, gossip, vulgar or obscene language, blasphemy, greed and materialism (which may manifest themselves in gambling), covetousness, the taking of innocent life, and illegal activities (Prov. 16:18; 1 Cor. 6:10; Exod. 20:7; Rom. 13:9; Col. 3:8-9; James 2:1-13; Gal. 3:26-29; Rom. 13:13-2; 1 Tim. 2:8-10; Heb. 13:5-6);
• hypocrisy, self-righteousness, and legalism, understood as the imposition of extra-biblical standards of godliness by one person or group upon another (Acts 15:5-11; Matt. 16:6; 23:13-36);
• sinful attitudes and behaviors such as “impurity and debauchery; idolatry and witchcraft; hatred, discord, jealousy, fits of rage, selfish ambition, dissensions, factions and envy; drunkenness, orgies, and the like” (Gal. 5:19-21);
• sexual immorality, such as the use of pornography (Matt. 5:27-28), pre-marital sex, adultery, homosexual behavior, and all other sexual relations outside the bounds of marriage between a man and woman (Rom. 1:21-27; 1 Cor. 6:9; Gen. 2:24; Eph. 5:31).
Exercising Responsible Freedom

Beyond these explicit biblical issues, the Wheaton College community seeks to foster the practice of responsible Christian freedom (Gal. 5:13-14; 1 Pet. 2:16-17). This requires a wise stewardship of mind, body, time, abilities, and resources on the part of every member of the community. Responsible freedom also requires thoughtful, biblically guided choices in matters of behavior, entertainment, interpersonal relationships, and observance of the Lord’s Day.

“You are not your own. You were bought at a price. Therefore honor God with your body” — 1 Corinthians 6:20

Of particular concern in a collegiate environment are those issues related to alcohol, illegal drugs, and tobacco. While the use of illegal drugs or the abuse of legal drugs is by definition illicit, and the use of tobacco in any form has been shown to be injurious to health, the situation regarding beverage alcohol is more complex. The Bible requires moderation in the use of alcohol, not abstinence. Yet the fact that alcohol is addictive to many, coupled with the biblical warnings against its dangers, also suggests the need for caution. The abuse of alcohol constitutes by far our society’s greatest substance abuse problem, not to mention the fact that many Christians avoid it as a matter of conscience. Thus, the question of alcohol consumption represents a prime opportunity for Christians to exercise their freedom responsibly, carefully, and in Christlike love.

The Wheaton College community also encourages responsible freedom in matters of entertainment, including the places where members of the College community may seek it, such as television, movies, video, theater, concerts, dances, and the internet. The College assumes its members will be guided in their entertainment choices by the godly wisdom of Philippians 4:8: “Whatever is true, whatever is noble, whatever is right, whatever is pure, whatever is lovely, whatever is admirable, if anything is excellent or praiseworthy, think about such things.”

Embracing College Standards

To foster the kind of campus atmosphere most conducive to becoming the Christian community of living, learning, and serving that Wheaton College aspires to be, the College has adopted the following institutional standards. These standards embody such foundational principles as self-control, avoidance of harmful practices, the responsible use of freedom, sensitivity to the heritage and practices of other Christians, and honoring the name of Jesus Christ in all we do.

- Wheaton College and all Wheaton College-related functions will be alcohol-free and tobacco-free. This means that the possession or consumption of alcohol or the use of tobacco in any form will be prohibited in, on, or around all campus properties, owned or leased. The same prohibition applies to all Wheaton College vehicles, whether on or off campus, and to all Wheaton College events or programs, wherever they may be held.
  - While enrolled in Wheaton College, undergraduate members of the community will refrain from the consumption of alcohol or the use of tobacco in all settings.
  - Other adult members of the College community will use careful and loving discretion in any use of alcohol. They will avoid the serving or consumption of alcohol in any situation in which undergraduate members of the Wheaton College family are or are likely to be present.
  - On-campus dances will take place only with official College sponsorship. All members of the Wheaton College community will take care to avoid any entertainment or behavior, on or off campus, which may be immodest, sinfully erotic, or harmfully violent (Eph. 4:1-2, 17-24; 1 Tim. 5:2; Gal. 5:22-23).

Conclusion

We the Wheaton College community, desire to be a covenant community of Christians marked by integrity, responsible freedom, and dynamic, Christlike love, a place where the name of Jesus Christ is honored in all we do. This requires that each of us keeps his or her word by taking the commitment to this covenant seriously as covenant keepers, whatever pressures we may face to do otherwise.

The issue of keeping one’s word is for a Christian an important one. Being faithful to one’s word is a matter of simple integrity and godliness. “Lord, who may live on your holy hill?” asks the Psalmist. “He who keeps his oath, even when it hurts” (15:4), comes the reply. Christian integrity dictates that if we have voluntarily placed ourselves under Wheaton’s community covenant, we must make every effort to fulfill our commitment by living accordingly.

Keeping our covenant may also on occasion require that we take steps to hold one another accountable, confronting one another in love as we work together to live in faithfulness both to God’s Word and to our own word. Such loving acts of confrontation are at times difficult, but when performed in the right spirit (Gal. 6:1), they serve to build godly character for both the individuals involved and the community as a whole (Matt. 18:15-17). Only in this way, as we are willing to speak the truth in love, will we “grow up into him who is the Head, that is, Christ” (Eph. 4:15).

Let the word of Christ dwell in you richly as you teach and admonish one another with all wisdom… And whatever you do, whether in word or deed, do it all in the name of the Lord Jesus, giving thanks to God the Father through Him. — Colossians 3:16-17

(Scripture quotations taken from the New International Version)

Heritage

Wheaton College - History

https://www.wheaton.edu/about-wheaton/why-wheaton/history/

The forerunner of Wheaton College was Illinois Institute, a preparatory school established in 1852 on the present campus site by the Wesleyan Methodists. Assets were transferred to a new board of trustees who appointed educator and abolitionist Jonathan Blanchard to begin a new Christian liberal arts college, which opened on January 9, 1860. The school was renamed Wheaton College in recognition of a gift of land from Warren L. Wheaton, a pioneer of the city, Blanchard, a spokesman for Christian higher education and a crusader for social reform, brought twelve years of administrative experience as head of Knox College to his position as first president of Wheaton.

Charles Albert Blanchard succeeded his father in 1882, serving 43 years until his death in 1925. He insisted on a distinctively Christian emphasis in the face of rising rationalism and modernism. James Oliver Buswell, Jr., served from 1926 to 1940, a period which saw significant growth in enrollment and assets. V. Raymond Edman, president from 1940 to 1965, extended Wheaton’s influence worldwide as an educator, author, and traveler. He served as chancellor until his death in 1967.

Hudson T. Armerding served as the fifth president from 1965 to 1982. His administration was characterized by growth and a commitment to both academic excellence and continued fidelity to the historic truths of the Christian faith. During his tenure there emerged the emphasis on the integration of the Christian faith with learning. J. Richard Chase served as...
president from 1982 to 1993, overseeing a period of significant growth for the College in terms of endowment, renovation of historic buildings, and expansion of academic programs. During his tenure the College laid plans to guide Wheaton into the next century, and renewed its commitment to its essential biblical foundations.

Duane Litfin led the College as its seventh president from 1993 to 2010. His tenure saw the strengthening of Wheaton's identity, its faculty, library, and technological resources, as well as the construction or renovation of many College buildings for use in the twenty-first century, and the expansion of scholarships for students. Wheaton's excellent student body became more diverse, positioning Wheaton to maintain its leadership role in Christian higher education.

Philip Graham Ryken became Wheaton's eighth president in 2010, the College's Sesquicentennial Year. The third Wheaton president to graduate from the College, Dr. Ryken previously served as Senior Minister of Philadelphia's historic Tenth Presbyterian Church and as a Wheaton College Trustee from October 2006.

President Ryken's commitment to strengthen Wheaton's focus as a teaching and mentoring institution while encouraging Christian scholarship has been informed by a lifetime of learning and a love for the liberal arts. With his Senior Administrative Cabinet and Wheaton's academic deans, in the first years of his presidency he led the campus to focus attention and resources on four Strategic Priorities to strengthen Wheaton's mission:

• Globalize a Wheaton Education,
• Deepen Ethnic Diversity,
• Promote Liberal Arts Excellence
• Enhance Music and the Performing Arts

In support of these priorities, the College successfully completed the From the Heart, For the Kingdom capital campaign, exceeding the $175M campaign goal, with total gifts and commitments of $187 million.

Beginning in the fall semester of 2016, the new “Christ at the Core” curriculum included a First Year Seminar for Freshmen, an Advanced Integrative Seminar in faith and learning, broad course offerings in the Christian liberal arts and sciences, and a senior capstone for graduates to reflect on their liberal arts experience and prepare for kingdom service after graduating from Wheaton.

The College continues to deepen ethnic diversity by seeking creative ways to celebrate cultural differences and pursue racial unity. During the 2018-2019 school year, the College welcomed a cabinet-level officer for promoting racial reconciliation and advancing intercultural understanding. Also, the inaugural new Chief Enrollment Management Officer was hired to help Wheaton recruit a diverse, talented, world-class student body.

Wheaton advanced its strategic priority to enhance music and the fine arts by completely reconstructing an older building originally erected to house the sciences. The first phase of the Ammering Center for Music and the Arts was dedicated in November 2017. In 2019 the College broke ground on phase two: a 648-seat concert hall with an atrium entrance and choral rehearsal room.

Task forces met throughout the 2018-2019 school year to begin implementing the following strategic priorities, as approved by the Wheaton College Board of Trustees in May 2018:

• Seek major new funding for endowed and other scholarships that provide targeted need and merit-based grants for world-changing leaders, enabling Wheaton to continue fulfilling its calling as a premier Christian liberal arts college and graduate school by investing new resources in recruiting and matriculating an exceptional, diverse student body.
• Implement a campus-wide framework for Christian formation that will inspire students, faculty, and staff to grow biblically, spiritually, and theologically in faith, hope, and love as gracious virtues that are integral to a Christ-centered liberal arts education and vital for evangelical witness in a pluralistic world.
• Start a teaching and learning collaborative that centralizes tutoring and other resources for writing, math, research, testing, and other subjects that promote academic success—including for students from diverse backgrounds or with varied learning needs—while supporting faculty growth in Christ-focused, theologically-informed, pedagogically-sound, innovative teaching and mentoring.
• Offer every student life-shaping internships and other learning experiences that are holistic and immersive—including opportunities to earn credit and to work or serve in cross-cultural contexts—with structured opportunities to reflect on life calling and Christian witness with trusted mentors.
• Grow a global Graduate School that expands Wheaton's kingdom impact in church and society by launching a new catalyst fund for starting innovative programs and strengthening international partnerships, including flexible degree programs.
• Establish Buswell Library as the academic heart of Wheaton’s campus by constructing a spiritually and intellectually spacious center for student learning and faculty development and implementation in the coming years, adding space for a growing book collection and emerging information technologies, and possibly bringing all of Buswell’s special collections under a single roof.

Status and Accreditation

A residential, coeducational, Christian liberal arts college, Wheaton is owned and operated by a self-perpetuating board incorporated in the state of Illinois as "The Trustees of Wheaton College.”

Nondenominational in constituency, the student body of more than 2,400 undergraduates and 500 graduate students annually represents all of the 50 states, some 50 countries, and more than 50 church denominations. Approximately seventy-five percent of undergraduate students come from outside Illinois.

The Wheaton faculty of approximately 220 full-time members, about 95 percent with earned doctorates, comes from a variety of colleges and universities both in the United States and abroad. As active Christians, they are personally interested in the spiritual and intellectual development of their students.

Wheaton offers undergraduate programs leading to the Bachelor of Arts, Bachelor of Science, Bachelor of Music, and Bachelor of Music Education degrees. Graduate degree programs are offered leading to Master of Arts, Doctor of Philosophy (Ph.D.), and Doctor of Psychology (Psy.D.).

The College is accredited by the:
Higher Learning Commission
230 S. LaSalle St., Suite 7-500
Chicago, IL 60604
phone 800.621.7440
Wheaton's education program is accredited by the Council for Accreditation of Educator Preparation (CAEP), formerly NCATE, 1140 19th St NW, Suite 400 Washington, DC 20036 phone 202.223.0077

The Doctor of Psychology program is accredited by the Committee on Accreditation of the American Psychological Association (APA)
750 First Street, NE Washington, DC, 20002 phone 202.336.5979

The Clinical Mental Health Counseling (M.A.) is accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP)
1001 North Fairfax St, Suite 510 Alexandria, VA 22314 phone 703.535.5990

The Marriage and Family Therapy program is accredited by the Commission on Accreditation for Marriage and Family Therapy Education (COAMFTE)
112 South Alfred St Alexandria, VA 22314-3061 phone 703.838.9808

Wheaton College is also a member of the National Association of Schools of Music (NASM)
11250 Roger Bacon Drive, Suite 21 Reston, VA 20190 phone 703.437.0700

Printed financial statements are available to the public and may be obtained from the Director of Accounting, Wheaton College, 501 College Avenue, Wheaton, IL 60187. Financial statements also are available on the College's Web site at https://www.wheaton.edu/about-wheaton/disclosures/financial-audit-information/

Facilities
The Welcome Center is the first stop for anyone visiting campus. Built in 2017, it houses the Undergraduate Admissions department with gracious, welcoming spaces for all campus guests.

The Welcome Center, completed in 2017, is a fitting addition to the Historic Georgian Campus. The timeless classical Georgian design elements of this building exemplify the history and enduring character of Wheaton College and its ongoing mission. It is situated on the front lawn of the campus as the gateway to experience the campus with views to the Billy Graham Center, McCully Stadium and historic Blanchard Hall, as well as being next door to the Beamer Student Center, the hub of the campus.

The building consists of three smaller sections, each with its own specific purpose, connected by a horizontal axis hallway. The first section houses the Great Hall, which serves the campus as a gathering destination for new students and all guests. The second section has semi-private spaces with a large presentation room for guests and the conference room for meetings. The third easternmost section contains the Admissions Department and Counselors offices.

Blanchard Hall, Wheaton's "Old Main," is a four-story structure of native Batavia limestone distinguished by its tower, the center of campus traditions and named in honor of Wheaton's first two presidents, Jonathan and Charles Blanchard. For more than 40 years Blanchard Hall was the only building on campus and housed the entirety of Wheaton College: classrooms, chapel, cafeteria, library and sleeping quarters. Today it houses administrative offices, faculty offices, and classrooms. It was built over a period of 74 years in seven additions in the Romanesque style of buildings Blanchard saw at Oxford University. This historic building was totally renovated in 1990 to maintain the iconic, trademark exterior appearance with an updated traditional interior style. In 1979 Blanchard Hall was added to the National Register of Historical Places. The lobby of Blanchard Houses a historic marker that designates the campus as a stop on the Civil War's Underground Railroad. The obelisk, originally a grave marker for abolitionist James Burr, was placed in Blanchard Hall after Wheaton was added to the National Park Service "Network of Freedom", in 2014.

The Meyer Science Center, built in 2010, is a blend of traditional Wheaton architectural materials and shapes with some contemporary elements of glass and metal in a theme of transparency to energize the science community. This L-shaped building creates a new quad courtyard adjacent to the Beamer Student Center. There are 10 science disciplines housed in these new facilities with an emphasis on first rate research labs for collaborative learning and mentoring. The lobby is a threshold of science, displaying a vertical exhibit space and central stair that climbs from geology to physics and their rooftop observatory; from "the rocks to the stars" with Perry mastodon as the center piece of the exhibits. The building is LEED Gold certified for New Construction.

The Memorial Student Center is a three story Georgian styled building built in 1951 in honor of 39 Wheaton men who died during World War II. The student center was well known for housing the Stupe and Campus Post Office until 2004 when the new Todd M. Beamer Student Center was built. The historic building was renovated in 2007 to house the Politics and International Relations and the Business and Economics departments as well as the Wheaton College Center for Faith, Politics & Economics. The renovation in 2007 earned the building LEED Silver status.

Location
Wheaton's 80-acre campus is located in a residential suburb with a population over 50,000, 25 miles west of Chicago.

The educational and cultural features of the Chicago metropolitan area are readily available to students. The performing arts, large museums, libraries, other educational institutions, and government activities are among the opportunities for observation and research. In science, Argonne National Laboratory in Argonne, the Fermi National Accelerator Laboratory in Batavia, and Morton Arboretum in Lisle are among facilities close to Wheaton.

Other college-owned campuses include the 50-acre Black Hills Science Station near Rapid City, South Dakota, for field studies in geology, environmental science, and biology; and HoneyRock, a youth counseling and leadership development laboratory in northern Wisconsin.

Overseas programs are scheduled during the summer in England, Latin America, Europe, the Far East, and Middle East for studies in the social sciences, languages, literature, music, archaeology, and Bible.
Buswell Memorial Library was built in 1975 and remodeled in 2006. The library provides access to approximately 500,000 physical materials and to a very large array of electronic materials. Various types of study areas are located throughout the building for individuals and groups. Special Collections, a department of Buswell Library, is located on the third floor of The Billy Graham Center.

Edman Memorial Chapel, with seating capacity of 2,400, was built in 1960 in the Georgian style and is the center for chapel services, concerts, and other cultural events. A 70-rank Casavant tracker pipe organ was installed in 2001. Also included are classrooms, lounge facilities, the Wurdack Chapel seating 100, the 2009 John and Anita Nelson Instrumental Rehearsal Room, as well as numerous studios, practice rooms, and rehearsal rooms.

Orlinda Childs Pierce Memorial Chapel was built in 1924 in the Federal style and has a 500-seat recital hall with a two-manual Hendrickson tracker pipe organ installed in 2012, classrooms, practice facilities for the Conservatory of Music, and also houses the Wheaton College Community School of the Arts, serving more than 1400 students.

Ammerding Hall, originally constructed as the Science Building in 1971, was recently transformed to the Center for Music and the Arts as part of a phased renovation and addition project. The architectural style resonates with the existing campus while also bringing a fresh distinctiveness that celebrates the contributions of the arts to campus life. The existing building was totally transformed to provide a world-class acoustical learning and performing environment for the musicians who will use it. Included are 37 practice rooms, over 30 faculty and staff spaces, a new 108-seat Recital Hall, 2 recording studios, and 6 classroom spaces. Beyond providing an excellent environment for the teaching, practice, performance and enjoyment of music, the Conservatory’s new home also serves as a critical link between an existing quadrangle at the heart of the campus and newer developments along its northern edge. The next phase, currently under construction, will house a 648-seat Concert Hall, a new tracker-action 31-stop concert pipe organ situated above the stage, a choral rehearsal room, and other support spaces, joined together by a gracious lobby to welcome all guests and provide a gathering space for all students.

North Harrison Hall, the former Wheaton Christian Grammar School built between 1950 and 1974, has been renovated in 2016 to house Student Health Services, the Counseling Center and the athletic teams of Wrestling and Golf.

The Student Services Building, built in 1952 and added to in 1964, houses the campus bookstore and the offices of Undergraduate Admissions, Student Financial Services, Housing, Student Development, Registrar, Center for Vocation and Career, and the Ticket/Information Office.

The Chrouser Sports Complex was built in 2000 and houses King Arena (basketball and volleyball performance arena), Lederhouse Natatorium (a 35 meter swimming pool), and Eckert Recreation Center (an 8,000 square foot fitness area), a walking/jogging track, a one-court wooden floor practice gym, and a two-court synthetic rubber recreational gym with a climbing wall. This facility also includes faculty offices and an open leisure area where students, faculty, and staff can relax before or after a workout.

The Todd M. Beamer Student Center, dedicated in the Fall of 2004, is home to Anderson Commons, Sam’s Coffee Shop, the Stupe Grill, College Post Office, Coray Alumni Gymnasium, and the offices of numerous student organizations as well as Chaplain, Christian Outreach, Multicultural Development, International Student Programs and Student Activities. Anderson Commons is a modern dining facility seating 900 for student dining and up to 150 for staff/faculty dining; it also offers other private dining areas for special meetings. Sam’s is the campus snack bar and coffee shop and provides an alternative dining area for the campus community. Coray Alumni Gymnasium provides a performance stage and seating for up to 1,000 for student events and other associated campus events.

Schell Hall was built in 1898 in a classical style as one of our first group of buildings that for many years housed the Wheaton Academy and now contains classrooms and general administrative offices.

Adams Hall, originally built in 1899 and remodeled and expanded in 2009, provides classrooms, studios, three galleries, two computer labs, and administrative space for the Art Department. This building served as Wheaton’s gymnasium for many years and is now listed in the National Register of Historical Places.

Jenks Hall, built in 1894, houses classrooms, Military Science offices, Computing Services offices and facilities for the Communication Department’s Arena Theater program with a 150-seat black box theater.

The Billy Graham Center was built by the Billy Graham Evangelistic Association and dedicated in 1980 to promote world evangelism. In addition to the programs of the Billy Graham Center Division, the facility houses several undergraduate departments, the Graduate School, Buswell Library’s department of Special Collections, the College Advancement offices, Marketing Communications, and Academic and Institutional Technology. Barrows Auditorium, a 470-seat venue, is used for conferences, recitals, lectures, and other events. The Billy Graham Center Museum attracts over 24,000 visitors each year and hosts several temporary exhibits alongside their permanent exhibits on the history of North American Protestant evangelism and the ministry of alumnus, Dr. Billy Graham.

Billy Graham Center
https://www.wheaton.edu/BGC

Billy Graham Center (BGC) exists to lead the conversation on evangelism by training, resourcing, and mobilizing followers of Jesus to share their faith; networking leaders; researching best practices; engaging thought leaders; and launching strategic ministry initiatives.

The Center opened in 1980 through the collaboration of Wheaton College and the Billy Graham Evangelistic Association. Rev. Billy Graham’s goal was to develop a center to fuel the evangelistic mission of the Church in the world. Wheaton College shared Mr. Graham’s vision and together they launched The Billy Graham Center.

BGC ministries play a vital role in Wheaton College’s mission to promote the development of whole and effective Christians by directing the Evangelism Initiative which encourages an evangelism lifestyle, mentoring students, and providing evangelism training for student ministry groups. The scope of the BGC’s evangelism training ministries extends beyond campus and into the global Church, as well.

The fusion of BGC staff and programs with the excellent scholarship and ministry intelligence of the Graduate School forms a strategic alliance for promoting global evangelization.

The Center for Applied Christian Ethics
http://www.christianethics.org
The Center for Applied Christian Ethics (CACE) supports the mission of Wheaton College by promoting and encouraging the formation of moral character and the application of biblical ethics to contemporary moral decisions.

The Center functions primarily to support and strengthen the applied ethical dimension of the Wheaton curriculum. In addition, it extends Wheaton's educational and research resources of applied Christian living to alumni and to local communities. Thus, CACE serves as a bridge between the College and community, seeking a mutually enriching engagement between a Christian education and the moral practices of everyday life.

Through campus programs and training seminars, CACE relates theory to practice by addressing contemporary issues in the light of biblical principles, theological and philosophical ethics, and character and moral development theory. CACE sponsors co-curricular events focused on an annual theme of practical significance and promotes interdisciplinary discussions to cultivate moral insight and ethical reasoning. Guest lectures, campus forums, public debates, and the Christian Moral Formation Lectureship each fall, will prepare students to think more deeply and ethically about the interrelationship of these topics. CACE also sponsors an annual faculty summer workshop to assist in curriculum development on the annual theme.

The Center publishes a monthly electronic journal that highlights the major ethical challenges of our day and faculty research on contemporary moral issues, along with lectures and many other free resources on a variety of ethical topics.

**Buswell Memorial Library**
https://library.wheaton.edu/

Buswell Memorial Library, named for J. Oliver Buswell, Jr., third president of the College, provides essential support for the College's programs of instruction and offers a quiet, comfortable study center for the campus community.

Collections include a large selection of printed and online books and periodicals, databases, video and sound recordings, maps, scores, and educational curriculum materials. Materials not owned by the library may be borrowed through local consortial arrangements or through the library's participation in an international interlibrary loan network. In addition, Wheaton students may borrow materials directly at several dozen colleges and universities in Chicago and the surrounding area, upon presentation of their College ID card.

The library offers several types of study areas to meet student needs or inclinations: traditional study carrels, larger tables, reading areas, and group study rooms equipped with technology. Students are able to draw upon print and electronic resources together at computer workstations throughout the library. Students may also bring personal laptop computers into the library and connect them to the campus network using ports provided throughout the building, or by using wireless connection.

Students identify suitable resources for their assignments by using the online catalog and the many print and online indexes to periodical literature that the library provides. Online materials are available to students on any computer connected to the campus network or by proxy server off campus. Instruction in library research methods is provided in the Christ at the Core general education program or may be arranged individually with a librarian. The information desk is staffed with professional librarians 70 hours a week.

Each year the library acquires new resources in subjects studied at the College. Library faculty work closely with the academic departments to ensure that the collection grows in focused ways to meet student and faculty needs. The growth of the College's advanced degree programs has intensified collection development over the last several years. Generous support from friends of the College is enabling Buswell Library to increase substantially the depth and quality of its holdings particularly in the fields of biblical and theological studies.

In addition to its main collections, Buswell Library provides extensive resources in support of the Conservatory of Music: recordings, scores, and music reference books and periodicals. There are listening stations and a conducting practice room available.

The library is especially proud of its special collections, which include the Evangelism and Missions Collection; the personal papers of writers Madeleine L'Engle, Frederick Buechner, Malcolm Muggeridge, and many others; the institutional papers of evangelical societies; materials from the College's history; rare book collections; and the E. Beatrice Batson Shakespeare Collection. In addition to supporting focused research, professors regularly draw upon these special collections for undergraduate course enrichment.

**The Marion E. Wade Center**
https://www.wheaton.edu/wadecenter

The Marion E. Wade Center promotes cultural engagement and spiritual formation by offering a collection of resources available nowhere else in the world. We emphasize the ongoing relevance of seven British Christian authors who provide a distinctive blend of intellect, imagination, and faith: C.S. Lewis, J.R.R. Tolkien, Dorothy L. Sayers, George MacDonald, G.K Chesterton, Owen Barfield, and Charles Williams. The Wade Center implements these goals by:

- Assisting scholars in their study of unique materials by and about these seven authors in order to generate new understandings;
- Sharing insights with a broader audience through our numerous programs and publications;
- Supporting artistic works inspired by our authors;
- Welcoming visitors to our museum.

Housed in its own building on the northwest edge of campus, the Center has more than 18,400 books including first editions and critical works, and more than 2,400 volumes from C.S. Lewis' personal library. Other holdings include letters, manuscripts, audio-visual media, artwork, dissertations, periodicals, photographs, and related materials. Any of these resources may be studied in the quiet surroundings of the Kilby Reading Room.

In addition, the Wade Center museum showcases C.S. Lewis' wardrobe and writing desk, J.R.R. Tolkien's desk and writing pen, Pauline Baynes' original map of Narnia, and a tapestry from Dorothy L. Sayers' home. The Wade Center offers regular book discussion groups and lectures; current information on these programs can be found on the Wade Center website. Additionally, the Wade Center Podcast (wheaton.edu/listen) features discussions related to our seven authors.

An international study center, the Wade Center was established in 1965 by Dr. Clyde S. Kilby, and later named after Marion E. Wade, founder of The ServiceMaster Company, L.P. The Wade Center hosts a number of...
As a result of gifts from donors, foundations, and government agencies, the scientists utilize excellent technology and equipment to conduct scientific exploration.

Each of the natural science departments has teaching laboratories for general and advanced work, as well as research laboratories for each faculty member. Each department has specialized facilities and modern equipment, including:

**Laboratories**

The natural sciences and mathematics at Wheaton College are housed in the Meyer Science Center on the Wheaton College campus. Six academic departments, offering ten majors, and the Pre-Health Professions office are all located in one facility housing state-of-the-art laboratories, classrooms, and offices. Thirty-five well credentialed faculty are engaged collaboratively in research with students, and are excellent teachers of science and mathematics. The frontiers of natural science and mathematics are explored by students and faculty in superb teaching spaces outfitted with the latest smart classroom technology, and the laboratories are equipped with outstanding equipment with which students and faculty expand the frontiers in their traditional disciplines. As a result of gifts from donors, foundations, and government agencies, the students utilize excellent technology and equipment to conduct scientific exploration.

Each of the natural science departments has teaching laboratories for general and advanced work, as well as research laboratories for each faculty member. Each department has specialized facilities and modern equipment, including:

**Applied Health Science:** State-of-the-art cadaver anatomy lab, a treadmill, a cycle ergometer, a metabolic cart, a BODPOD instrument, BioPac systems, a 12-lead electrocardiogram recorder, a KinCom device, a force plate and software, a cholestech instrument, HbA1c analysis, prothrombin time analysis, urine analysis instruments.

**Biology:** Greenhouse, controlled environment chambers, incubators for microorganisms and tissue culture, deep freezers, animal quarters, BioPac systems, refrigerated centrifuges and ultracentrifuges, PCR thermal cyclers, Real-Time-PCR system, ektaphoretic gel imaging system, microplate readers, a DNA sequencer, biological safety cabinets, laminar flow hoods, research microscopes with film and video cameras, dissecting microscopes with video cameras, inverted microscopes, an immunofluorescence microscope.

**Chemistry:** Infrared and VIS-UV scanning spectrophotometers, diode array spectrometers, a spectrophotometer, two atomic absorption spectrophotometers, an ellipsometer, a 300MHz FT-NMR spectrometer, FTIR spectrometers, a MALDI-TOF mass spectrometer, an x-ray diffractometer, gas chromatographs, a titanium-sapphire pulsed laser, a five-watt argon ion laser, an Immersion cooler, two scanning confocal microscopes, an optical trapping apparatus, a CO2 laser micro pipette puller, three pneumatic micro injectors, a graphite furnace atomic absorption spectrometer, an Ar-ion laser (5 mW), vibration isolation optical benches (2), single molecule fluorescence detection facilities, an ion channel electrophysiology apparatus, an intensified CCD camera, a power E-chem suite, a capillary electrophoresis apparatus, high performance liquid chromatographs, an atomic force microscope.

**Geology and Environmental Science:** Binocular petrographic microscopes, monocular petrographic microscopes, digital camera for microscopy, cathodoluminescence petrographic stage, rock cutting saws and polishers, Raman spectrometer, Rigaku Miniflex X-ray diffractometer, multi-wavelength scintillometer-Gamma-ray spectrometer. Donath rock deformation apparatus, 12-channel Exploration seismograph, telesismic seismograph, digital storage oscilloscope, proton magnetometer, groundwater resistivity instruments, GIS computer lab for instruction and research (20 workstations), ESRI software for Advanced GIS, Trimble and Magellan Research GPS units for GIS, Student GPS units for field mapping and orienteering, large format, color HP inkjet printer, photogrammetric stereoscopes, Alidade, sedimentation flume, EmRiver stream table, groundwater (sandbox) models, sediment sieves and vibration sieve shaker, mud rotary drill rig (LS-100), Vibracore rig, stream flow-meters.

**Physics:** A newly opened engineering design lab with 3D printers, CNC mill and router, and a wide assortment of hand tools; an observatory dome with a 24” reflecting telescope, several 8-14” “go to” telescopes, high speed video cameras, campus MATLAB license, Brewster's Angle apparatus, Reuben's flame tube, precision spectrometer, low friction air table, TeachSpin magnetic moment experiment, Van de Graf generator, Tesla coil, National Instruments ELVIS (educational laboratory virtual instrumentation suite), Michelson interferometer, open cavity He-Ne laser, WIRX (Wheaton Impulsive Reconnection Experiment) plasma vessel, intensified CCD cameras, high vacuum equipment, twelve Vernier educational suites (Lab Pro, motion detector, magnetic field sensor, rotational apparatus, sound level meter, current/voltage probe, force plate, 3-axis accelerometer, force sensor, light sensor, temperature probe, photogate, rotary motion sensor, digital radiation monitor).

**Academic and Institutional Technology**

https://www.wheaton.edu/AIT

Academic and Institutional Technology (AIT) enables the College’s teaching, learning and research, its business functions, and its students’ residential experience through leadership and support of appropriate information technology solutions and services.

Major systems include a high-speed wired network connecting offices, labs, classrooms, and student residences; a wireless network providing service throughout the campus with more than 600 access points; a two gigabit per second Internet connection with connectivity to Internet2,
installed audio-visual and presentation systems in classrooms and auditoriums, academic and administrative computing servers, and a cable television distribution system. Services include facilitation of a web-based learning management system, development and management of enterprise applications utilized across all divisions, networked printing from computers and mobile devices, a range of audio-visual event support and media production services, a lending collection of computers, projectors, sound systems and other portable equipment, and support for computer hardware, software, telephone, printer, network, and account permissions. The department’s facilities include 34 academic computing labs located in major academic buildings and residence halls, music production and recording studios, and a video production studio.

AIT provides support for 350+ applications utilized in labs, classrooms, and on College-owned computers. AIT also supports approximately 2,400 college-owned Windows & Apple laptops, desktops, and tablets, over 1,200 Voice over Internet Protocol (VoIP) phones and 380 local and network printers. Each year accounts and permissions are prepared for incoming students, and throughout the year accounts and permissions are adjusted as needed for faculty, students, staff, and alumni. Email accounts are kept by students post graduation. Alumni retain access to their student records.

AIT provides technical support to all faculty, students, and staff in the areas of network access, printing, anti-virus, enterprise software (Schoology, Banner, Email, etc.), VoIP telephones, and account permissions. On personally-owned computers, AIT provides network support and virus removal. For College-owned computers, AIT provides support for all approved software and hardware. For guests of the College, including speakers and prospective students, AIT provides access to a guest wireless network.

Behind the scenes, AIT provides enterprise application, infrastructure, and security support, and management for all network and enterprise applications utilized by the college. This management allows for Internet and network access as well as management of all College data.

The department also provides audiovisual services during concerts, chapel services, and other Wheaton College events. Recordings of select events are available on the Wheaton College YouTube Channel. https://www.youtube.com/user/wheatoncollege

Visit https://www.wheaton.edu/AIT for more information and resources. Email AIT.Service.Desk@wheaton.edu, call 630.752.4357 (HELP), or visit in person at Blanchard 171 for personalized assistance.
UNDERGRADUATE

- Undergraduate Student Life (p. 18)
- Undergraduate Admissions (p. 25)
- Undergraduate Academic Policies and Information (p. 29)
- Arts and Sciences (p. 41)
- Conservatory of Music (p. 227)
- Special Programs (p. 253)
- Undergraduate Programs (p. 260)
Student Development

Student Development exists to support, challenge and influence students’ learning in a diverse Christ-centered community. Our vision is that students will grow in their Christian identity development through involvement, relationships, and care for self and others.

Student Development serves the campus through the efforts of five teams, Athletics, Residence Life, Student Engagement (International Student Programs, Office of Christian Outreach, Office of Multicultural Development, and Student Activities Office), Student Wellness (Counseling Center, Learning and Accessibility (LAS), Student Care Services, Student Health Services), and Title IX.

Student Handbook

The handbook is provided as a practical guide for Wheaton College students to live out their commitment to each other via the Community Covenant. If students agree to attend Wheaton College, it should be with the full intention of living with integrity within the vision of holy living articulated in the Community Covenant and the expectations articulated in the Student Handbook. By virtue of enrolling, students accept responsibility for the expectations described in the handbook. For follow-up questions or for help locating information in the handbook, please ask for assistance from the Student Development staff located in the Student Services Building, Suite 218. You may also email student.development@wheaton.edu or call 630-752-5022. The student handbook (https://www.wheaton.edu/life-at-wheaton/student-development-offices) is published on the college website.

Policies listed in the handbook are either authored by Student Development or are institutional policies for which Student Development has responsibility for communicating and/or enforcing. More information regarding academic policies (p. 29) or financial policies (p. 464) are outlined elsewhere in the catalog.

Students are expected to refrain from publicly (including on social media) advocating for beliefs and/or behaviors clearly prohibited in the Wheaton College Community Covenant (http://www.wheaton.edu/About-Wheaton/Community-Covenant) since students annually affirm its vision as a life giving aspect of their voluntary membership in the College community and because the Community Covenant forms the foundation of the Student Handbook’s expectations. The College reserves the right to meet with and/or act in response to behavior perceived as student advocacy in opposition to the Community Covenant.

If a student has a dissenting opinion regarding ways a college department and/or another member of the community could be serving the campus more effectively, she/he is encouraged to discuss the concern in person before publicly expressing such dissent. Students who find it challenging to live with integrity within the Community Covenant’s vision and/or the Student Handbook’s expectations are encouraged to talk with the Vice President for Student Development, Dr. Paul Chelsen, or with any staff member in the Student Development Division.

Publications

The Wheaton Record, the college newspaper; and Kodon, the literary magazine, are officially recognized as student publications. Staff positions for these publications are open to all students.

Athletics

https://www.wheaton.edu/athletics

Intercollegiate Sports

Wheaton College athletics exists to foster the development of faith, character, and leadership through competitive sports programs. Wheaton sponsors 21 NCAA Division III sports programs, and is a member of the College Conference of Illinois and Wisconsin (CCIW).

Intercollegiate competition for men includes basketball, baseball, cross-country, football, golf, indoor track, outdoor track, soccer, swimming, tennis, and wrestling.

Intercollegiate competition for women includes basketball, cross-country, golf, indoor track, outdoor track, soccer, softball, swimming, tennis, and volleyball.

Athletic facilities include: King Arena (basketball, volleyball and wrestling), Lederhouse Natatorium (swimming), Lawson Field (track & field), Leedy Field (softball), McCully Stadium (football and track), Joe Bean Stadium (soccer), Lee Pfund Stadium (baseball) and the multi-use Chrouser Sports Complex.

Athletics Insurance

Prior to participation in varsity athletics, students must have a sports physical on file and submit proof of primary insurance coverage. Students listed on official team rosters have access to the College’s secondary insurance policy for athletic injuries that occur during the official NCAA playing and practice season. Benefits apply to “on the field” practices and do not apply to other team activities. A $500 dollar deductible is applied to the secondary policy per injury. All treatments of athletic injuries must be coordinated through the athletic training office. Failure to report injuries or seek medical services without notifying the athletic training staff may result in a decrease or denial of benefits from the secondary policy. The maximum coverage of $90,000 per incident is subject to usual and customary rate and contract exclusions, up to 104 weeks from the date of injury.

Final Semester Student-Athletes and Part-time Enrollment

NCAA rules allow for student-athletes to be part-time in their final semester only if the institution can certify that they are taking all courses they need to graduate in that term. Student-athletes are strongly encouraged to take these courses at Wheaton to ensure certification for graduation.

See the student handbook (p. 18) for information on the intercollegiate athletics appeal process, summary of NCAA regulations (Division III) and other policies.

Club Sports

https://www.wheaton.edu/life-at-wheaton/athletics/club-sports/

Club sports are student-initiated, student-led and student-funded groups. Current teams include cheerleading, men’s and women’s crew, ice hockey, men’s and women’s lacrosse, men’s soccer, and tae kwn do. Club sports compete through organized club leagues. Teams have access to Wheaton College athletic facilities. To be eligible for Club Sport participation students must comply with all guidelines outlined in the Club Sport policy.
handbook, including having a physical and signing a waiver prior to any participation. Student leaders must maintain a 2.5 GPA to remain in leadership.

**Intramural Sports**

https://www.wheaton.edu/Athletics/Intramurals

Intramural sports offer a variety of recreational team activities to the College community. Sport offerings change every quad and range from traditional sports (basketball, soccer and volleyball) to competitive recreational sports (dodge ball, sand volleyball, and ultimate frisbee.) IM’s are offered Monday-Thursday during the afternoon and evenings hours. To be eligible for intramural participation students must comply with all guidelines outlined in the Intramural policy handbook, including signing a waiver prior to any participation.

**Chrouser Sports Complex**

https://www.wheaton.edu/life-at-wheaton/athletics/chrouser-sports-complex/

The Chrouser Sports Complex, home to the Wheaton Thunder, is available free of charge to all current students and employees, as well as to spouses and dependents. Facilities include a fitness center, pool, indoor track, gymnasiums, dance studio, and climbing wall. Chrouser facility hours are located at https://www.wheaton.edu/life-at-wheaton/athletics/chrouser-sports-complex/. Students must show current student I.D. when entering the building.

Athletic equipment (basketball, volleyball, indoor soccer, badminton, etc.) may be checked out at the Front Desk with current student I.D.

Group fitness classes are offered free of charge to students; offerings include Turbo Kick, yoga, and Zumba. Climbing instruction, belay certification and equipment is available, free of charge, to all students during Open Climb hours.

**Residence Life**

https://www.wheaton.edu/reslife

Wheaton College exists to educate the whole person. We believe this is best accomplished in an environment where students live in community on campus. This development occurs because of the Holy Spirit’s work in students’ lives through relationships with other people. A guiding and fundamentally important component of Christian student development is the touching of life-to-life. We believe it is necessary for students to be immersed in community living for key life-to-life encounters to be possible. In community, students give and receive, are shaped by and contribute to the shaping of campus life, and are challenged to integrate their classroom learning with their life experiences. As a condition of attending Wheaton College, Wheaton College undergraduate students are required to live on campus in college-owned residence halls, apartments, or houses. Limited amount of off-campus spaces are available only through the spring housing selection process. Exceptions to the off-campus policy are granted for married students, who live at home with their parent(s) or who live in a home owned by their parents, 3rd or 4th year engineering students, fifth year students, part-time students, and students participating in the Human Needs and Global Resources (HNGR) Program.

Student housing is administered through the Housing Services Office. College residence halls include McManis Hall and Evans Hall, with accommodations for 288 men and women, Williston Hall for 65 men and women, Fischer Hall for 601 men and women, Traber Hall for 240 men, and Smith Hall for 168 women. Upperclassmen may also apply to live in either one of 180 college apartments which house 2-5 students each or one of 23 houses that house 5-10 undergrad students each. A limited number of one-bedroom apartments are available for undergraduate married students, single/married international students and Colson Scholars. Family houses are available on a limited basis for both married international students with children and married Colson Scholars with children.

College housing opens in the fall to continuing students at 2 p.m. the Sunday prior to the first day of classes. New students move in based on the Orientation schedule. College housing closes to student residents at the end of fall and spring semesters, beginning 24 hours after the last scheduled exam. Housing reopens for spring semester at 3 p.m. the Saturday before classes begin. College housing also closes for spring break, at 10 a.m. the day after classes end and reopens at 3 p.m. the Saturday before classes resume. Graduating students living in campus housing may remain until noon the day following commencement.

A charge of $250 will be assessed to students who cancel their housing less than five weeks before classes begin for both fall and spring semesters.

Standard double, triple, and quad rooms are furnished with bunk beds, dressers, shelving, desks, desk chair, mini-blinds, and closet space. A limited number of single rooms are available at McManis-Evans Hall and Williston. Students may also access the campus computer network from their rooms, given their personal computers meet the required specifications. Campus cable television access is available in each residence hall lobby and in the living rooms of campus apartments and houses.

Every residence hall is equipped with a computer lab and a kitchen. Most residence halls have a study lounge, a prayer chapel, as well as study rooms on each floor.

There is limited storage space in college housing, and though the College makes provision for some storage while the student is registered and during vacation periods, it cannot accept responsibility for damage or theft. Students are strongly encouraged to purchase insurance to cover their personal property, which can be done while signing up for housing online.

Housing Services can provide a list of off-campus options, including apartments and rooms for rent from their online database.

**Housing Services**

https://www.wheaton.edu/reslife

Student housing is administered through the Housing Services Office. College residence halls include McManis Hall and Evans Hall, with accommodations for 288 men and women, Williston Hall for 65 men and women, Fischer Hall for 587 men and women, Traber Hall for 240 men, and Smith Hall for 168 women. Upperclassmen students may also apply to live in either one of 180 college apartments which house 2-5 students each or one of 23 houses that house 5-10 undergrad students each. A limited number of one-bedroom apartments are available for married international students and Colson Scholars. Family houses are available on a limited basis for both married international students with children and married Colson Scholars with children.
A charge of $250 will be assessed if a student cancels housing less than five weeks before classes begin. This applies to both the fall and spring semesters.

With the exception of a few available apartments on-campus, undergraduate married students live off-campus and are responsible for making their own housing arrangements. Housing Services can provide a list of off-campus options, including apartments and rooms for rent from their online database.

**Student Engagement**

The Student Engagement team exists to collaborate with faculty and staff to help new students transition into the College and then to provide opportunities for active learning through engagement in organizations and programs that equip them to thrive beyond the classroom. Student Engagement comprises the Office of Christian Outreach, International Student Programs, Intercultural Arts, the Office of Multicultural Development, New Student Orientation and the Student Activities Office.

**International Student Programs (ISP)**


Students from global perspectives are an important part of the Wheaton College community. Located on the lower level of the Todd M. Beamer Student Center, the purpose of the International Student Programs Office (ISP) is to meet the unique needs of all international, missionary and third-culture undergraduate students by providing services and initiatives that develop whole individuals and vibrant communities engaged in and contributing to the mission of Wheaton College.

International students study in the United States with an F-1 student visa. The ISP staff provides immigration related services such as issuing I-20 documents, advising on employment and travel opportunities and providing guidance while students navigate all aspects of living and learning in a new country.

TCK stands for Third Culture Kid, defined as someone who has spent a significant part of their developmental years outside their parents’ culture. Some TCKs are missionary kids; others are children of diplomats, international business people or military personnel. These students also make a positive contribution to our community, and the ISP staff seeks to provide programming and services to meet their unique needs.

The Office of International Student Programs partners with four student organizations to facilitate community and support for global students. These include Ladder Leaders (peer leader program for all new students), Axis (international student programming team), MuKappa (MK/TCK student fellowship) and the International Apartments community (host weekly gatherings for global and domestic student fellowship).

**Office of Christian Outreach (OCO)**

[https://www.wheaton.edu/OCO](https://www.wheaton.edu/OCO)

The Office of Christian Outreach (OCO) equips students to learn from, serve alongside, and partner with communities and organizations around the world in the redemptive work of the gospel.

To fulfill our mission, the OCO offers opportunities for off-campus engagement through eight student led ministries. Each of these ministries promotes the OCO's dedication to learning through service, uniquely expanding the learning that takes place in the classroom.

**BreakAway Ministry**

Creates opportunities for personal transformation by having Wheaton staff, faculty, and students serve together during Spring Break. BreakAway offers trips to both international and domestic sites in urban and rural contexts.

**Christian Service Council**

Mobilizes students to serve and share the Gospel in the Chicagoland area through weekly and one-time ministry opportunities.

**Global Urban Perspectives**

Seeks to raise students’ awareness of urban issues and mobilizes them to live out the incarnational Gospel in cities around the world through summer immersion programs and campus-wide events.

**Honduras Project**

Serves the Lord by encouraging, building relationship, and working with the people of Honduras. This project is a student-led spring break service learning experience. Each year, a group of students raises funds for a gravity-fed water system in a rural village in the mountains of Honduras. Over spring break, trenches are dug to help install the water system alongside hosting evangelistic outreach and ministry with woman and children. The system transports fresh, clean water from a spring above the village to faucets installed in every household that participates in the project and the ministry brings the living water of Jesus Christ to peoples’ hearts.

[https://www.wheaton.edu/life-at-wheaton/campus-involvement/leadership-teams/honduras-project/](https://www.wheaton.edu/life-at-wheaton/campus-involvement/leadership-teams/honduras-project/)

**Student Ministry Partners**

Mobilizes and equips students to partner with the global church and to make known the Kingdom of God among the nations through summer immersion programs.

**World Christian Fellowship**

Strives to increase students’ awareness of the global church and mobilize students to pray for and participate in global peacemaking and reconciliation.

**Youth Hostel Ministry**

Mobilizes and equips students to minister to the traveling communities of Europe through living in community, offering friendship, evangelism and hospitality during their summer immersion experiences.

**Zoe’s Feet**

Seeks to cultivate a community of dancers that are centered on the Word of God, celebrates unity and diversity, and provides a safe and honest space for worship.

**Office of Multicultural Development (OMD)**

[https://www.wheaton.edu/omd](https://www.wheaton.edu/omd)

The Office of Multicultural Development exists to promote a greater understanding of Christ-centered diversity and to develop a sense of home for those who are culturally diverse.

OMD collaborates with the Chief Intercultural Engagement Officer to facilitate Wheaton’s progress in becoming more culturally diverse and supports students of color in their engagement with academic and student life. The office also provides resources and ideas for majority students seeking to identify and understand issues of diversity from a
distinctly Christian worldview. The office seeks to bring issues of faith and cultural identity to the foreground of the campus and to foster unity, celebrate diversity, and encourage community between groups of diverse ethnic backgrounds.

1-2-1 Peer Program
Is a Peer support program that encourages incoming multicultural students in their transition to the Wheaton experience by pairing upperclassmen who serve as encouragers, guides, and friends who offer support, prayer and guidance to incoming freshmen and students of color.

Gospel Choir
Is a diverse group that exists to glorify God by building a loving community that ministers locally and globally to others through Gospel music.

Koinonia
Is a space for Asian and Asian American students to explore their identities alongside non-Asian students who want to learn about the Asian and Asian American experience through intentional fellowship and programming that celebrates the various Asian cultures.

Shalom Community
Is an intentionally diverse living learning community of two houses that contributes to students becoming whole and faithful Christians who pursue interracial healing and challenge racism within their spheres of influence.

Unidad
Is a community that empowers all students of Latino backgrounds to explore, develop and express their ethnic identity in Christ. Additionally, the organization aims to create awareness of and appreciation for the diversity of Latino cultures in the Wheaton community.

William Osborne Society
Is a community that empowers black students to explore, develop and express their ethnic identity. Additionally, the organization creates opportunities for the campus as a whole to learn, experience and share in Black culture.

Student Activities Office (SAO)

The Student Activities Office, located on the ground floor of the Todd M. Beamer Student Center, is a focal point of campus life with opportunities for student engagement and learning. Whether coordinating a ’70s roller-disco, facilitating a pivotal business meeting, or raising awareness about systemic racism, Wheaton students are engaged in a variety of experiences that contribute to both their growth as Christians and the Wheaton community.

The SAO has three student organizations and an evolving variety of more than 55 special interest clubs. Each of these student-initiated groups, through quality programs and services, is committed to building Christian community on campus.

**The Mission of the Student Activities Office is to holistically develop leaders to positively shape the Wheaton College student experience. The vision of the Student Activities Office is to be an effective greenhouse for current and emerging student leaders that cultivates personal growth, collaborative relationships, applied learning, program development, and cultural interpretation.**

College Union
https://www.wheaton.edu/life-at-wheaton/campus-involvement/leadership-teams/college-union/

College Union (CU) is responsible for large event programming with the goal of bringing together the student body to grow in their friendships, to play, and to strengthen our connection within our community. It is our belief that God desires for us to be a community that comes together to work hard but also one that comes together to relax and connect. During the year, CU plans annual campus traditions like Talent Show, Air Jam, President’s Ball, and Roller Disco. Throughout each semester, CU also coordinates Coffeehouse, a live music show with student performers, and campus concerts featuring major recording artists. In addition, CU collaborates with other campus departments to provide programming for Orientation Week, Alumni Weekend, and Family Weekend.

Solidarity Cabinet
https://www.wheaton.edu/life-at-wheaton/campus-involvement/leadership-teams/solidarity-cabinet/

Solidarity Cabinet believes that racial reconciliation is a necessary outworking and responsibility of our Christian faith. More specifically, the Solidarity Cabinet seeks to raise awareness of race, ethnic, and cultural issues and mobilize students to live out the gospel message of reconciliation. Throughout the year the cabinet hosts panel discussions, lectures, chapels, and other programs to engage and educate the student body on issues of systemic racism. Our ultimate goal is to promote dialogue about what we as a community can and need to do in response to the racial injustices within our society.

Student Government

Student Government (SG) exists to further the educational, spiritual, and relational development of the Wheaton College community as elected students represent their constituencies’ concerns and issues. SG ensures a student voice in the college at large and provides significant leadership opportunities. SG serves as a student forum where each member can practice Christian community by debating and discussing campus issues and seeking solutions that will effect positive change in our community. SG also serves the College administration, faculty committees, and the board of Trustees by representing student views in a thoughtful and articulate manner and, in turn, listens to College administration and faculty to offer accurate information back to students. Finally, SG provides tangible services to the student body such as a subsidized lunch program for students to eat with faculty, academic grant scholarships for student research, and funding for special interest clubs.

Special Interest Clubs
https://www.wheaton.edu/life-at-wheaton/campus-involvement/leadership-teams/student-led-clubs/

The great variety of special interest clubs on the campus include departmental organizations; pre-professional study groups; hobby groups; regional, international, and denominational fellowships; mission groups; and prayer fellowships. These groups offer many opportunities for students to collaborate with their peers around a shared interest, hobby, and/or passion. With genres of clubs ranging from academic honor societies, performance, publication, and social justice, there is
something for everyone. Each year more than 55 student clubs sponsor an array of programming including lectures, plays, political debates, prayer vigils, multi-cultural festivals, service trips, business competitions, and much more. These student-initiated and managed clubs truly enrich the atmosphere of Wheaton College, providing avenues for students to develop leadership and management skills, express their passions and interests within the boundaries established by the Community Covenant, and have a ton of fun!

**Student Wellness**

The Student Wellness Team exists to provide proactive and responsive care for all students to thrive physically, emotionally, socially, spiritually, and intellectually. Our vision is that all students will thrive in their individuality and in community for optimal living and learning, now and in the future, to benefit society for the Kingdom.

The Student Wellness Team comprises the Counseling Center, Learning and Accessibility Services, Student Care Services, and Student Health Services.

**Counseling Center**

https://www.wheaton.edu/Counseling

While in college, students are in the process of developing healthy social, spiritual, and sexual identities, cultivating meaningful relationships, and building accurate self-images. When difficulties arise in these areas, we would like to provide a comfortable, non-judgmental, and honest atmosphere in which self-exploration can take place.

The Wheaton College Counseling Center functions within a broad model that includes preventive and supportive interventions. For full-time, registered, degree seeking undergraduate students, we provide short-term individual, group, pre-marital, and couple therapy. We also provide off-campus psychotherapy, medical, psychiatric, and psychological testing referrals for various needs. Additionally, we provide outreach and consultation services to the greater campus community.

Problem areas we can assist you with: depression, eating disorders, effects of sexual abuse, effects of trauma or crisis, family of origin issues, fear and anxiety, feelings of inadequacy or failure, grief, guilt, loneliness, low self-esteem, management of chronic illness, management of stress, relationship conflict, academic distress, perfectionism, planning for future decisions, premarital issues, sexual concerns, substance abuse, and mental health crises.

On-campus counseling services are confidential and available to students from all backgrounds. For more information and details, please visit our website (https://www.wheaton.edu/counseling).

**Learning and Accessibility Services (LAS)**

https://www.wheaton.edu/las

The Learning and Accessibility Services Office exists to enrich and support learning for all students, promote equal access and cultivate an attitude of inclusiveness for students with physical and mental health conditions and learning differences. The LAS Office provides assistance for students needing accommodations for specific learning differences, physical and mental health conditions and is a campus-wide resource for any student wishing to develop his or her overall academic skill set. Through academic counseling and workshops, students are offered the opportunity to build on strengths, improve existing skills, develop new strategies, and access resources that will help enhance their learning experience. Individual meetings are available by appointment.

**ADA and Section 504**

For students with learning differences, physical and/or mental health conditions that meet the criteria of disability as defined by the Americans with Disabilities Act and Section 504 of the Rehabilitation Act, Wheaton College takes an individual, holistic approach to providing accommodation. A student must notify the College of his/her physical or mental health condition or learning difference, either at the time of admission or before the accommodation is requested. Requirements may include a medical or educational evaluation by a physician, psychologist, psychiatrist or licensed learning specialist, a description of what specific accommodations have been offered in the past, and the accommodations or services that will be requested from Wheaton College. The Accessibility Specialist is available to assist students with any concerns/questions they may have with regard to their individual circumstances. Contact the Learning and Accessibility Services Office for further information, 630.752.5674.

**Student Care Services (SCS)**

https://www.wheaton.edu/scs

The College experience provides many positive opportunities, developmental challenges, and sharpening of interpersonal skills which often develop through transitions that have the potential to produce distress along the way. We offer our support services to help students thrive in their God given talents and abilities through appropriate coordinated care.

Student Care Services (SCS) provides proactive and coordinated communication with faculty, staff and campus-wide departments regarding student needs. We are here to support the holistic restoration of students, provide referrals on and off campus, partner with the student to establish care plans as needed, assist students with developing self-care and self-advocacy skills and empower them through challenging times as well as in making difficult decisions. SCS also serves students with liaison support for all medical or mental health related hospitalizations. In addition, SCS provides travel wellness reviews for all student travel programs to ensure appropriate support.

SCS offers on-going education and information through workshops and programs focused on best practices regarding how to refer concerns, proactively respond to and support students. Students can contact our office to set an appointment to meet with the Director to seek support. The Director of SCS also serves as the Deputy Title IX Coordinator and Discrimination Officer for students and is available to meet upon request.

We serve as the central gateway of coordinated response for campus-wide resources, support and care for all students who are experiencing distress related to their holistic development that may impact daily functioning as they navigate their College experience. We envision cultivating a culture of care within our campus community to ensure every student concern is addressed. For more information, please visit our website.

**Student Health Services (SHS)**

https://www.wheaton.edu/shs

Student Health Services (SHS) provides comprehensive primary health care to all enrolled students. These services include: lab tests, medications, wellness exams, routine immunizations, free STI testing, and care for acute and chronic illness. Within SHS there is an
International Travel Clinic which provides travel consults for students traveling internationally with a Wheaton College sponsored trip or personal trips. Destination appropriate immunizations, medications, and products are available.

While college is in session, Medical provider (MD, NP) appointments are available Monday through Thursday 8:00 a.m. - 5:00 p.m. and Friday 8:00 a.m. - 4:00 p.m. Walk-ins or scheduling appointments though MyChart are welcome. During the summer term, services are available on a modified basis.

In most circumstances, each entering student is required to have the following: health history, a physical examination, including laboratory testing (per physician discretion), as well as documentation of immunizations and a tuberculosis (TB) skin test which is required by Wheaton College and Illinois State Law. A registration hold and a non-refundable late fee will be assessed if these items are not completed prior to the designated deadline. SHS will notify students of their medical requirements via their my.wheaton.edu (http://my.wheaton.edu) email account only. Students may consult the website for more information and forms at https://www.wheaton.edu/shs.

Privacy Statement: All health information is treated confidentially. Nothing is released without written consent unless a life is in danger or a community risk exists. Each student will sign a confidentiality statement upon their first visit to Student Health Services.

Student Health Insurance

All undergraduate and graduate students are strongly recommended to have medical insurance coverage. Students should be covered for routine and emergency care as they study at different locations, programs in the U.S. or abroad. Wheaton College provides a mandatory health insurance product for all F1 visa holding (non-resident) students.

**Title IX**

Wheaton is committed to establishing and maintaining a safe and healthy environment for all members of the community. An important part of this commitment is the provision of comprehensive sexual assault response and prevention resources.

The goal of campus life at Wheaton College is to live, work, serve, and worship together as an educational community centered around the Lord Jesus Christ. Along with the privilege and blessings of membership in such a community come responsibilities. The members of the Wheaton College campus community take these responsibilities seriously (see the Wheaton College Community Covenant).

One of these responsibilities is to establish and maintain a safe and healthy social environment for all members of the community that honors the Lord Jesus Christ and God’s vision for human sexuality. God’s vision for sexuality affirms the dignity and purity of all persons. Sexual harassment and assault are behaviors outside of God’s vision for human sexuality that cause pain and suffering. They are also unacceptable behaviors that grieve God’s heart and members of the Wheaton College community.

Wheaton College takes sexual assault very seriously, and has developed a comprehensive definition and policy related to sexual harassment and assault. We provide resources for prevention, support, education, as well as a fair conduct process to care for the members of our community.

**Center for Vocation and Career (CVC)**

https://www.wheaton.edu/cvc

The Center for Vocation and Career equips students to use their liberal arts education to thrive in their careers, reflect kingdom values, and help build the church and benefit society worldwide. The vision of the CVC is that all students would develop a plan for life after graduation, have the tools necessary to implement their unique plan, and be provided ample opportunity to execute their vocational plan. We support each student as they cultivate self-awareness, explore vocational callings and careers, engage in experiences outside of the classroom, and develop professional competencies and learn to articulate them.

Students can begin their career journey their first year on campus by attending the What Are Your 5? event held each spring, focused on exploring their top five CliftonStrengths. They can also engage with the CVC team on Handshake (https://wheaton.joinhandshake.com/login), a career platform that connects students to CVC events, employers, jobs, internship opportunities, and CVC resources. Students can set up an account on Handshake and download the app as soon as they have their school email address.

The Center for Vocation and Career wants to help each student understand their unique gifts and interests and explore how those can be used to impact the Kingdom of God—in all sorts of industries and positions.

**Student Employment**

At the start of each school year we host a Part-time Job Fair where both on-campus and off-campus positions are made available. In addition, the Center for Vocation and Career regularly posts both full and part-time jobs on Handshake (http://www.wheaton.edu/cvc).

**Office of the Chaplain**


The chapel program seeks to nurture the spiritual life of students in the context of an academic environment. Three times a week (Mondays, Wednesdays, and Fridays) from 10:40 a.m. to 11:20 a.m., the entire undergraduate student body gathers in community in Edman Chapel for the purpose of worship. The chapel curriculum is structured around a 4-year Bible lectionary. Each Monday is a Gospel reading, Wednesday is a narrative reading, and Friday is a Psalm. The primary reason for the curriculum is catechesis—the formation and education of the whole person—heart, head, body, emotions and will. Through exposure to the entire Scripture over a four year period, students are encouraged to learn to love God’s Word, while developing greater theological and biblical literacy. Chapel services reflect the interdenominational nature of the College and include guests known for their Christian leadership and message to the church and culture. Variety in worship forms, traditions, and music enriches the educational and experiential dimension of the chapel program. Student and faculty participation encourages the development of Christian faith through peer and mentor relationships. Chapel attendance is required for all undergraduate students. A chapel program for Graduate School students provides weekly (Wednesdays at 10:40 a.m.) worship in the Barrows Auditorium, BGC.

The Chaplain of the College oversees the spiritual life of the community through the chapel program, small group ministries, and pastoral care for undergraduate and graduate students, faculty, and staff. Discipleship Ministries, the small group ministry out of the Chaplain’s Office, facilitates
student-led small groups on campus. These groups (Discipleship Small Groups, Koinonia Family Groups, and Strongholds) meet to study Scripture, pray, and encourage one another practically and spiritually. The Chaplain’s pastoral responsibilities include coordinating on-campus worship and networking the spiritual life resources of the community.

Students are encouraged to participate in the worship, life, and ministry of a local church. The benefit is mutual as students gain from the fellowship of a church, and churches appreciate the involvement of students. A directory of local churches is available on-line on the Chaplain’s Office website.

Campus Services

Campus Stores
The Campus Store is operated by Follett Higher Education Group and is the official supplier of college course materials, providing the correct edition, used books and rental as available, and in stock for the start of classes. The Campus Store also sells Wheaton apparel and Thunder athletic gear, as well as school supplies. Information about ordering your textbooks, our return policy, textbook buyback, and store hours are available at http://www.wheatonbooks.com or by calling 630.752.5119.

College Post Office (CPO)
The College Post Office (CPO) is located in the Todd Beamer Center and provides mail services to the campus. CPO box assignments and combinations are issued at the post office window. To ensure mail delivery, please use the following as an example of a proper student address:

Student Name
CPO #
501 College Ave
Wheaton IL 60187

A forwarding address form must be completed and returned to CPO when a student leaves for a period of three weeks or more. The student is responsible to advise organizations/companies of a change of address for magazines, newspapers, and bulk mail. Only first class mail and priority mail will be forwarded. Mail not forwarded includes: media mail, bulk mail, parcel select mail, and some international mail (mail sent from overseas.) Please note: UPS, FedEx, Airborne, DHL, etc., are not forwarded, these packages are returned to the sender.

Food Service
https://www.wheaton.edu/life-at-wheaton/housing/campus-dining/

Anderson Commons provides cafe-style food service. Well-balanced meals from our food-service partner, Bon Appétit, offer menu variety for individual tastes. Eighteen meals a week are served. Students living in college residence halls are required to purchase at least a 10-meal plan. Several meal plan options are available to upperclassmen and graduate students. First year undergraduate students are required to purchase a 10, 14- or 18-meal plan, or a 160 or 210 block plan. Meal plan start dates for students coincide with the residence hall openings for each semester. The last meal on the plan each semester is dinner on the Thursday of finals week. Meal plan additions or changes must be completed online at http://www.wheaton.edu/studentlife/reslife/meal-plans, by the end of the first week of classes each semester.

ThunderBucks are for use in Anderson Commons, Sam’s, and The Stupe, which are located in the Beamer Student Center. ThunderBucks are flex dollars that are a part of the 10, 14 and 18 meal plans, as well as the 160 and 210 block plans. Unused ThunderBucks at the end of the fall semester can be rolled to the spring semester; unused ThunderBucks at the end of the school year will be forfeited.

ThunderBucks PLUS are additional dollars that may be added on to the student ID Card for extra spending options. ThunderBucks PLUS may be added to the card at any Bon Appétit cash register by cash, check, or credit card. ThunderBucks PLUS may be used in all three food service venues provided by Bon Appétit, and at concessions stands at home sporting events.

Academic and Institutional Technology
https://www.wheaton.edu/AIT

Residence halls and apartments allow both wireless and wired Internet access. Students can connect to wireless coverage in their rooms or apartments, and/or request activation of a wired connection for systems that benefit from faster network speeds. Wireless coverage is available throughout campus.

Undergraduate students who want to connect their computers to the campus network must register their computer and install and maintain anti-virus and anti-malware security software. This is required by the College network access control system and is referenced during the student account setup process.

Academic and Institutional Technology provides technology support information and resources for students at https://www.wheaton.edu/AIT.Service.Desk@wheaton.edu, calling 630.752.4357 (HELP), or in person at Blanchard 171.

Public Safety
The Wheaton College Department of Public Safety is dedicated to the protection of life and property and to the prevention of crime, fire and accidents. Uniformed officers are on duty 24 hours a day patrolling campus buildings, streets and parking lots. Through preventative patrol, emergency response, and educational programs, Wheaton College Public Safety strives to promote an awareness of safety among students, employees, and visitors. Public Safety also provides a variety of services to the campus community, striving to meet the needs of students, employees, and campus visitors alike.

Family Rights and Privacy Act
Wheaton College is in compliance with the Family Educational Rights and Privacy Act which is designed to protect the privacy of educational records, to establish the right of students to inspect and review their records, and to provide guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students also have the right to file complaints with the Family Educational Rights and Privacy Act Office concerning alleged failures by Wheaton College to comply with provisions of the Act. Such complaints should be sent to: Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Avenue, S.W., Washington, D.C. 20202-5920.

Wheaton College has adopted a policy which explains in detail the procedures used for compliance with provisions of the Act. Copies of the policy are available in the Registrar’s Office.
UNDERGRADUATE ADMISSIONS

Entrance Requirements

Wheaton College selects candidates for admission from applicants who evidence a vital Christian experience, high academic ability, moral character, personal integrity, concern for others, and the desire to pursue a liberal arts education as defined in the aims and objectives of the College.

The College seeks to enroll, from its many applicants, a well-rounded first-year class—a class composed of 615 dynamic individuals with a wide variety of attributes, accomplishments, backgrounds, and interests.

These qualities are evaluated by considering each applicant's academic record, autobiographical statements, test scores, recommendations, participation in extracurricular activities, and an interview (should the applicant choose to have one). An audition is required for Conservatory of Music applicants.

Secondary School Record

Wheaton College requires a certificate of graduation from a school providing secondary education or the recognized equivalent of such a certificate (GED) for admission as a degree seeking student. We allow an exception for students who have completed a secondary school education in a home school setting that is treated as a home school or private school under State law.

Therefore, students who do not have a high school diploma or a recognized equivalent (e.g. GED), or do not meet the home school requirements, and who first enroll in a program of study on or after July 1, 2012, will not be eligible to receive Title IV student aid. “Ability to benefit” (ATB) alternatives to a high school diploma or its equivalent are no longer accepted.

A student's final high school transcript including all completed high school coursework and date of graduation serves as proof of a high school diploma. With the exception of homeschools, final high school transcripts must be signed and sent directly from the high school in a sealed envelope or through an approved electronic transcript transfer. If we are unable to validate a student's high school diploma, the student will not be eligible for federal financial aid. There is no appeal process should this situation occur.

Applicants should have followed a challenging college preparatory curriculum and meet the unit requirements listed below.

A minimum of 18 units should be earned in high school. (A unit is one full year of a subject). Only courses taken in grades 9-12 are counted. An applicant should plan to complete at least 14 units by the end of the junior year.

Of the 18 units, 15 must be earned in the academic areas of English, social studies, mathematics, science, and foreign language. Applicants will be expected to have completed at least two years of one foreign language.

<table>
<thead>
<tr>
<th>Courses That Meet the Unit Requirements</th>
<th>Recommended Units</th>
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</thead>
<tbody>
<tr>
<td><strong>English</strong> (Examples: grammar, literature, composition, speech, debate, forensics, writing)</td>
<td>4 units recommended</td>
</tr>
<tr>
<td><strong>Mathematics</strong> (Examples: algebra, geometry, algebra II, trigonometry, analytic geometry, precalculus, calculus, math analysis)</td>
<td>3-4 units recommended</td>
</tr>
<tr>
<td><strong>Science</strong> (Examples: biology, chemistry, physics, earth science, physical science, geology, astronomy)</td>
<td>3-4 units recommended</td>
</tr>
<tr>
<td><strong>Social Studies</strong> (Examples: world history, global studies, U.S. history, western/world civilization, European/African/Asian history, geography, psychology, economics, political science, government, sociology, philosophy)</td>
<td>3-4 units recommended</td>
</tr>
<tr>
<td><strong>Foreign Language</strong> (Examples: French, German, Spanish, Chinese, Japanese, Russian, Italian, Latin)</td>
<td>2-3 units recommended</td>
</tr>
<tr>
<td><strong>Other</strong> (Examples: accounting, art history/survey/appreciation, Bible/religion, business, child development, communications, computer science, consumer education, drama, ESL, family living, general math, journalism, marketing, music history/theory/appreciation, pre-algebra)</td>
<td></td>
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</tbody>
</table>

No units are granted for health and activity courses such as physical education, driver education, or vocational courses. A maximum of one unit of computer science may be counted toward the 18 units.

Homeschooled applicants are required to submit additional curricular information, by completing the Homeschool Information Form.

Students who are in an accelerated program in high school and who can complete all requirements for a diploma and Wheaton entrance requirements in three years may be considered for admission. They must satisfy all Wheaton's requirements for admission, including the 18 units of coursework and assurance that a diploma will be granted before enrollment at Wheaton. They must also demonstrate exceptional academic ability as evidenced by grades and test scores and display sufficient maturity to perform at the college level.

In recent years, the average unweighted grade point average of students accepted for admission has been 3.7 on a 4.0 scale. Over 50% of these applicants graduated in the top 10% in their class. These figures are not minimums, but are provided to give a general profile of the first-year class.

Entrance Tests

Satisfactory scores on the Scholastic Assessment Test of the College Entrance Examination Board (SAT), the American College Testing Assessment Program (ACT), or Classical Learning Test (CLT) are required of all domestic first-year and transfer applicants who, at the time of application, have not completed 24 semester hours of college credit post
high school graduation. Wheaton’s code number is 1905 for the SAT; 1160 for the ACT. All test scores must be sent directly from the testing service. All entering domestic first-years are required to take the SAT, ACT, or CLT. First-years applying for Early Action must take the ACT or CLT no later than the October test date, or take the SAT no later than the November test date. First-years applying for Regular Action must take the SAT, ACT, or CLT no later than the December test date.

**Recommendations**

The following are required:

- Recommendation by an academic teacher (English, social science, science, math, or foreign language).
- Recommendation by a pastor, youth pastor, former pastor, Bible study leader, church official, or other mature Christian. This person should be a mature Christian adult who has had the opportunity to observe the student’s spiritual life, and should not be a relative.
- Conservatory applicants must also request a recommendation from one of their music teachers.

Please refer to the academic, pastoral, and music teacher recommendation forms for specific instructions (https://www.wheaton.edu/admissions-and-aid/undergraduate-admissions).

**Community Covenant**

The Community Covenant (https://www.wheaton.edu/about-wheaton/community-covenant) is designed to express the Christian convictions, aspirations, commitments, and responsibilities shared by the members of the Wheaton College campus family. All students enrolling in Wheaton College will be required to sign the Community Covenant published in this catalog and in the admissions application.

**Interview**

An admission interview is optional. Interviews will be conducted while time slots are available, up to November 1 for Early Action First-Year applicants and through February 1 for Regular Action First-Year applicants. Transfer interviews will be held through the appropriate transfer application deadline. To facilitate Early Action admissions decisions, no interviews will be conducted during the month of November. Please keep in mind that interview appointments are limited and often fill up a few weeks before the application deadline.

**Application Procedures**

**First-Year Students**

Decisions are made two times during the year for Fall First-year applicants. Students who apply for Early Action, which is non-binding, receive their decision letters by December 31. Students who apply for Regular Action receive their decision letters by April 1. Spring First-years who apply by October 1 will receive their decisions by December 1. For information on deadline dates for Early Action and Regular Action, as well as for applying to the Conservatory, consult the current year’s application at https://www.wheaton.edu/Admissions-and-Aid/Undergrad/Apply. Applications submitted after the deadline dates cannot be guaranteed equal consideration with those submitted on time.

All students admitted for fall semester have until **May 1** to submit an enrollment confirmation and $300 advance deposit. May 1 is the nationally recognized candidate reply date. All students admitted for spring semester have until the date stated in the admission letter to submit an enrollment confirmation and $300 advance deposit.

A student must complete the following steps to be considered for admission to Wheaton as a First-Year student:

- Submit a completed application form (https://www.wheaton.edu/admissions-and-aid/apply-to-wheaton-college) along with a nonrefundable application fee using our institutional application or the Common Application.
- Request that their secondary school send an official transcript of credits, including grade point average and the rank in class at the end of the junior year. The transcript must include work through the junior year and contain the freshman year record. If you have attended more than one high school, you must request a transcript from each school. **Transcripts must be sent directly from the school or in a signed and sealed school envelope.**
- Have the Academic Recommendation completed by an academic teacher.
- Arrange for a pastor, youth pastor, former pastor, Bible study leader, church official, or other mature Christian to complete the Pastoral Recommendation.
- Take the SAT, ACT, or CLT and have the score reports sent to the Admissions Office directly from the testing agency. The application for admission may be submitted before taking the tests. Please note that if you are applying for Early Action, you must take the ACT test no later than the October test date of your senior year, or take the SAT test no later than the November test date of your senior year. If you are applying for Regular Action, you must take the SAT or ACT test no later than the December test date of your senior year.

Enrolling students must request a final official transcript from their school as soon as possible, reflecting senior year credits, grades, final class rank, and date of graduation. **Final transcripts must come directly from the school.** Students are expected to satisfactorily complete all coursework in which they are enrolled at the time of acceptance.

Admitted students will be sent a medical history form, which must be completed and submitted to Student Health Services before enrollment.

**Conservatory of Music**

The Conservatory of Music (https://www.wheaton.edu/wheaton-college-conservatory-of-music) is a department of the Division of Conservatory, Art and Communication at Wheaton College. Those wishing to pursue a Bachelor of Music or Bachelor of Music Education degree should use the Conservatory of Music application available online. Those wishing to pursue a Bachelor of Arts degree in music should complete the online application to the Liberal Arts College. The deadline for applications is January 10 for the following academic year. A student must apply either to the Conservatory of Music or to the Arts and Sciences division of the College, but not both. Applicants to the Conservatory should refer to the section in this catalog for the Conservatory of Music (p. 227). Additional requirements for admission and the procedure for applying to the Conservatory will be found in that section.

**Transfer Students**

Transfers should apply the previous spring for fall semester and the previous fall for spring semester. For information on deadline dates, consult the transfer student (https://www.wheaton.edu/admissions-and-aid/undergraduate-admissions/apply-to-wheaton/transfer-applicants) portion of our website. Typically Wheaton has about 65 openings for the fall semester and 25 for the spring. Admission is offered on a rolling basis beginning in March (for fall) and November (for spring).
Applications submitted after the deadline dates cannot be guaranteed equal consideration.

A transfer is defined as any student who has previously enrolled full-time in a college or university after graduating high school or who will have earned 24 or more college credits from an accredited college or university between graduating from high school and beginning at Wheaton College. The student should have at least a B average and be in good standing at the school last attended. Credit is granted for work of satisfactory grade (C-) taken in accredited schools, provided courses apply toward the Wheaton program. Junior college students may transfer up to two years (62 semester hours) of credit.

Students applying for transfer to Wheaton must complete the following steps:

• Submit a completed application form along with a nonrefundable application fee using our institutional application or the Common Application.
• Request that the secondary school send a transcript of credits, including a statement of graduation. Transcripts must come directly from the school.
• Request transcripts from all postsecondary institutions attended, whether or not credit was earned. Transcripts must be sent directly from the school or in a signed and sealed school envelope.
• Have the Academic Recommendation completed by a professor or faculty advisor at the previous college.
• Arrange for a pastor, youth pastor, former pastor, Bible study leader, church official, or other mature Christian to complete the Pastoral Recommendation.
• Have the SAT or ACT scores sent to Wheaton directly from the testing agency. Students who have earned at least 24 semester hours of credit at the time of application are not required to submit test scores.

If admitted, students are required to send an advance deposit of $300 by the date stated in the admission letter. (See section on advance deposit.)

Enrolling students must also submit final transcripts of college work as soon as it is completed. Final transcripts must come directly from the school. Students are expected to satisfactorily complete all course work in which they are enrolled at the time of acceptance.

In addition, a medical history form must be completed and submitted to Student Health Services before enrollment.

Readmission

When a matriculated student withdraws from Wheaton and desires to return, a Returning Student Application must be submitted to the Admissions Office. Application deadlines for students applying for re-admission are the previous spring for fall and summer, and the previous fall for spring. For information on deadline dates, consult the current year’s application. Readmission is not guaranteed; however, preference is given to returning students based on the number of openings in a given semester. Students are advised to submit the application and supporting documents well in advance of their desired date of reenrollment.

If the student has attended another college since leaving Wheaton, an official transcript of all courses taken must be sent to the Admissions Office. Upon acceptance, readmitted students are required to submit a $300 advance deposit. Housing requests will not be processed until the advance deposit has been received by the Admissions Office.

If a student has not been enrolled for ten years or more and is readmitted into a degree program ten years from initial enrollment, the requirements listed in the catalog for the year of readmission must be met for graduation. Such students may file an Academic Petition with the Registrar’s Office to extend degree completion beyond the ten-year limit. Students also may petition departments to be allowed to use credits more than ten years old to meet requirements of the newer catalog.

International Students

Qualified international students (non-citizens without a U.S. permanent resident visa) of high scholastic standing are invited to apply for admission to the College. The application deadline for undergraduate international applicants intending to enroll in the Fall is November 1 for Early Action and January 10 for Regular Action First-years and March 1 for Transfers.

English Proficiency Requirements for International Applicants

International applicants from non-English speaking countries must submit a TOEFL or IELTS score. Generally, admitted students have an Internet-based TOEFL score of 95-105 or higher (587-620 or higher on the paper-based test) or an IELTS Academic score of 7-8 or higher and a CEFR level of C1 or above.

Applicants who fulfill all of the following criteria, may submit SAT or ACT scores to fulfill the English proficiency requirement instead of TOEFL or IELTS scores. However, the Admissions Office strongly encourages all international applicants whose native language is not English to take the TOEFL exam or IELTS Academic exam. The required criteria for the SAT or ACT exception is as follows:

• Applicant has studied as a full-time student in the United States, the United Kingdom, the Republic of Ireland, Australia, Canada, New Zealand, or the British West Indies within the last two years, OR you have studied at an international school where English language is the language of classroom instruction within the last two years.
• AND applicant has taken at least one English class with a grade of B or better.
• AND applicant has a good academic record at the school attended.

An applicant who is a native speaker of English and is a citizen of the United Kingdom, the Republic of Ireland, Australia, Canada, New Zealand, or the British West Indies is not required to take the TOEFL exam or IELTS Academic test but instead is required to submit SAT or ACT scores.

NOTE: We must receive official score reports directly from the testing service.

Scores must be no more than two years old. If a student took the exam more than two years ago, it must be taken again. Students who do not meet the minimum English proficiency requirements will not be admitted.

Financial Documentation for International Applicants

International undergraduate applicants requesting an F1 student visa must show sufficient funds to cover expenses while attending Wheaton College. To verify adequate financial support, all international applicants (including citizens of Canada) must complete the International Financial Verification Form and submit it along with required financial documentation.

Wheaton College will not make an admissions decision until all required financial forms and documents are received.
Selection Process

Admission Decisions
The selection of candidates for admission to Wheaton College is made by an Admissions Committee. Notification dates are listed in the application, or in the above section pertaining to your application type. For fall admission, all applicants with completed files should have received a decision letter by early April.

Waiting List
In April, some candidates will be notified that they have been placed on a waiting list. In the event that cancellations from those offered admission create openings in the class, those openings will be offered to candidates on the waiting list.

Advance Deposit
An advance deposit of $300 must be submitted with the Enrollment Confirmation Form to accept admission to the College or Conservatory of Music. The deposit is not refundable after the deadline and is forfeited if the student does not enroll. Upon enrollment, the deposit is credited toward tuition.

Deadlines for submitting the advance deposit are as follows: May 1 for the fall semester and December 1 for the spring semester (or the deadline listed on your letter of admission). If the deposit is not received by the above deadline, the student’s spot in the class may be forfeited to a candidate on the waiting list.

Test Information and Credit

Competency and SAT Subject Tests
Competency in the areas of foreign language, speech, and writing should be demonstrated through the testing programs listed below. If competency is not demonstrated, the course or courses become part of the general education requirement. (See General Education Requirements (p. 29) for specific competency requirements.)

- Foreign Language - Competency exam administered on campus if a student does not demonstrate competency through SAT Subject Tests, AP, or IB exams. For languages not taught at Wheaton, exam availability may vary;
- Oral Communication - Test administered on campus;
- Writing - See Writing under the English section of this catalog.

The SAT Subject Tests are not required for the admissions process. Foreign language subject tests may earn college credit as noted above. Students should arrange with their guidance counselors to take the tests sometime during their senior year, preferably no later than May. For further information on competency, see the General Education Requirements (p. 29) section of this catalog.

Note: If an Advanced Placement or International Baccalaureate course and exam are taken, the SAT Subject Test is not necessary.

Advanced Standing - Dual or Concurrent Enrollment Credits
A maximum of 40 credit hours earned prior to high school graduation may be applied to the undergraduate degree. Use of courses taken prior to college matriculation for major requirements will be at the discretion of the Academic Department.

Advanced Standing – Credit by Examination
A student may be granted advanced standing or college credit on the basis of examination. The amount of credit and level of placement will be determined by the Registrar and the department chair in which the course is taught or the Director of Core Studies. Credit for advanced standing can be acquired by the following means:

- Advanced Placement Program of the College Board with scores of 4 or 5. AP credit will be forfeited if an equivalent college course is taken for credit;
- International Baccalaureate courses with grades of 5 or higher;
- Certain foreign credentials.

Additional information will be sent to admitted students.

Acceptance of Degrees and Credits
The College reserves the right to decide the acceptability and relevance of degrees and credits earned at other institutions. The Registrar is responsible for specifying the criteria and condition for the acceptance of such degrees and credits. College credit taken before the first year in high school will not be considered for transfer to Wheaton College.

Graduation Rate Information
As prospective students consider which college to attend, they often question what graduates do after graduation and how many students who start a degree program actually complete it. Of the first-years who enrolled at Wheaton for the fall 2017 semester, 92% returned to Wheaton for the fall 2018 semester. Of the 598 first-years who enrolled for the fall 2012 semester, 77% graduated from Wheaton in four years, 85% within five years, and 87% within six years.

Within five years of graduation, approx. 60% of Wheaton graduates have gone on to some form of graduate study.

This information is being provided as a service to students and in compliance with the Federal Student Right-to-Know Act.
The following requirements must be met for graduation:

**Graduation Requirements**

- Students must satisfactorily complete 124 semester hours. No more than six hours of Applied Health Science Physical Activity courses or Dance courses can be included in the 124 hours. The course requirements for some majors exceed 124 hours.
- A cumulative grade point average of 2.00 must be maintained. A 2.00 average is also required for a major with a maximum of four hours of D grades allowed toward a major (maximum of eight hours of D grades in major courses for the B.M. and the B.M.E. degrees).
- A total of 36 semester hours must be earned in upper division courses—those numbered 300 and above.
- At least 48 semester hours must be satisfactorily completed from Wheaton College. Irrespective of the total number of hours taken from Wheaton College, at least 30 of the last 60 and at least 12 of the last 21 hours earned toward the degree must be taken from Wheaton. Study abroad programs on the Global and Experiential Learning (GEL) Office's Approved Semester Programs list may count as residency hours for the 12 of the last 21 rule.
- The requirements for one major must be satisfactorily completed. Specific requirements for majors are stated in the Arts and Sciences and Conservatory of Music sections of this catalog. The 124 hours required for graduation may contain no more than 52 hours within a student's major prefix, (e.g. BIOL) and no fewer than 72 hours outside the major prefix. Students must complete a minimum of 15 semester hours plus the capstone course in their major from Wheaton College, except in the case of Foreign Language majors who complete their study-abroad requirement in an accepted non-Wheaton College program; these students must complete a minimum of 12 semester hours plus the capstone course in their major from Wheaton College.
- Some departments require that students in their major take comprehensive examinations as a part of their graduation requirements. Other assessment measurements may be required by individual departments or the college administration.
- An Application for Degree must be filed with the Registrar's Office by the beginning of the student's senior year.
- Completion of the Bachelor's degree must be within ten years of initial enrollment.

**Participation in Commencement**

Commencement is a public event for recognizing and celebrating graduating students. A student who completes degree requirements in December, May, or summer may participate in the annual May commencement. Completion of degree requirements means that a student will have completed all the requirements as noted above.

Students who will be completing degree requirements during the summer must be registered for the appropriate courses prior to the commencement ceremony as confirmed by the Registrar's Office. In order to walk in commencement, it is assumed that a student will receive, or will be eligible to receive, a diploma no later than August of the academic year of commencement participation.

Some students will be allowed to participate in commencement without having completed all of the above criteria. The exceptions are:

- Elementary education, secondary education, or music education students who have completed everything except the student teaching semester;
- Liberal arts engineering students who have completed 30 semester credits of the engineering program at IIT or one year at other engineering schools;
- Liberal arts nursing students who have completed one year of the nursing program from a nursing school; and
- Students who are registered to complete one graduation requirement during the following fall semester on Wheaton's campus.

Liberal arts engineering and nursing students are not eligible to participate in commencement after 8 semesters of enrollment if the above criteria for Wheaton requirements are not completely met.

Students who do not meet the stated criteria will not be permitted to participate in commencement. While requests for an exception to the stated criteria may be submitted by a student, such exceptions are rarely approved and only for very unusual and extenuating circumstances. The "Request to Participate in Commencement" (available in the Registrar's Office) must be submitted to the Registrar's Office by March 1. All requests will be reviewed by the Provost's Office.
General Education Statement of Purpose

The purpose of our general education program, Christ at the Core, is to introduce men and women to an understanding and appreciation of God, His creation and grace, and to our place of privilege and responsibility in the world He has made. To this end, the curriculum encourages students to ground all aspects of life in the Word of God, leading to a firm commitment to Christ and His Kingdom.

Christ at the Core general education exposes students to the fundamental ideas of their shared theological, cultural, intellectual, and scientific traditions, and also to concepts and issues outside the framework of their own cultural background. It engages students in various disciplines with their means of discovery, helps students grasp relationships between different fields of knowledge, and encourages them to appreciate and experience the unity of God’s truth.

The Christ at the Core general education curriculum is designed to develop the student’s ability to be creative, to think critically, and to reason analytically and quantitatively. It enables students to develop proficiencies in research methodologies, in oral and written expression, and in aesthetic appreciation. More specifically Christ at the Core prepares a student:

To pursue an integration of faith, life and learning:

• By employing a Christian world view of God, humanity, nature, and the arts
• By seeking to obey Christ in personal, professional, occupational, and social activity
• By understanding and applying biblical perspectives to all areas of knowledge and life
• By interconnecting knowledge, concepts, and actions through critical analysis of historical, cultural and scientific backgrounds

Christ at the Core encourages independent thought and action, nurturing the desire and capacity for informed moral choices and lifetime learning. It supports the general goal of the College to prepare students—intellectually, emotionally, physically, spiritually, and socially—for life in church and society, for involvement in Christ’s redemptive work in creation, and for lives of joy and service to the glory of God.

Christ at the Core General Education Requirements

The general education requirements listed below apply to students in the Bachelor of Arts and Bachelor of Science degree programs. Requirements for Music degrees are listed in the Conservatory of Music section of the catalog. The credit hours listed for each requirement are based on Wheaton College course offerings. Variations may occur when requirements are met through testing and/or with transfer credit.

Core Competencies - (up to 20 Hours)

Competencies are essential academic skills for advanced study in the Christian liberal arts. Each student must satisfy up to 20 hours of Core Competencies over four different disciplines (First Year Writing, Oral Communication, Foreign Language, and Wellness). Some students test out of part of the requirements through validation tests administered by the appropriate department or by AP, IB, ACT, or SAT Subject scores. Since these skills are foundational for further study, students should complete them no later than the end of their sophomore year, with the exception of the foreign language requirement, which should be completed by the end of the junior year.

1. First Year Writing (0-4 Hours)

Students should fulfill this requirement in their first year so that they will be introduced to ideas and skills that will be crucial for their progress through their liberal arts education. All students should complete the writing requirement by the end of their sophomore year. Since writing is a life-long skill, students are encouraged to take additional writing courses beyond Composition and Research. Successful completion of the First Year Writing requirement is a prerequisite for enrollment in any upper division writing course.

Meeting the Writing Requirement:

• You may satisfy the writing requirement by taking ENGW 103 (4 hours) and earning a grade of C or higher.

OR

• You may satisfy the writing requirement by taking ENGW 104 (2 hours) and earning a grade of C or higher if:
  1. You have scored a 3 on the LANGUAGE/Composition Advanced Placement exam.
  2. You have received a 10, 11, or 12 subject-level score on the ACT Writing Test.
  3. Your ELA score (an average of your English, Reading, and Writing scores) is 32 or higher on an ACT exam taken on or after September 1, 2015.
  4. You have scored a 10, 11, or 12 on an SAT Essay taken before March 2016.
  5. You have scored a minimum of 6 or better in each category (reading, analysis, and writing) on an SAT Essay taken on or after March 1, 2016.

Options to Fulfill the Requirement with Academic Credit:

• If you score a 4 or 5 on the LANGUAGE/Composition Advanced Placement exam, you earn 4 semester hours of writing credit and have completed the writing requirement.

• If you score a 3 on the LANGUAGE/Composition Advanced Placement exam, you earn 2 semester hours of writing credit. You may complete the 4-hour requirement by taking ENGW 104 (2 hours) or passing the Writing Competency Exam ($30 charge for the exam) that is given each semester to first year students or transfer students only during their first year at Wheaton. No academic credit is given for passing the exam but part of the First Year Writing requirement will have been met.

Option to Fulfill the Requirement without Academic Credit:

• The Writing Competency Exam is given each semester (on a date to be announced through email) and is open only to first year students and transfer students. Students have one opportunity to take the exam in the fall or spring of their first year at Wheaton. The cost of the exam is $30. After taking the competency exam, if students do not qualify to fulfill the First Year Writing requirement, they will be placed in ENGW 103 or ENGW 104 based on their score. Students who have not taken the exam during their first year at Wheaton MUST take either ENGW 103 or ENGW 104, based on previous test scores (see “First Year Writing” above). No academic credit is given for taking the Writing Competency Exam.
2. Oral Communication (0-4 Hours)
The Oral Communication requirement should be completed by the end of the sophomore year. If you have had extensive speech training or experience, take the oral competency exam offered by the Communication Department.

Options to Fulfill the Requirement:

- Pass oral competency exam offered by the Communication Department (offered every A quad), which consists of presenting a persuasive speech to a jury composed of one or more members of the Communication faculty (fulfills requirement; no credit)
- OR
- Take one of the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 101</td>
<td>Public Speaking</td>
<td>2</td>
</tr>
<tr>
<td>COMM 201</td>
<td>Fundamentals of Oral Communication (for COMM majors and minors only)</td>
<td>4</td>
</tr>
<tr>
<td>COMM 252</td>
<td>Argumentation and Debate</td>
<td>4</td>
</tr>
</tbody>
</table>

3. Foreign Language (0-12 Hours)

Students at Wheaton College shall demonstrate linguistic proficiency in either a modern or classical language to fulfill the Core Curriculum Language Competency Requirement. The requirement must be completed by the end of the junior year and can be achieved by one of the following means:

1. Language Study: Students may take and pass with a C- or above a semester-long (four-credit) course in a modern or classical language at Wheaton at the intermediate level (201) or above (upper division, 300-level) to satisfy the requirement.
   a. Unless beginning a new language at the 101-level, all undergraduate students who anticipate completing competency via language study must take a placement test and follow the recommendation of the Department of Modern and Classical Languages (MCL) in order to enroll in a modern or classical language course. Placement test results are valid for one year from the date of completion.
   b. For modern languages (CHIN, FREN, SPAN, and GERM), placement tests may be taken online at any time during the academic year. Register online at: https://www.wheaton.edu/academics/programs/modern-and-classical-languages/
   c. For classical languages (GREK, HEBR, LATN), course placement will be determined by a written placement test offered at the beginning of each academic semester. Contact the MCL Testing Coordinator to schedule a placement test in either Greek, Hebrew, or Latin.
   d. 100-level language courses serve as academic preparation for the intermediate-level, 201 course and may not be taken pass/fail, nor as an audit unless the Language Competency Requirement has already been completed.

2. Test Scores:
   a. Modern Languages:
      - Students who received a minimum score of 580 on a College Board SAT Subject Test with a reading component, a 3 or higher on an AP Exam, a 4 or higher on an IB Exam (Higher Level [HL]), or who have been awarded the Illinois State Seal of Biliteracy in an approved language, will have satisfied the requirement.
      - Students whose oral proficiency in a language other than English is assessed at the “Intermediate-Mid” level based on an American Council on the Teaching of Foreign Languages (ACTFL) test proctored by a faculty or staff member from the Department of Modern and Classical Languages will have fulfilled the language competency requirement.
   b. Classical Languages:
      - Students of Latin who received a minimum score of 640 on a College Board SAT Subject Test with a reading component, a 4 or higher on an AP Exam, a 5 or higher on an IB Exam (Higher Level [HL]), or who have been awarded the Illinois State Seal of Biliteracy for Latin, will have satisfied the Language Competency Requirement.
      - Students of Ancient Greek or Classical Hebrew who pass an MCL Department Language Competency Exam will have satisfied the Language Competency Requirement.
   c. Students who are attempting to fulfill the Language Competency Requirement via an LTI OPI or OPIc test (for modern languages) or by departmental competency exam (for classical languages) must do so before the end of the first year after matriculation at Wheaton. The test may be attempted only once to satisfy the requirement.

3. Transfer Credit: Matriculated students may transfer one intermediate-level (or upper division) modern or classical language semester course (completed and passed with a C- or above) from a four-year accredited college or university or two intermediate-level semester courses (both of which must have been completed and passed with a C- or above) from a two-year college to satisfy the requirement.
   a. Courses taken abroad may also be considered on a case-by-case basis with prior approval by the Department of Modern and Classical Languages.
   b. For first-year students, four hours from an intermediate-level dual enrollment course will be accepted if validated by an ACTFL OPI or OPIc rating of “Intermediate-Mid” via testing administered by Language Testing International (LTI) that is proctored by the Department of Modern and Classical Languages.
   c. Online modern languages courses are not accepted.

Exemptions from the Core Language Competency Requirement:
- International students (non-native speakers of English) who have fulfilled the English proficiency requirements for admission to Wheaton.
- Students who have completed four years of high school coursework (oral and written) in a language other than English (transcript validation required)
- Students with approved disability exemptions may take 12 hours of Global Perspectives (GP) tagged courses to fulfill the Language Competency Requirement.
Contact the Department of Modern and Classical Languages (https://www.wheaton.edu/academics/programs/modern-and-classical-languages) for further information.

4. Wellness (0-2 Hours)
All students should fulfill the Wellness requirement their freshman or sophomore year.

Meeting the Wellness Requirement:

• Most students will fulfill the Wellness requirement by taking AHS 101 during their freshman or sophomore year.
• Students demonstrating physical competency through participation in ROTC or Intercollegiate athletics may satisfy the Wellness requirement (fulfills requirement, no credit) by completing all the following:
  1. Complete the Wellness competency exam with a score of 70% or higher (this exam will include an essay of how wellness can be shaped by Christian faith and practice)
  2. Successful completion of one year of ROTC program OR one season of Intercollegiate athletics program
• Students who are not formal participants in ROTC or Intercollegiate athletics may satisfy the Wellness requirement (fulfills requirement, no credit) by completing all the following:
  1. Complete the Wellness competency exam with a score of 70% or higher (this exam will include an essay of how wellness can be shaped by Christian faith and practice)
  2. An activity log
  3. A dietary analysis
  4. A sleep log

Shared Core - (18-24 Hours)
The Shared Core fosters students’ developmental learning of the integration of faith and learning and liberal arts study. These common courses are required of all students as either prerequisites or as a required course which explore topics and cultivate skills valued in the development of Christian perspectives on all of life and learning. Shared Core courses are expected to be taken at Wheaton College. (Transfer students who have taken in-person courses at a residential Christian college may meet 2 of the BITH requirements with transfer credit.)

1. First Year Seminar: Enduring Questions (CORE 101, 4 Hours)
All first year students will take CORE 101 First Year Seminar: Enduring Questions in the fall semester. This course is intended to present a framework to help students understand the nature of a Christian liberal arts education and the integration of faith with learning. The First Year Seminar is composed of 2/3 shared content and 1/3 specialized content unique to the faculty member and course section.

Students will be able to:

• articulate how life in Christ shapes the way one addresses enduring questions (including “What is the good life?”) in conversation with alternative approaches.
• analyze significant factors that influence the development of character.
• articulate the value of Christian liberal arts education.
• explain the Gospel in light of the biblical narrative using basic theological vocabulary.

2. Old Testament (2-4 Hours)
To meet the requirement in Old Testament:

• Take BITH 211 Old Testament Literature and Interpretation, ARCH 211, BITH 221 or BITH 312

3. New Testament (2-4 Hours)
To meet the requirement in New Testament:

• Take BITH 213 New Testament Literature and Interpretation, ARCH 213 or BITH 317

4. Christian Thought (4 Hours)
To meet the requirement in Christian Thought:

• Take BITH 315 Christian Thought, BITH 318, BITH 374 or BITH 376

5. Advanced Integrative Seminar (CORE 3XX, 4 Hours)
Students should take the Advanced Integrative Seminar CORE 3XX (p. 109) after the First Year Seminar and before the Capstone Experience, ideally during their sophomore or junior year. The Advanced Integrative Seminar builds upon the work of the First Year Seminar and fosters advanced skills in Christian liberal arts learning. These courses focus on a complex topic that requires integrative perspectives and may encourage interdisciplinary work while modeling a sophisticated approach to the integration of faith and learning. Students will be expected to read, discuss, and write with rigor and increased maturity. They should demonstrate increasing independence and resourcefulness in the development of informed and committed Christian responses to the content and questions of each seminar’s topic.

Students will be able to:

• critically engage the ideas of vocation as they concern God’s general calling on all Christians, their calling as students, and the distinctive vocations each of them pursues.

6. Capstone Experience: Disciplinary Questions and Vocational Challenges (2-4 Hours)
Students will complete a Capstone course in their major, as designated by that department. The Capstone Experience allows students to pursue deep integration of their major and the concepts they have explored throughout the entire Christ at the Core curriculum. The Capstone Experience also considers how the First Year Seminar, the Advanced Integrative Seminar, and coursework in their major prepares them for their vocations after Wheaton.

Students will be able to:

• integrate their major’s discipline with their Christ at the Core learning.
• articulate how their understanding of vocation as it concerns God’s general calling on all Christians, their calling as students, and their distinctive vocational callings has developed while at Wheaton College.
• discuss how studying the Christian liberal arts has shaped their growth in knowledge, wisdom, and Christian character during their time at Wheaton College.

**Thematic Core (12-40 Hours)**

The Thematic Core offers broad exposure to the liberal arts while allowing for multidisciplinary courses. The Thematic Core courses encourage students to interact with disciplines across the academic spectrum while focusing on the integrative goals of a Christian liberal arts education and helping students develop a distinctly Christian understanding of creation, culture, and the pursuit of truth.

The Thematic Core requirement is fulfilled by taking one course from each theme (aka tag) unless otherwise noted. Courses that fulfill Thematic Core themes will have this designation in their course description. Some courses will have more than one tag.

**Themes**

- Applied Abstract and Quantitative Reasoning - AAQR
- Diversity in the United States - DUS
- Global Perspectives - GP
- Historical Perspectives - HP
- Literary Explorations - LE
- Philosophical Investigations - PI
- Scientific Issues and Perspectives - SIP
- Scientific Practice - SP
- Social Inquiry - SI
- Visual and Performing Arts - VPA

Take one 4-hr VPA course or two 2-hr courses with 2 different tags: VPAV (art), VPAM (music), VPAT (theater)

Courses may carry up to 2 Thematic Core tags. A maximum of three themes may be applied to meet both Thematic Core requirements and major requirements.

A maximum of 4 of the themes in the Thematic Core may be met with transfer credit for the general student population. However, transfer students entering with 60 or more credits may meet up to 6 themes with transfer credit. Each transfer course may only meet one theme as assigned by the Registrar's Office. Christ at the Core requirements for individual Music degrees are listed in the Conservatory of Music section (p. 230) of the catalog.

**Competency, Advanced Placement/Credit**

All prospective students are required to submit either ACT or SAT scores as a part of the admissions process. The writing subscores from ACT and SAT may be used to meet part of the competency requirements for writing.

Students commonly use the College Board SAT Subject Tests to waive college requirements although in most cases no college credit is given for them. Normally, students sign up for these examinations through their high school guidance counselors.

SAT II Subject Test scores will be accepted in fulfillment of the general education foreign language competency requirement only for incoming first year students and transfer students; SAT II scores for continuing students will be accepted in fulfillment of the competency requirement only if the exams were taken prior to enrollment at Wheaton.

The Advanced Placement (AP) tests may be used to earn college credit. They are typically taken by students after taking an AP course in high school.

Some courses taken as a part of the International Baccalaureate program can be used for college credit if a grade of 5 or higher was earned.

More specific information concerning the tests accepted and scores that are needed to waive a course or receive credit is available from the Office of the Registrar/Office of First Year Student Advising at Wheaton College.

**Transfer Credit**

Wheaton College welcomes students who wish to transfer from another college. Most credits earned at another accredited college will transfer to Wheaton if the courses are applicable to a liberal arts program. Courses of a vocational or technical nature or courses in which a grade below C- was earned are not transferable. College courses taken prior to high school enrollment are not transferable. Courses taken at an unaccredited college may receive some credit with the approval of the Registrar. The College reserves the right to decide the acceptability and applicability of degrees and credits earned at other institutions. Grades for credits accepted for transfer courses are not included when determining a student's cumulative grade point average at Wheaton.

A maximum of 40 credit hours earned prior to high school graduation may be applied to the undergraduate degree. Use of courses taken prior to college matriculation for major requirements will be at the discretion of the Academic Department.

Students who transfer credits from a community college can transfer a maximum of 62 semester hours of credit. Courses taken at two-year colleges may not be used to satisfy Wheaton's upper division course requirement.

Wheaton accepts credits earned by online/distance learning coursework with certain exceptions. Such work should be taken only from well-recognized programs through accredited institutions. Lab science, foreign language and public speaking courses must have in-person lab, speaking/listening, or speech presentations, respectively.

Accepting courses for transfer and applying them toward degree requirements are separate considerations. Courses may transfer as elective credits but not be applicable to specific requirements. Transfer students are expected to meet all graduation requirements and general education requirements as listed in the appropriate sections of the catalog. Students may be requested to supply specific course information for a department in order to receive transfer credit. In some cases, students may be requested to take additional courses if the department determines that the necessary areas of study were not included.

Transfer students seeking Illinois teacher certification are expected to take all required 300- and 400-level education courses at Wheaton. Exceptions may be granted with departmental approval.

Courses that have been taken more than eight years prior to transferring to Wheaton are subject to department approval for transfer if they are to be used to meet any general education, major, minor, or teacher education requirements.
Academic Information

Academic Majors

Some students are definite in their choice of a major when entering college although most students choose in the spring semester of their first year when registering for the sophomore year. Majors are available in a wide variety of disciplines. Refer to the Conservatory of Music section of this catalog for the Music majors. Refer to the Education section for information related to obtaining secondary education licensure.

- Anthropology
- Applied Health Science
- Art
- Biblical Archaeology
- Biblical and Theological Studies
- Biology
- Business/Economics
- Chemistry
- Chinese
- Christian Education and Ministry
- Classical Languages (Greek, Hebrew, Latin)
- Communication
- Computer Science
- Economics
- Elementary Education
- Engineering Dual Degree Program
- English
- Environmental Science
- French
- Geology
- German Studies
- History
- History/Social Science
- Interdisciplinary Studies
- International Relations
- Liberal Arts-Nursing
- Mathematics
- Music (seven majors)
- Philosophy
- Physics
- Political Science
- Psychology
- Secondary Education (second major only)
- Sociology
- Spanish
- Urban Studies

Within several of these majors, various specializations are available. For example, the art major includes concentrations (16 hrs) in art history, community art and missions, and studio art. For advising purposes, a department might suggest a special emphasis (8-15 hrs) of designated courses beyond the core courses for all majors. Those concentrations and emphases that are noted in the catalog will be noted on the student’s transcript.

Students must complete a minimum of 15 semester hours plus the capstone course in their major from Wheaton College, except in the case of Modern and Classical Language majors who complete their study-abroad requirement in an accepted non-Wheaton College program; these students must complete a minimum of 12 semester hours plus the capstone course in their major from Wheaton College.

Any baccalaureate degree requires the completion of at least one major. Within a single degree (BA, BS, or BM), a student may complete more than one major, provided that the areas are sufficiently distinct. At most, twelve hours of major coursework (not including supporting courses) may be counted toward any pair of majors. Combinations of majors that are not allowed include: Math and Applied Math; Environmental Science and Biology; Environmental Science and Geology; English with Literature Concentration and English with Writing Concentration; Biblical & Theological Studies and Biblical Archaeology; Political Science and International Relations; Business/Economics and Economics; Interdisciplinary Studies and a discipline represented in the Interdisciplinary Studies major. (This list is not exhaustive; please contact the Registrar's Office for questions on other combinations that may have strong overlap.) The requirement for credit hours completed at Wheaton College must be met for each major.

1 For information about double majors with the Conservatory, please refer to the Degree Requirement segment in the Conservatory section of the catalog.

There are programs designed to prepare students for medicine, dentistry, nursing, and other health professions. There also is a program available through the Military Science Department leading to a commission in the United States Army at graduation. Refer to Science Area Programs or the Military Science section for specific information about the programs.

Academic Minors

While not required for graduation, many departments offer academic minors which give students an opportunity to receive a concentration of course work in an area outside their major. A minor will be awarded only in an area that is distinctly separate from a student’s major. A minor will not be awarded in an academic area that is part of an interdisciplinary or integrative major. Up to eight hours of applicable course work can be counted for both a student’s major and minor. Supporting courses are not counted as part of these eight hours. Students must complete a minimum of eight semester hours in the minor at Wheaton. The minor GPA must be at least 2.00. Refer to the Arts and Sciences and Conservatory of Music sections of this catalog for specific requirements for minors.

Certificates

Wheaton allows undergraduate students to pursue vocational or multidisciplinary certificates which will be granted only upon the completion of a Wheaton College baccalaureate degree. Typically, such a certificate involves approximately 24 hours of coursework. Certificate coursework can count towards general education requirements (if applicable), a major, minor, and certificate. At least one-half of the hours for a certificate must be completed in residence at Wheaton. In order for a certificate to be awarded, a student needs a minimum gpa of 2.00 in the certificate courses and a minimum overall gpa of 2.00.

Each certificate program has a faculty or staff coordinator. A student interested in pursuing a certificate needs to complete a declaration of certificate form and file it with the registrar’s office; this will result in the certificate coordinator being assigned as the student’s certificate advisor.
Students should declare their interest in pursuing a certificate at least one year prior to their planned graduation date.

The following multidisciplinary certificates are available:

- Discipleship (See Christian Formation and Ministry)
- Early Christian Studies (see Biblical and Theological Studies)
- Gender Studies (see Sociology/Anthropology)
- Human Needs and Global Resources (see HNGR)
- Latin for Classical Christian Education (see Modern and Classical Languages)
- Mission Studies (see Sociology and Anthropology)
- Neuroscience (see Psychology)
- Peace and Conflict Studies (see Politics and International Relations)
- Pre-law (see Pre-law section)
- Religions of the World (see Biblical and Theological Studies)
- Worship Arts (see Conservatory of Music)

The following vocational certificates are available:

- Journalism (see Communication)
- Leadership (See Christian Formation and Ministry)
- Military Science (see ROTC)
- Youth Ministry (see Christian Formation and Ministry)

### Faculty Advisors

Each first year student is assigned to a faculty advisor who helps in orientation to campus life and in personal or academic concerns, including the choice of a major field. After deciding on a major field of study, which can be as early as the first semester of the freshman year, but no later than the end of the first semester of the sophomore year, the student is assigned to a departmental advisor, who offers assistance in academic and personal matters.

### Orientation

An orientation program is arranged at the beginning of each semester to acquaint new students with campus and with college life. It is imperative that incoming first year students and transfer students be present for orientation which includes sessions with faculty advisors and student leaders, testing, and informative programs.

### First Year Student Registration

During the summer, each incoming first year student receives through the mail a “Course Guide for First Year Student Registration” with instructions for making an appropriate selection of fall semester courses. Schedules are prepared in advance of the student’s arrival on campus. Freshman advisors are available during the time of orientation to assist students in making any needed revisions to their schedules.

### Advance Registration

Students who expect to enroll in the following semester must complete advance registration during the scheduled time. Financial accounts must be paid before students may advance register. Any student who, in the judgment of the administration of the College, does not recognize his/her responsibilities in the academic community will not be allowed to enroll in the following semester. If a student fails to meet academic qualifications for the current semester, the Registrar may cancel the advance registration after grades are reviewed.

### Student Course Load

All regular resident students are expected to register for the full semester with a minimum of 12 credit hours. A student must be registered for at least 12 hours to be considered a full-time student.

A normal load is 4 full semester courses (or 3 full courses and 1 quad course in each half of the semester).

Generally no more than 4 quad courses (2 in each half of the semester) should be taken in a 16-hour schedule. No more than 5 quad courses (3 in one half of the semester, 2 in the other half) may be taken without permission of the advisor and Registrar.

A student may enroll in an 18-hour schedule without special permission. However, students wishing to take over 18 hours must have their advisor’s and the Registrar’s approval. Students with less than a 3.0 cumulative grade point average should not seek such approval.

### Adding and Dropping Courses

All schedule changes must be made through the Registrar’s Office or using Banner Self Service (through first two weeks of semester only). No schedule change is complete until it has been submitted to the Registrar’s Office (or confirmed on Banner Self Service) by the prescribed deadline date. (See Registrar’s Calendar in this catalog.)

Full semester courses may be added only during the first two weeks of the semester; quad courses may be added only during the first week of that quad. Courses may be dropped during the first two weeks of the semester or quad with no transcript notation. After the second week, all courses dropped will be recorded as W (withdrawal).

Full semester courses may not be dropped after the twelfth week. Quad courses may not be dropped after the fifth week of the course.

A full refund is allowed for any difference in tuition charges due to reduced load when such a drop takes place during the first week or second week of the term. No refund is allowed thereafter.

An advisor’s signature is required for all undergraduate students on drop or add forms after the second week of the semester for full semester or A quad courses and after the second week of B quad for B quad courses.

### Pass/Fail Privilege

Juniors and seniors may enroll in elective courses on a pass/fail grading basis. Such work may not include courses in one’s major, minor, general education, certificate, or teacher certification requirements. Only 4 hours in any one term may be taken pass/fail (excluding those courses taught on a pass/fail basis only) and the total number of elective pass/fail courses may not exceed 16 hours. In order to receive a pass “P” grade, a student must receive a regular grade of C- or better. Therefore, the possible grades for a pass/fail course are P, D, or F.

A pass/fail request form may be filed at the Registrar’s Office prior to the end of the 12th week for a semester course or the 5th week of a quad course. (See Registrar’s Calendar for specific dates.) Once the 12th week (or 5th week) is past, the pass/fail option cannot be changed back to a regular letter grade option.

### Independent Study/Independent Research

Wheaton College provides the opportunity for students to do independent study or research when the student has demonstrated their competence in the academic discipline involved and shown the ability to study on
their own initiative. An independent study or research course must be approved by the supervising instructor, the instructor’s department chair and the Registrar’s Office. Independent studies may carry credit of between 1-8 hours, based on the catalog option for that department. Each credit hour registered carries the minimum expectation of 3-4 hours of engagement with the material per week (reading, research, writing, consultation), totaling 48-60 hours overall investment per credit hour registered. The student and instructor jointly complete the Independent Study/Independent Research Form and the student turns in the completed form, with all required signatures, to the Registrar’s Office. The deadline to register an independent study is not later than the end of the 2nd week of the term. All independent studies are registered for the full term and letter graded. In some cases the research/writing will carry over into the next term, in which case the grade will be listed as IP (in progress) until a final letter grade is assigned. Independent Studies to be carried out in a term the student is overseas requires the student to complete the GoGlobal process with the GEL Office in order to register.

**Tutorial**

Tutorials involve independent completion of a course in the regular curriculum of the college, using the same syllabus as the regularly offered course, with slight adjustment for assignments such as group projects. Regular meetings with the instructor are expected over the course of the term. Tutorials can be requested when a needed course is not being taught again prior to the student's anticipated graduation date, or a needed course is offered at a time that conflicts with another required course. Tutorial registration requires the instructor’s permission, and the consent of the department chair on the Application for Tutorial form. Tutorials require additional work for instructors, so requests may be approved or denied by an instructor. Lab Science tutorials are only allowed in a term when the course is being offered due to lab material and set-up logistics.

**Repeating Courses**

Students may repeat courses in which a D or F grade is received. Only two courses in which a C- or above is received may be repeated. No course shall be repeated after a subsequent course is taken (i.e. one for which the first is a prerequisite). Any appeal regarding these limits should be requested through the Academic Petition process. With repeated courses, only the second grade will count in the grade point average, but the original grade and course will remain on the student’s academic record. The Notification of a Repeated Course form is available in the Registrar’s Office.

**Audit**

Any student may audit up to two courses a semester by filing an approved audit application at the Registrar’s Office by the second week of the course. A $50 audit fee is charged per course. An audit does not meet any Wheaton requirement. No credit is given for courses audited. To have the audit recorded on a student’s transcript, the student is required to complete certain course requirements. In addition to the audit fee, any course fees will also be charged. Private lessons and independent studies cannot be audited. Students may not take any class for the purpose of preparing for the foreign language competency exam as an audit.

**Academic Petition**

Any student desiring an exception to academic requirements, published deadlines, or procedural policies may submit a written academic petition to the Registrar. Academic Petition forms are available in the Registrar’s Office. A petition should contain corroborating evidence of the extenuating circumstances that would warrant an exception to policy being granted. Petitions may be granted or denied.

**Withdrawal/Non-Returning**

Any student finding it necessary to withdraw from the College while currently enrolled in class must complete the withdrawal process and meet with the interim Dean of Counseling & Wellness. The Withdrawal/Non-Returning form is available at the Student Development Office (SSB 218). Students will also be provided a Withdrawal Checklist and must obtain signatures from the identified offices and then leave the completed checklist with the Registrar’s Office.

Students withdrawing from all courses between the third and twelfth week of classes, will have “W” (withdrawal) recorded on their transcript for those courses. A student who leaves the College during the semester without completion of the withdrawal process as described above will receive grades of “F” for incomplete courses and may forfeit all fees or deposits paid to the College. If a student is asked to withdraw or is dismissed for disciplinary reasons, a “W” will be recorded on the transcript for courses in which the student is enrolled. The regular refund policy applies for a student who is dismissed for disciplinary reasons.

Any Student not returning to the College after completing a term must complete the Withdrawal/Non-Returning form and return it to the Student Development office (SSB 218).

**Leave of Absence (LOA)**

The purpose of a Leave of Absence (LOA) is to provide students time away from Wheaton College for treatment of a medical or mental health condition that impairs a student’s ability to function successfully or safely as a member of the Wheaton College community. Wheaton College has designed this policy to ensure that students are given the individualized consideration and support necessary to address their particular circumstances. Please see the Student Development office (SSB 218) for the details of this policy.

**Approved Off-Campus Enrollment**

Any student who will not be housed or enrolled in classes on campus for one or two semesters may make application for approved off-campus enrollment for a professional internship or practicum, study abroad program, Council for Christian Colleges & Universities program, or Christian College Consortium enrollment. Students desiring off-campus enrollment must work with the Global and Experiential Learning Office and apply for this status via the Go Global (https://goglobal.wheaton.edu) website. When such approval is given, the student’s enrollment status is maintained for that term, and the student must return to the College after the deferred enrollment semester without reapplying to the Admissions Office. If not qualified for deferred enrollment, a student must complete the Non-Returning form with Student Development (SSB 218) and file a returning student application for readmission through the Admissions Office.

**Class Attendance**

Regular class attendance is expected of all students. A professor may excuse legitimate absences. It is the student’s responsibility to report such excuses to the professor in writing. Verification of legitimate excuses may be sought by a professor from appropriate sources. Excused absences may count toward the total number of absences allowed.
Classroom Demeanor
Appropriate classroom demeanor is expected of all students. A faculty member may remove any student from a class if the student exhibits uncivil conduct, which includes behavior that is disinterested, disengaged, disrespectful, disruptive, defiant, or disturbing.

Final Examinations
Final examinations must be taken as scheduled. No student is required, however, to take more than two examinations a day unless carrying five courses. Arrangements for any change of examination in such cases must be made in writing to the appropriate department chair with a copy to the instructor of the course no later than the Friday before examinations begin. Evening and late afternoon classes have examinations at their last regular class session unless otherwise announced. The specific final exam schedule is printed in the course schedule and is available on the Web at https://www.wheaton.edu/Academics/Services/Registrar/Schedules.

Classification of Students

<table>
<thead>
<tr>
<th>Classification</th>
<th>Credits Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>1-29 credits earned</td>
</tr>
<tr>
<td>Sophomore</td>
<td>30-59 credits earned</td>
</tr>
<tr>
<td>Junior</td>
<td>60-89 credits earned</td>
</tr>
<tr>
<td>Senior</td>
<td>90 plus credits earned</td>
</tr>
<tr>
<td>Special</td>
<td>Students who have not been accepted for a regular degree program.</td>
</tr>
</tbody>
</table>

Grading System
Ten grades are given for passing work, with significance as follows: A, distinctive; A-, B+, B, superior; B-, C+, C, acceptable; C- and D, inadequate; P, satisfactory, no grade assigned.

Grade points are granted on the following basis:

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4 grade points per hour</td>
</tr>
<tr>
<td>A-</td>
<td>3.7 grade points per hour</td>
</tr>
<tr>
<td>B+</td>
<td>3.3 grade points per hour</td>
</tr>
<tr>
<td>B</td>
<td>3 grade points per hour</td>
</tr>
<tr>
<td>B-</td>
<td>2.7 grade points per hour</td>
</tr>
<tr>
<td>C+</td>
<td>2.3 grade points per hour</td>
</tr>
<tr>
<td>C</td>
<td>2 grade points per hour</td>
</tr>
<tr>
<td>C-</td>
<td>1.7 grade points per hour</td>
</tr>
<tr>
<td>D</td>
<td>1 grade point per hour</td>
</tr>
<tr>
<td>F</td>
<td>0 grade points per hour</td>
</tr>
</tbody>
</table>

The grade of F is given for unacceptable work. No credit is earned except by repeating the course. The failure remains on the permanent record of the student.

Courses officially dropped during the first two weeks of the term are not recorded. After that time the student will receive a W (withdrawal) grade for all courses which are dropped by the drop deadline. The W grade does not affect the student’s grade point average.

A student should resolve any questions about grades as soon as possible after grades have been received. A student has four months from the day grades are issued to question the grade earned. After that date grades will be considered final. Within the four-month period, a grievance by the student should be resolved with the instructor of the course. See the Student Handbook for the grievance procedure. Under no circumstances may a student’s grade be raised by doing additional work or correcting work already done after a grade has been reported.

Incomplete Grades
An incomplete grade (INC) may be assigned only for deficiencies as the result of illness or situations beyond the control of the student and not because of neglect on the part of the student. The Incomplete Grade application is available in the Registrar’s Office and requires instructor’s and Registrar’s approvals. The filing deadline for the form is the last day of finals (or last day of quad for A quad courses). An incomplete grade must be made up by the end of the sixth week from the end of the course. If the course is not completed within the six-week time limit, a grade of F will be assigned. The six-week time limit may be extended only by special permission of the Registrar and approval of the instructor. Students must submit an academic petition for an extension before the six-week time limit is up. In no case may an incomplete be extended beyond six months from the end of the semester. An incomplete (INC) grade will not affect the student’s grade point average. However, when the course is completed and a grade assigned, that grade will be included in the student’s grade point average. An INC grade makes an undergraduate student ineligible for the Dean’s List. Once the drop deadline has passed, a class cannot be dropped after an incomplete has been entered.

In-Progress (IP) grades will be given when work cannot be completed by the end of a semester for course work such as an Independent Study (495), Internship or Practicum (496-499). The completion deadline for finishing the work in order to receive a grade will lie with the professor. The IP grade will not affect the student’s grade point average. However, when the course is completed and a grade assigned, that grade will be included in the student’s grade point average.

Integrity of Scholarship
By affirmation of the Wheaton College Community Covenant, all students, faculty, and staff are expected to understand and subscribe to the ideal of academic integrity and to take personal responsibility and accountability for their work. Academic dishonesty is a serious offense against an academic community and against the standards of excellence, integrity, and behavior expected of its members. Academic dishonesty degrades the educational and research mission of the College. Truth and honesty are to be followed in all academic endeavors, including the taking of examinations and in the preparation of class reports and papers. Areas of concern related to academic integrity include plagiarism, cheating, fabrication of information or data, unauthorized collaboration, lying, defrauding, misrepresentation, or deception related to assigned or voluntary academic work. The definition of academic dishonesty, the method for reporting violations, and the procedures of the disciplinary process are stated in the “Policy on Academic Honesty” in the Student Handbook, available in the Student Development Office.

Gender Inclusive Language
For academic discourse, spoken and written, the faculty expects students to use gender inclusive language for human beings.

The policy is both theological and missional.
Evangelical Christians continue to have differences about how to interpret scripture in reference to many questions about what it means to be male and female, but we are united in the affirmation that both men and women are fully human, created in the image of God (Genesis 1:27).

The college seeks to equip students for service in the world for Christ. Students need to be ready to communicate in that world. We want our students to succeed in graduate school, in the corporate world, and in public communication, all settings in which gender inclusive language for human beings is expected and where the inability to use such language may well be harmful to the Christian witness.

Evangelical Christians are not separatists. Missionally, we have long been committed to being in the world and in the broader culture, following the example of Christ our Lord who does not “belong to the world” but who was sent into the world by the Father and so sends us (John 17:14, 18). We are commanded to be in the world for the sake of the gospel. Paul counsels Christians in Corinth to attend to the consciences of others giving “no offense to Jews or Greeks” (1 Cor 10:32). Paul also draws on the doctrine of the goodness of creation (1 Cor 10:26), reminding the church in Corinth that it will not be polluted by engagement in the world because the world is God’s.

Language remains fluid, and professors should discuss specific guidelines for practice with students.

Helpful resources for practice include:


The policy does not apply to language used for God nor does it require any rephrasing of quotations. The policy does not imply answers to contested questions about the best standards for biblical translation.

**Scholastic Honors**

To encourage scholarship and culture, the following scholastic honors are recognized at Wheaton College:

**DEAN’S LIST HONORS.** Awarded each semester to students carrying 12 or more hours and making a semester grade point average of 3.5 or higher.

**GRADUATION HONORS.** Academically outstanding seniors receive graduation honors. To graduate cum laude, a student must have earned at least a 3.5 cumulative grade point average at Wheaton; magna cum laude, at least a 3.7 average; and summa cum laude, a grade point average of 3.85 or higher.

**Departmental Honors Programs**

Some departments offer departmental honors recognition for high-achieving students within their major(s). Students wishing to pursue departmental honors must achieve the following minimum criteria:

- A minimum cumulative gpa of 3.50
- A minimum major gpa of 3.70

- Complete an application in the department for the honors program during the student’s junior year
- Complete 4-8 hours of courses designated as honors courses including an honors research/thesis project (course number 499). Most departments will also require an oral defense.

The pursuit of departmental honors is at the discretion of the department and additional requirements may be imposed at the discretion of the department. Students interested in pursuing departmental honors should speak with the chair of their major department.

Students who begin an honors thesis but do not qualify for departmental honors upon its completion may appeal via Academic Petition to have the thesis converted to an independent study.

Students successfully completing all requirements for departmental honors will have the award noted on their transcript. In order for department honors to be included in the commencement program, the oral defense/thesis must be completed by April 15, and verification received by the Registrar’s Office from the department by April 25.

**Honor Societies**

WHEATON COLLEGE SCHOLASTIC HONOR SOCIETY. The faculty each year selects a limited number of students for membership in the Scholastic Honor Society. Selection is made on the basis of high scholarship, Christian maturity, and general promise.

ALPHA KAPPA DELTA, the national sociology honor society is open to students of sociology (majors and minors) in recognition of high achievement. The name of the honorary denotes its purpose: social research for the purpose of service. Alpha Kappa Delta sponsors meetings and activities for interested students.

ETA BETA RHO is a national honor society for the recognition of outstanding ability and attainment in the Hebrew language and literature.

LAMBDA ALPHA, Illinois Beta Chapter, is a national honor society for the recognition and promotion of excellence in the study of anthropology. It is open to sociology/anthropology majors and minors.

LAMBDA PI ETA, established by the National Communication Association, is an honor society in communication. Junior and senior students with at least 12 credit hours in communication courses and high academic standing are eligible.

OMICRON DELTA EPSILON is a national honor society for the recognition and promotion of excellence in the study of economics.

PHI ALPHA THETA is the international honor society in history. Students of high academic standing and with honor grades in 12 or more hours of history are eligible.

PHI SIGMA TAU, Illinois Beta Chapter, is open to students who have a live interest in philosophy and who have done superior work in at least two philosophy courses. Its varied program includes off-campus speakers, as well as the discussion of papers prepared by members.

PI GAMMA MU, the Illinois Eta Chapter, is open to students having high standings in subjects in the social science field.

PI KAPPA DELTA is a national honor society in forensics to provide recognition for individual achievement in oral communication. Individuals with experience in intercollegiate competition in debate, public speaking, and the performance of literature are eligible for membership.
PI SIGMA ALPHA, the national political science honor society, is affiliated with the American Political Science Association. High academic achievement and the completion of ten or more hours of political science are required for membership consideration. The Wheaton chapter promotes dialogue on issues related to the study and practice of politics.

PSI CHI is the national honor society in psychology. An affiliate of the American Psychological Association, its purpose is to encourage, stimulate, and maintain scholarship in the science of psychology.

SIGMA PI SIGMA is a national honorary physics society. The standards for membership in the local chapter are high scholarship, a life consistent with the ideals of Wheaton College, and a genuine interest in physics. Any student taking a second upper-division physics course may be considered for membership.

THETA ALPHA KAPPA is a national honor society that recognizes academic excellence in baccalaureate and post-baccalaureate students and in scholars in the fields of Religious Studies & Theology. Students who have completed three semesters and who have earned a 3.5 GPA in Biblical Studies and/or Theology and a 3.0 GPA overall are welcome to join.

**Academic Probation/Dismissal**

Students are expected to pass enough hours and maintain a grade point average sufficient to be considered as making satisfactory academic progress. A student’s academic status will be checked at the end of each semester and at the end of summer school. The following policy will be used to determine academic status.

**Academic Warning** — When a student’s grade point average for a semester is below 2.00 but the cumulative average is above the academic status scale requirement, the student will be placed on academic warning for the following semester.

**Academic Probation** — When a student’s cumulative grade point average falls below the appropriate level of good standing on the academic status scale, the student will be placed on academic probation for the following semester. Any full-time student who does not pass 12 semester hours or fails to make a 1.25 average in any semester is subject to being placed on academic probation. Any part-time student (enrolled for less than 12 credits during a semester) who does not pass three-fourths (3/4) of the credits in which s/he was enrolled or fails to make a 1.25 average in any semester is subject to being placed on academic probation. Students on academic probation cannot participate in intercollegiate athletics. Participation in leadership positions in extracurricular activities will be subject to the approval of the Student Development Office. Students who withdraw in the midst of a semester will not be assessed for academic standing on the basis of attempted/completed hours. If any courses are completed, the academic status of the withdrawn student will be assessed against the GPA standards for semester and cumulative gpa. The financial policies related to refunds for students dropping classes during the term are not impacted by this policy.

**Academic Status Scale**

<table>
<thead>
<tr>
<th>Hours Attempted 1</th>
<th>Good Standing</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-19</td>
<td>1.70</td>
</tr>
<tr>
<td>20-39</td>
<td>1.80</td>
</tr>
<tr>
<td>40-59</td>
<td>1.90</td>
</tr>
<tr>
<td>60-above</td>
<td>2.00</td>
</tr>
</tbody>
</table>

1 Including transfer credits.

**Appeal of Academic Probation** — A student with ADA documentation on file with the Learning and Accessibility Services Office who is placed on Academic Probation may appeal for a status change to Academy Warning if they meet the Academic Status Scale for GPA and passed three-quarters (3/4) of a minimum of 8 completed hours in the term, but failed to pass 12 hours in the term. The petition form is available in the Registrar’s Office and will be acted on by the Academic Policies Committee. The appeal must be submitted within 2 weeks of receipt of notice of Academic Probation status, bear the recommendation of the Learning and Accessibility Services office, and include corroborating evidence of the extenuating circumstances that would warrant an exception to policy being granted. An appeal may be granted or denied.

**Continuation of Academic Probation** — If for the probationary semester the student’s grade point average is above the academic status scale but the cumulative average is still below the academic status scale, the student will be continued on academic probation.

**Removal from Academic Probation** — A student will be removed from academic probation at the end of the semester when the cumulative grade point average meets the academic status scale.

**Academic Dismissal** — A student on academic probation whose grade point average for the probationary semester is below the academic status scale is subject to academic dismissal. Full-time students whose cumulative grade point average meets the academic status scale but who do not pass 12 hours for two consecutive semesters are also subject to academic dismissal. Part-time students who do not pass three-fourths (3/4) of the total credits attempted at Wheaton College are also subject to academic dismissal. Students dismissed may apply for readmission after one year has elapsed. When applying for readmission, the student will be asked to present evidence of potential academic success. This action is recorded on the student’s academic record.

**Appealing Academic Dismissal** — A student who wishes to request an exception to dismissal status must do so within three days from the time the dismissal notification (written or verbal) is received. The student must file a written petition with the Registrar’s Office stating the reasons for the appeal. The appeal will be acted on by the Academic Policies Committee of the College. Students who also wish to appeal their financial aid status should do so with the instructions provided below.

**Financial Aid Status**

Students must maintain satisfactory academic progress in order to receive financial aid. Satisfactory academic progress is reviewed at the end of each semester, including summer. When a student is placed on academic probation status, financial aid will still be awarded for one additional semester, and the student will be placed on financial aid warning. When a student qualifies for academic dismissal, financial aid will not be awarded. If, therefore, a student appeals a dismissal status and the appeal is granted, the student will also be allowed to petition to be placed on financial aid probation for one semester. Such a petition may be granted or denied, and the student must demonstrate extenuating circumstances and propose actions to remediate the probation status. Such extenuating circumstances that will be considered include events such as death of a relative, injury or illness of the student, or other extraordinary circumstances that have significantly affected the student’s ability to achieve academic success.

If a student receiving financial aid has appealed an academic dismissal and is granted an exception to dismissal, they must submit an appeal for
Financial Aid probation in order to be eligible to receive financial aid. See Student Financial Services for more information on this appeal process.

If a student who has been dismissed applies at a later date for readmission and the application is granted, the student will enroll on a probation status but will not be eligible for financial aid until the dismissal conditions have been remedied or unless a petition to be placed on financial aid probation is granted. Such a petition may be granted or denied, and the student must demonstrate extenuating circumstances (as cited above) and propose actions to remediate the probation status. The normal expectation is that the dismissal conditions would be remedied at another acceptable college by repeating courses in which low grades were received at Wheaton.

In addition to meeting the College's satisfactory academic progress scale for GPA and hours passed in a semester, full-time enrolled students must meet the following credit hour progress scale to continue to receive financial aid:

<table>
<thead>
<tr>
<th>Semesters Completed</th>
<th>Hours Earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>24</td>
</tr>
<tr>
<td>4</td>
<td>48</td>
</tr>
<tr>
<td>6</td>
<td>72</td>
</tr>
<tr>
<td>8</td>
<td>96</td>
</tr>
<tr>
<td>10</td>
<td>124</td>
</tr>
</tbody>
</table>

**Involuntary Leave Policy**

It is the policy of Wheaton College to foster a campus environment that is conducive to learning, promote the College's educational purposes, maintain reasonable order, and protect the rights and physical safety of all members of the College community. In extraordinary circumstances, the College may place a student on an involuntary leave of absence or take other appropriate action for reasons of personal or community safety. Such circumstances may include but are not limited to, engaging in physical or sexual violence, activity involving illegal drug or other controlled substances, disruptive conduct, conduct that threatens the physical safety of others, or conduct that demonstrates an inability to care of oneself.

The procedure will be initiated only (1) after reasonable attempts to secure a student's voluntary cooperation for a medical or psychological evaluation or leave of absence have been pursued; or (2) if a student refuses to agree to, or does not adhere to reasonable conditions established for their continued presence on campus, or continued presence in college housing or other college program or activity.

The Involuntary Leave Policy applies to both undergraduate and graduate students of the College and to all College locations, programs, and activities. A full description of the policy is available from the Student Development office (SSB 218).

**Academic Transcripts**

All requests for academic transcripts must be made in writing to the Office of the Registrar (https://www.wheaton.edu/about-wheaton/offices-and-services/office-of-the-registrar/transcript-request). Transcripts will not be released to currently enrolled students and former students who have not paid their college bills in full or who are delinquent in loan repayments. Students have four months from the end of a term to question their transcript entries for that term.

**Official Communication**

Wheaton College uses Banner Self Service, a component of the College's administration database system, and College-administered student email accounts for official communication between students and administrative offices.

**Banner Self Service**

Banner Self Service provides online registration for classes, and communication of class schedules, grades, student account balances, and financial aid information. Students access Banner Self Service through the Wheaton Portal at https://portal.wheaton.edu. Data encryption and user authentication protect students' personal information.

**Electronic Mail**

Students are given College email accounts upon acceptance. Official notifications will be sent to these accounts. Students are responsible for reading their College email, and must use their College email accounts in official correspondence to ensure proper identification.
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Course Information

Numbering
100- and 200-level courses are primarily for freshmen and sophomores. 300-level courses are for juniors and are not open to freshmen without specific approval. 400-level courses are for seniors and are not open to freshmen. Courses numbered 300 and above are considered to be upper division courses. Graduate courses are numbered from 500-899. A limited number of suitably enriched undergraduate courses (300-499), with approval of the graduate student’s advisor and the instructor of the course, can be applied toward a master’s degree.

Courses ending in 1-9 are regularly offered courses; 494 courses are senior seminar/capstone courses; 495 courses are independent study; and 496 courses are internships. Courses ending in "0" are experimental courses and their descriptions are not in this catalog, but these are described in the course schedule booklet.

Credit and Term
All courses are four semester hours unless otherwise designated. Half-courses (Quads) usually meet for only half of the semester and carry two hours credit. Some half-courses are offered for the full semester and are designated as linear (lin), with no quad designation in the course schedule.

The letter "x" indicates that a course is also offered in another department and carries credit in either department. Courses offered only in a particular semester are designated F (fall), S (spring), or Su (summer). Courses offered in alternate years are also so indicated.
Anthropology and Sociology

The Department of Sociology and Anthropology wants students to understand themselves as embedded within and products of social and cultural contexts. Our students are trained to have the relational and analytic tools to operate effectively within the social complexity of our dynamic world and engage people cross-culturally, both in America and abroad. Students will become critical thinkers, addressing social problems and cultural analysis through theory, data, and practical solutions.

The general goal of the department is to develop a biblical foundation for understanding social interaction both within and across cultures. The Sociology faculty recognizes the need to communicate the gospel of Jesus Christ at several levels of social interaction. The micro level involves face-to-face communication, for example, in marriage and the family; the middle-range level reflects activities in organizations or social movements; and the macro level presents issues of culture and societal structures. At each level, social processes such as socialization, stratification, urbanization, and social disorganization are examined. The Anthropology faculty emphasizes both the particularities of varying cultural systems, as well as the universal characteristics of humans made in the image of God. Recognizing culture as a set of only partial solutions to human problems, Wheaton's Anthropology faculty also examine the ways the Gospel and culture can operate jointly to explain human adaptations in different societies. Similarly, anthropology's exploration of human universals is based on a distinctively Christian perspective, combining a biblical orientation with empirical precision.

Faculty
Chair, Associate Professor  Brian Miller
Professors  Henry Allen, Brian Howell
Associate Professors  Henry Kim, Amy Reynolds
Assistant Professors  Christa Tooley, Christine Jeske

Programs
• Sociology Major (p. 219)
• Sociology Minor (p. 220)
• Social Work Minor (p. 220)
• Family Studies Minor (p. 220)
• Social Action Minor (p. 220)
• Anthropology Major (p. 220)
• Anthropology Minor (p. 221)
• Gender Studies Certificate Program (p. 222)
• Mission Studies Certificate (p. 223)

Courses

SOC 115. Introduction to Sociology. (4 Credits)
An overview of the theory, methodology, and conceptualizations of the discipline of sociology. Offers the opportunity to develop an understanding of American society and the diversity within it.
Tags: DUS, SI

SOC 116. Introduction to Sociology. (4 Credits)
An overview of the theory, methodology, and conceptualization of the discipline of sociology. Offers opportunity to develop an understanding of society in the United States and beyond.
Tags: SI

SOC 228. Sociology of Sexuality. (2 Credits)
This class will explore issues of identity as sexual individuals, the role of sexuality in our broader society, and the linkages between sexuality and violence. As sexuality affects both individuals and the larger society, this class aims to equip and challenge students in building a positive and God-honoring conception of sexuality in their own lives and their engagement in the world. Prerequisite (or requisite): Open to sophomores, juniors, and seniors.

SOC 238. Contemporary Social Concerns. (2 Credits)
An in-depth seminar focusing on major concerns of society, such as: problems of youth, the elderly, AIDS, homelessness, human rights, prison reform, and toxic waste.

SOC 241. Social Psychology. (4 Credits)
See PSYC 241.
Tags: SI

SOC 251. Culture, Media, and Society. (4 Credits)
Americans are surrounded by the culture and media: television, movies, music, stories and narratives, the Internet and Facebook, cultural norms and values, advertising and more vie for our attention each day. How are these social forms generated and sustained? How do we make sense of them from a sociological and Christian perspective? Students will learn and apply three analytic approaches to culture (repertoires, production, and narratives) as they consider how everyday interactions with culture and media affect Evangelical life. Note: This course does not fulfill the entire VPA theme and covers only the domain of visual arts.
Tags: SI, VPAV

SOC 321. Sociology of Economic Life. (4 Credits)
In an era of growing economic inequality, this course employs a sociological approach to ask questions about social construction of markets and the moral meanings within them. The goal of the course is to empower students in their roles as economic agents, as well as help them understand the broader structures in which they are engaged.

SOC 325. Violence in Minority Communities. (2 Credits)
Night after night in most urban communities, local news media reveal stories of horrific violence in urban areas. Some of these events are related to gang activities, drug trafficking, turf wars, guns and random shootings. Costs (human and financial) are staggering for authorities in law enforcement, the criminal justice system, the healthcare systems, prisons, as well as, families, communities, schools, and the nation. Many international studies regard the United States as the most violent nation on earth. Why do these conditions exist or persist? What can be done about them, from a Christian perspective? Where are churches relevant? These issues and questions will be addressed in this course from a variety of domains intersecting the sociological perspective and public health.

SOC 327. Violence Against Women. (2 Credits)
All over the world, violence is used to control or harm women and girls. In Criminology, issues related to domestic abuse, rape, sex trafficking, abduction, and sexual homicide are core to the social problems engulfing societies. In Sociology, violence against women involves the corruption and distortion of gender roles via socialization, discrimination, and power. This course analyzes the most rigorous research plus best practices in sociology and criminology (as well as related fields) in order to prevent violence against women in the church and society.
SOC 337. Racial and Ethnic Relations. (4 Credits)
Sociohistorical and cultural aspects of race and ethnicity in America. Through class discussion, films, and research about minority cultures, students explore and examine such sociological concepts as assimilation, conflict, and pluralism. Prerequisite: SOC 115 or SOC 116 and sophomore standing or above, or consent of the instructor. Tags: DUS

SOC 341. Social & Political Movements. (4 Credits)
Social movements challenge political, economic, and social systems through collective action. We will discuss why social movements occur, how actors become involved, their relationship with the state, and the resources needed to sustain and grow such movements. Using a case study approach, students examine particular social actors and differing views of justice, while being encouraged to further develop their own conception of biblical justice in society.

SOC 347. Gender & Society. (4 Credits)
What does it mean to be male or female? Why do we have these categories? How does gender matter in society? In this class, we focus on unpacking the concept of gender, and investigate the role of social institutions in constructing gender roles and contributing to gender inequalities. There is also an emphasis understanding how issues of gender intersect with those of class, race, and culture.

SOC 355. Social Class & Inequality. (4 Credits)
An examination of the theories and explanations of the origins and perpetuation of social inequality, class, and stratification. Consideration of both classical and modern perspectives, as well as explanations of the relationship among stratification, status, occupation, and mobility; descriptions of various class characteristics and an examination of selected relationships between class and other areas of social participation.

SOC 356. The Family. (4 Credits)
A sociological approach to the practices that exist within families, the relationships between family members, and the social influences that shape the decisions of families. This course will challenge students to think about how religious institutions and politics can strengthen families and individuals within them.

SOC 359. American Suburbanization. (4 Credits)
This course examines how and why American suburbs became the home of a majority of Americans and important centers for economic and cultural life. Emphasis will be placed on understanding and researching nearby suburbs (Wheaton and surrounding communities) and how Christians might respond to suburbia.

SOC 364. Urban Sociology. (4 Credits)
Growth and patterning of city life; social relations and social institutions in the city; examination of urban problems and proposed solutions. Prerequisite: SOC 115 or 116 or consent of the instructor.

SOC 366. Sociology Of Religion. (4 Credits)
Religion as a social phenomenon and its functions for the individual and society. Focus upon religious socialization, measurement of religious behavior, and variety of religious roles; includes organizational forms and relationships to other social institutions. Prerequisite: SOC 115 or 116 or consent of the instructor.

SOC 367. Crime & Delinquency. (4 Credits)
The incidence, nature, and development of crime and delinquency in America; methods of control, treatment, and prevention, including current research and innovations in approaching juvenile and adult offenders. Prerequisite: SOC 115 or 116 or consent of the instructor.

SOC 371. Asians in America. (4 Credits)
This course is designed to help students understand the diversity and histories of “Asian” Americans with a focus on the post-1965 waves. In addition to understanding Asian Americans from sociological and historical categories, we will also examine religion in the Asian American experiences.

SOC 373. Sociology of Education. (4 Credits)
Examines the social role of education in postindustrial societies. Different types of schools and their effects on academic achievement are examined, and students are encouraged to participate in the growth and development of schools where possible. Christian perspectives on education, learning, and schools are emphasized. Prerequisite: SOC 115 or 116 or consent of the instructor.

SOC 376. Sociological Theory. (4 Credits)
A survey of social thought of classical theorists, such as Weber, Durkheim, and Marx, as well as an overview of contemporary social theory. Addresses the various theoretical perspectives, as well as the current lack of consensus in social theory.

SOC 383. Statistics. (4 Credits)
An introduction to statistics common in social research. Topics include descriptive and inferential statistics, hypothesis testing, significance, correlation, analysis of variance, and multiple regression. Emphasis is on application and effectively using a common statistical program (SPSS). Tags: AAQR

SOC 385. Social Change. (4 Credits)
What forces contribute to social change? In this class, we examine some of the changes that have occurred and are occurring throughout the world that impact the ability of people to live lives of human flourishing. We will explore some of the socio-historical contexts related to social change, such as political forces, economic markets, technological innovation, and demographic and population changes. Students will have an opportunity to focus on contemporary issues related to social change in a specific country of interest. Students will also reflect on a number of different Christian theological documents on globalization, and develop their own faith perspective on what it means to follow Christ in a globalized world. Tags: GP SI

SOC 399. Social Network Analysis: Theory and Methods. (4 Credits)
Social network analysis is at the core of sociology in the 21st century, with international implications in education, law enforcement, and many other fields. A vast arena of research possibilities currently exists for using social networks to study churches, denominations, parachurch ministries, academic institutions and communities of all kinds. This course examines the history, components, and applications of social network analysis. Using Mathematica, students will complete supervised research projects using methods in social network analysis.

SOC 412. Advanced Topics in Sociology. (2 Credits)
This course is aimed at students capable of or interested in graduate level study. There will be a specific theme for each semester of the course, and these will not be repeated two years in a row. Some possible examples include advanced methodology, gender and international development, and immigration and policy.
SOC 414. Advanced Topics in Sociology. (4 Credits)
This course is aimed at students capable of or interested in graduate level study. There will be a specific theme for each semester of the course, and these will not be repeated two years in a row. Some possible examples include mathematical sociology, advanced methodology, historical and comparative sociology, economic and organizational sociology, and social network analysis. Prerequisite: SOC 376 or SOC 383 or permission of instructor.

SOC 482. Social Research. (4 Credits)
Introduces students to techniques and methods for scientific research in the social sciences including surveys, experiments, field research, coding, and more. A cumulative project follows the steps of producing social science research including developing a research question, writing a literature review, and explaining the use of data and methods. Corequisites or Prerequisites: SOC 115, 116; SOC 376, 383, or consent of the instructor.

SOC 492. Thesis Research. (4 Credits)
Students will work closely with the faculty advisor to collect and analyze data, write a senior thesis paper, and present their research in a public setting. They will also work with other students to workshop papers. Required for the sociology major. Prerequisite: SOC 494

SOC 494. Senior Capstone. (4 Credits)
A capstone seminar focusing on the integration of sociology and Christianity. Examination of the philosophies, literature, and research of selected problem areas in the discipline. Recommended for seniors. Prerequisites: SOC 115 or 116; SOC 376 or consent of the instructor.

SOC 495. Independent Study. (1 to 4 Credits)
Guided reading and research for the advanced major or research internship in ongoing institutional or faculty research. Formal student proposal required.

SOC 496. Internship in Sociology. (4 or 8 Credits)
Credit given in connection with internship assignment in social research, criminal justice, law, urban ministries, urban planning, or social policy. Offered as a block placement for an entire semester on or off campus (in the Chicago area). Sociology majors may apply eight hours of internship credit toward one sociology elective course. See department for details, including course prerequisites.

Anthropology Courses

ANTH 116. Introduction to Anthropology. (4 Credits)
This course is an introduction to the discipline of anthropology, with particular focus on the methods, theory and conceptual framework of cultural anthropology. All topics will be addressed in anthropological, historical and comparative sociology, economic and organizational sociology, and social network analysis. Prerequisite: SOC 376 or SOC 383 or permission of instructor.

ANTH 282. Culture, Travel and Tourism. (2 Credits)
Tourism and other forms of international travel have become important sites of anthropological inquiry as increasing numbers of people have their most significant cross-cultural experiences through the travel industry, either as participants or providers. This course will explore the anthropological literature around these phenomena, with a focus on the consequences of such travel for the construction of culture and cultural differences.

ANTH 319. Colonialism and Redemption: Native American Culture and Theology from 1492 to Wounded Knee. (2 Credits)
An interdisciplinary course designed to explore the Native American experience through the lens of historical anthropology and theology. The course explores the experience and perspectives of the Native inhabitants of "Turtle Island" from the beginning of the colonial era up to the present day. The course also examines the role of Scripture, theology, and the Church during the time of European expansion across North America and the current relationship between First Nations peoples and Christianity, including developments in Native Christian theology. Meetings with Native Americans are part of the course. The themes of "colonialism" and "redemption" will bind together this theological, anthropological, and personal exploration.

ANTH 324. Anthropology of Global Christianity. (2 Credits)
This course explores the diverse manifestations of Christianity around the globe. Using anthropological theory and method, particular attention will be paid to the non-Western church, exploring the relationship between the Gospel and culture around the world.

ANTH 331. Cultural Immersion Experience. (0 Credits)
A department approved cultural immersion experience.

ANTH 341. Consumption and Material Culture. (2 Credits)
This class integrates the relationships between people and the things they consume. In particular, it is interested in the ways in which identities and relationships are generated through the processes and events of consumption. Case studies will be drawn from multiple national and international contexts and will highlight the embeddedness of these processes within the larger social and cultural systems.

ANTH 342. Food, Farms, and Culture. (4 Credits)
This course is an exploration of the farming systems, consumption practices, and cultural patterns that intertwine in the United States. We ask what it means to seek the Kingdom of God throughout food production and consumption in the United States, seeking environmental justice; racial, ethnic, and class equity in food access and production; equity in rural and urban places; well-being for workers; health for human bodies; and the joys of communing around food.

Tags: DUS

ANTH 353. Biculturalism. (4 Credits)
Principles of anthropology that highlight understanding of, and adapting to, other cultures, with focus on the problems of cross-cultural adaptation and ministry for the Christian. Relevant for HNGR interns, missions, CE, and Biblical Studies majors, and all who are interested in cross-cultural work.

Tags: DUS, GP

ANTH 354. Culture in the Contemporary World. (4 Credits)
Exploring how "culture" relates to identity, interpretation of Scripture, and the practice of the Christian life, this course provides students with an understanding of basic anthropological approaches to culture and how those approaches relate to contemporary issues such as racialization, language ideology, conceptions of gender, neocolonialism, and missions. Requires sophomore standing and above or consent of instructor.

ANTH 361. Medical Anthropology. (2 Credits)
Cultural differences in conceptions of illness and health care, and the processes of change in medical systems throughout the contemporary world. Relevant for health care professions, missions, HNGR.
ANTH 364. Linguistic Anthropology. (2 Credits)
This course will address language from an anthropological perspective. This course will include technical linguistic theory (phonetics/phonemics), but whereas much of that is covered in linguistics courses, this course will spend far more time on socio-linguistics and language ideology, particularly in the colonial and post-colonial context of the non-Western world. Students will be able to identify and apply the major historic and contemporary anthropological theories of language.

ANTH 376. Culture Theory. (4 Credits)
The culture concept has gone through numerous transformations since it was first introduced into anthropology in the nineteenth century, and this course briefly surveys historical theories in anthropology, but highlights structuralist, poststructuralist, postmodernist, Marxist, feminist, postcolonial, and transaction theories.

ANTH 381. Politics of Veiling in the Modern Middle East. (2 Credits)
This course approaches the diversity of life in the modern Middle East through the practices of veiling. Rather than a singular model or symbol, the veil emerges as a material object invested with various meanings through the complex intertwining of political, religious, and social life in societies from North Africa to Central Asia, and increasingly, the rest of the world.

ANTH 383. Cities in the Global South. (2 Credits)
Cities in the global south today face a variety of challenges, requiring careful negotiation through policy and everyday practice. This course introduces students to the particular issues which colonial histories and peripheral participation in global markets have produced in some key cities of the global south. Strategies and innovations for future development are presented as possibilities for local agency and transformation.

ANTH 385. Field Research Methods. (4 Credits)
A practical preparation of HNGR Program interns for participatory research and cross-cultural living and service. Emphasis in research is on design and implementation of qualitative and quantitative research methods in actual field settings, including roles, rapport, ethics, cultural adaptations, field notes, and write-up. Emphasis in orientation is on cross-cultural adjustment, including approaches, responses, psychological adaptation, relationship-building, communication, health, and Christian witness. Open to outgoing HNGR interns only. Course fee.

ANTH 393. Placemaking in Urban Contexts. (2 Credits)
Explores the processes by which particular configurations of history, identity and landscape are transformed into identifiable and meaningful places in the construction and development of cities. Case studies will be drawn from multiple cities around the world, including Scotland, China, and Africa and will examine the use of local and global narratives, images, and logics, highlighting the socially contested and constructed nature of this process.

ANTH 431. Culture, Economy, and Morality. (4 Credits)
This course explores the diverse ways people answer moral questions about money and economics. The course focuses on how culture shapes our interpretations of the economic choices we deem right and wrong. By considering case studies of economic moralities in diverse cultural contexts, students will develop more nuanced understandings of Biblical perspectives on economic topics including generosity, consumption, work, capitalism, and inequality.

Tags: GP, SI

ANTH 432. Violence and Peace in Latin America. (4 Credits)
This course draws on anthropological and social scientific research to examine how diverse organizational and social actors work to confront violence and strengthen peace in Latin America. Students will learn about the history of state, political and criminal violence in the late 20th and early 21st centuries, and students will be introduced to the efforts of international justice and human rights activists and civil society and religious organizations to build more just, peaceful, and inclusive societies in Latin America.

ANTH 435. Power and Gender in Southeast Asia. (4 Credits)
This course will focus on power and gender as key topics in the anthropology and historiography of Southeast Asia. We will explore how these ideas intersect with other anthropological and historical themes such as race, colonialism, nationalism, urbanization, and economic development.

Tags: GP, HP

ANTH 478. Anthropology Through Film. (2 Credits)
The medium of film can provide a window into the heart of a society, giving the viewer a chance to see inside the culture and minds of a people. This course will use commercial ("Hollywood") films as opportunities to explore themes and theories in anthropology, in order to gain insight into anthropological concepts and the society(ies) or subcultures from which the films originate.

ANTH 481. Anthropological Writing: Writing in History and the Social Sciences. (2 Credits)
This is a course for students who want to write for scholarly and general audiences. It is an opportunity to strengthen writing skills and analytical techniques. In this intensive writing course, advanced anthropology (and related disciplines) students will get a hands-on experience of gathering and/or using original data (ethnographic, archival, statistical, geo-spatial, etc.), transforming it into evidence (by analyzing it using relevant theoretical methods) and then writing a compelling analytical argument that connects the research findings to important social scientific questions. The course is particularly relevant for those who have previously collected data (such as HNGR or other study abroad students) they are prepared to use in a substantial writing project.

ANTH 482. Ethnographic Theory and Method. (4 Credits)
This course analyzes anthropological research and writing on fieldwork, while cultivating students' skills in the practice of ethnography. The production of knowledge, problems of evidence, experience and ethics, as well as issues of power and representation are discussed. Students frame and address theoretical problems through the development of an ethnographic research project, and through the processes of peer review, they refine this project throughout the semester, culminating in an original piece of anthropological research.

ANTH 494. Senior Capstone. (4 Credits)
A capstone seminar which evaluates contemporary issues within anthropology to address the relationship between Christianity and anthropological epistemologies, theories, and methods.

ANTH 495. Independent Study. (1 to 4 Credits)
Guided reading and research for the advanced students, or research internship in ongoing institutional or faculty research. Prerequisite: Permission of department chair.
ANTH 496. Internship in Anthropology. (4 or 8 Credits)
Credit given in connection with an internship assignment in medical anthropology, missions, HNGR, cross-cultural settings which involve education, development, business, or family life with participation of a faculty anthropologist. Majors may apply eight hours of internship credit toward one anthropology elective course. See department for details, including course prerequisites.

Social Welfare Courses
SWEL 331. Introduction to Social Welfare. (2 Credits)
Examination and critique of the social welfare institution in America; its history, value orientation, issues past and present, and the agencies through which social welfare is administered. Christian perspective, agency visits, and field trip.

SWEL 332. Human Services Practice. (2 Credits)
Development of self-awareness for the human services professional. Introduction to methods used in social work practice, interviewing, assessment, and treatment planning. Professional social workers as guest speakers.

SWEL 496. Social Work Internship. (4 or 8 Credits)
A field experience providing opportunities for observation and participation in selected welfare agencies. Knowledge of community resources; skill and technique development; theory-in-practice experience. Offered as a block placement for an entire semester. Placements are made in the Chicago area. Sociology majors may apply eight hours of internship credit toward one sociology elective course. Prerequisites: SWEL 331, 332. See department for details.

Gender Courses
GEND 494. Gender Studies Capstone. (2 Credits)
This course pulls together students' exploration of gender through the perspectives of theology, the social sciences, and humanities. The Gender Studies Capstone course promotes the mission statement of the Sociology/Anthropology department: to develop a biblical foundation for understanding social interaction both within American society and across cultures. Prerequisites: SOC 347 and BITH 383.

GEND 495. Gender Studies Independent Study. (2 Credits)
Guided reading and research for the advanced major or research internship in ongoing institutional or faculty research.
Applied Health Science

The Applied Health Science degree is designed to prepare students, within the context of a liberal arts education, to be future Christ-centered health care professionals.

Our Educational Objectives are:
1. Students will acquire the academic foundation and begin to develop the critical thinking processes necessary to the health professions.
2. Students will participate in health-related research as part of their education.
3. Students will develop healthy emotional, physical, relational, and spiritual attitudes and behaviors to best fulfill God’s calling.

General Education Mission Statement

The Department of Applied Health Science provides an academic program in which the human body serves as the window through which other dimensions of life are viewed. The department prepares students to be good stewards of the physical dimension and promotes understanding of the whole person in relation to God’s redemptive work.

Wellness Core Competency:

Wheaton students are encouraged to fulfill the Wellness Core Competency requirement their freshman or sophomore year.

1. Most students will fulfill the requirement by taking AHS 101 their freshman or sophomore year.
2. Students demonstrating physical competency via participation in ROTC or varsity athletics may satisfy the requirement by:
   - Successfully passing the Wellness Competency Exam with a score of 70% or higher (this exam will measure all three learning outcomes and include student articulation of how wellness can be shaped by Christian faith and practice through an essay) -AND-
   - Successful completion of one year of their ROTC program or one season of their varsity athletics program.
3. Students who are not formal participants in ROTC or varsity athletics may satisfy the Wellness Core Competency by:
   - Successfully passing the Wellness Competency Exam with a score of 70% or higher (this exam will measure all three learning outcomes and include articulation of how wellness can be shaped by Christian faith and practice through an essay) -AND-
   - Completing the following:
     i. an activity log
     ii. a dietary analysis
     iii. a sleep log

Courses

Applied Health Science Courses

AHS 101. Wellness. (2 Credits)
Students will be guided in a critical reflection of their health and wellness within the context of a Christian worldview. Special emphasis will be given to the development and maintenance of lifestyle habits that optimize well being.

AHS 271. Research Methods. (2 Credits)
This course is a study and application of research methods and statistics within the applied health sciences. Course objectives include: describe the purposes of research and how they relate to one’s role as a producer and consumer of research; properly perform the process of research writing as it relates to the applied health sciences; develop an understanding and application for statistical concepts; and appropriately select and adequately perform valid and reliable measures to evaluate research findings.

AHS 273. Behavioral Medicine. (2 Credits)
This course examines the evolution and development of many of the "best practices" used by allied health professionals to positively change health behavior. Specific attention will be given to how groups and systems either enhance or inhibit the behavioral change process. Students are expected to not only master academic content but to experientially participate in laboratory assignments that apply theoretical principles.

AHS 281. Biostatistics. (2 Credits)
The purpose of this course is to train students to become intimately familiar with the basics of research design and statistical modeling techniques commonly used in the health sciences. Knowledge will be gained as students learn how to go from hypothesis generation, to appropriate research design, to the implementation of a statistical model, to the interpretation of results.

AHS 351. Human Anatomy. (4 Credits)
This course covers the basic concepts of human anatomy, with emphasis on both the gross and cellular characteristics of each system. It includes discussion on how structure affects function while examining different clinical scenarios. Laboratory sessions will include human cadaver and specimen dissection, along with histological slides to reinforce concepts discussed in lectures. This course is intended to serve students interested in the health professions. Prerequisite: BIOL 241 or department permission. Lab fee.

AHS 361. Integrative Human Physiology. (4 Credits)
This course presents the integrative physiology of the respiratory, cardiovascular, muscular, nervous, renal, digestive, endocrine, immune, and reproductive systems. Cellular and metabolic regulation will be integrated into organ/systems regulation. Normal and disease conditions (e.g., heart disease, diabetes) will be used as illustrations. The information in this course will be integrated into specific upper division courses and is directly applicable to those in the health sciences. Pre or Corequisite: CHEM 231 or CHEM 232; Prerequisites: BIOL 241 and AHS 351 or department permission. Lab fee.

Faculty

Chair, Associate Professor Brian Hunt
Professor Peter Walters
Associate Professors Scott Ickes, Dana Townsend

Programs

- Applied Health Science Major (p. 49)
- Applied Health Science Major with the Urban Public Health Concentration (p. 50)
AHS 362. Orthopedic & Athletic Injury. (2 Credits)
A study of the mechanism, treatment, rehabilitation, and prevention of musculoskeletal injury. The course begins with the study of the injury process from a physiological and biomechanical perspective. The course then progresses into the study of specific injuries to the various areas of the body. The course concludes with the study of various treatment modalities utilized in the health care arena. Departmental adjunct faculty and health professionals from the community serve to expand the course content within their area of expertise. Prerequisites or corequisites: AHS 351, AHS 361 or department permission. $10 course fee.

AHS 368. Concepts in Nutrition. (4 Credits)
This course includes the theory and techniques of nutrition, dieting, and proper weight control. Digestion and absorption of foodstuffs will be presented at the biochemical and applied physiological levels. Experimentally based research projects and case studies will be accomplished in small groups. Pre/Corequisite: AHS 361; prerequisites: AHS 271, AHS 351, or department permission.

AHS 371. Clinical Kinesiology. (4 Credits)
This course will study the biomechanical forces involved in human movement. Applications will include the study of normal human movement, abnormal/pathological movement (e.g. abnormal gait analysis, rehabilitation aspects of movement), as well as sport and exercise biomechanics. Attention will be given to both the quantitative and qualitative analysis of movement. Prerequisites: AHS 271, 351, 361, and 452.

AHS 378. Community Health and the Urban Environment. (4 Credits)
This course provides a basic introduction to the history, structure, and function of the public health system as it applies to the urban environment. Aspects of the economic, social, physical, and built environments that impact the health of urban populations will be examined in the context of community organizing, program planning, health promotion and disease prevention throughout the lifespan, minority health, mental health, environmental and workplace safety and the delivery of adequate and equitable healthcare services. Prerequisites: BIOL 201 or 241 or 242.

AHS 378. Community Health and the Urban Environment. (4 Credits)
An introductory course of the basic science of disease prevention. Overview of epidemiologic methods and research designs to explore the variation of disease occurrence among individuals and populations and how that variation is studied to understand the causes of disease. Discussion of the biologic, behavioral, social and environmental determinants of health and disease. Description of how epidemiologic findings are applied to health maintenance and disease prevention. Prerequisite: AHS 361.

AHS 384. Public Health: Physical Activity Promotion. (2 Credits)
This course addresses public health concepts and issues related to physical inactivity and attempts to prepare the student to work alongside of public agencies and communities to understand the link between physical activity and chronic diseases and how to strategize appropriate interventions. Students will have the opportunity to connect theory and practice through dialogue with public health practitioners and community leaders.

AHS 387. Prevention of Obesity and Eating Disorders. (2 Credits)
This course will examine the causes of eating disorders and obesity from a multidisciplinary perspective. Personal, environmental, and socio-cultural factors driving eating disturbances that disrupt biological regulatory mechanisms of food intake and the maintenance of healthy body weight will be explored. A public health strategy that focuses on health rather than strict control of body weight will be presented as an effective and comprehensive approach for prevention of obesity and eating disorders. Prerequisites: AHS 101 and BIOL 201 or 241 or 242 or CHEM 231.

AHS 391. Community-Based Research in Urban Public Health. (4 Credits)
Theory and practice of public health program planning and evaluation in partnership with community public health organizations in urban Chicago. Students will integrate principles of community building and organizing to address community-identified health issues in the context of social change. Emphasis will be placed upon the development of faith-based cultural humility for the recognition and empowerment of existing healthy community assets for the improvement of urban health and quality of life. Quantitative and qualitative research methods will be utilized and integrated throughout all phases of health planning and program evaluation. Prerequisites: AHS 378 and AHS 381. $50 course fee.

AHS 394. Topics in Applied Health Science. (2 or 4 Credits)
Specific topics in Applied Health Science not normally included in the curriculum.

AHS 401. Nutrition & Disease. (2 Credits)
The content of the course will cover common chronic diseases, their characteristics, their etiology and treatment. The students should be able to explain how a particular disease develops or at least what we know of its development and how nutrients may protect against its development. Prerequisite: AHS 388.

AHS 451. Advanced Human Anatomy. (2 Credits)
This course covers advanced concepts of human cadaver anatomy. A thorough general dissection of the entire body with various in-depth dissections throughout the course will be the focus. This course is intended to serve students interested in the health professions. Prerequisite: AHS 351.

AHS 452. Applied Physiology. (4 Credits)
This course will present the applied physiology of the following conditions: heart disease, obesity, type-2 diabetes mellitus, lower limb amputations, pregnancy, and aging and the role of prescribed exercise in the management and rehabilitation of these conditions. The physiological and biochemical adjustments and adaptations to acute and chronic exercise will be presented. Experimentally based research projects will be accomplished in small groups. Prerequisites: AHS 271, 351 and 361 or departmental permission. $75 lab fee.

AHS 461. Advanced Anatomy II. (2 Credits)
Advanced subject material in human anatomy cadaver dissection. Dissections will be completely different than those covered in AHS 451. Examples include the spinal cord with brachial and sacral plexus, intricacies of the hand, foot, shoulder or knee, nerves of the abdominal pelvic cavity. Prerequisite: AHS 351.
AHS 468. Advanced Nutrition: Vitamins. (2 Credits)
This course includes the in-depth study of fat- and water-soluble vitamins. The material will include their metabolism and their important role in optimal health. In addition, this course addresses their functions, bioavailability, hormonal regulation, requirements, deficiency and toxicity signs, and interrelation with other nutrients. Also, there will be reading and discussion on recent published articles involving these vitamins. Prerequisite: AHS 368.

AHS 494. Integrative Seminar. (2 Credits)
This course is designed to provide an integrative conclusion to the major by reflecting on how a Christian liberal arts education has shaped students’ knowledge and character, to connect the discipline of Applied Health Science within the broader context of liberal arts and the Christian faith, and to clarify/reaffirm vocational calling.

AHS 495. Problems in Applied Health Science. (1 to 4 Credits)
Special projects and independent research study. These projects must offer a unique learning experience for the student and will usually be an experimentally based research project with the purpose of developing critical thinking and with the intent of being published.

AHS 496. Internship. (4 to 8 Credits)
Practical experience under supervision in an approved program. Prerequisite: junior or senior standing as Applied Health Science major.

Applied Health Science Major
This major provides students with a core curriculum (26 credits) and electives (10 credits) in the applied human health sciences.

- Core Courses: Human Anatomy, Integrative Human Physiology, Biostatistics, Applied Physiology, Concepts in Epidemiology, Concepts in Nutrition, and Integrative Seminar; Internship (see further details below)
- Elective courses: Advanced Human Anatomy, Neurobiology and Spiritual Formation, Cancer Epidemiology, Behavioral Medicine, Applied Physiology, and Advanced Nutrition: Vitamins
- Research and discovery is emphasized in the upper-division courses and in independent research projects in which experimentally based research projects and case studies are accomplished.
- An internship in the area of the student’s interest is required. Areas include: physical therapy, occupational therapy, cardiovascular rehabilitation, various clinical experiences, sports medicine, nutrition, basic research in physiology at other selected universities, and fitness training.

The curriculum is established to prepare students for:
1. Professional schools in medicine and allied health fields
2. Graduate studies in areas of the health sciences and basic research
3. Careers in areas of fitness and wellness

Students who complete an Applied Health Science major are granted a Bachelor of Science degree unless they request a Bachelor of Arts degree.

Requirements
Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

The Applied Health Science major consists of 26 hours of core courses and 10 hours of electives:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHS 281</td>
<td>Biostatistics</td>
<td>4</td>
</tr>
<tr>
<td>AHS 351</td>
<td>Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>AHS 361</td>
<td>Integrative Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>AHS 368</td>
<td>Concepts in Nutrition</td>
<td>4</td>
</tr>
<tr>
<td>AHS 381</td>
<td>Concepts in Epidemiology</td>
<td>4</td>
</tr>
<tr>
<td>AHS 494</td>
<td>Integrative Seminar</td>
<td>2</td>
</tr>
<tr>
<td>AHS 496</td>
<td>Internship</td>
<td>4-8</td>
</tr>
</tbody>
</table>

Total Credits: 26-30

Elective Requirements
10 hours of electives, choose from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHS 273</td>
<td>Behavioral Medicine</td>
<td></td>
</tr>
<tr>
<td>AHS 371</td>
<td>Clinical Kinesiology</td>
<td></td>
</tr>
<tr>
<td>AHS 451</td>
<td>Advanced Human Anatomy</td>
<td></td>
</tr>
<tr>
<td>AHS 461</td>
<td>Advanced Anatomy II</td>
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</tbody>
</table>

Total Credits: 10

All Applied Health Science students must take:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 241</td>
<td>Organization of Life: Genetics and Cell Biology</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 231</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 232</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
</tbody>
</table>

Applied Health Science pre-med students must take:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 241</td>
<td>Organization of Life: Genetics and Cell Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 242</td>
<td>Diversity of Life: An Introduction to Zoology and Botany</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 231</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 232</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 341</td>
<td>Organic Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 342</td>
<td>Organic Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 221</td>
<td>General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 222</td>
<td>General Physics II</td>
<td>4</td>
</tr>
</tbody>
</table>

Allied Health students (e.g., pre-physical therapy and pre-nursing) must take:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 241</td>
<td>Organization of Life: Genetics and Cell Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 242</td>
<td>Diversity of Life: An Introduction to Zoology and Botany</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 231</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 232</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 241</td>
<td>Principles of Organic Chemistry</td>
<td>4</td>
</tr>
</tbody>
</table>

Pre-physical therapy must also take:
Applied Health Science Major with the Urban Public Health Concentration

Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

The Applied Health Science major with the Urban Public Health concentration consists of 38 hours of AHS courses, 6 hours of URBN courses and 4-8 hours of electives. The Urban Public Health concentration requires students to participate in a semester of study at "Wheaton in Chicago" (see Urban Studies (https://www.wheaton.edu/academics/programs/urban-studies) for further information).

Requirements are:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHS 271</td>
<td>Research Methods</td>
<td>2</td>
</tr>
<tr>
<td>AHS 273</td>
<td>Behavioral Medicine</td>
<td>2</td>
</tr>
<tr>
<td>AHS 281</td>
<td>Biostatistics</td>
<td>2</td>
</tr>
<tr>
<td>AHS 351</td>
<td>Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>AHS 361</td>
<td>Integrative Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>AHS 368</td>
<td>Concepts in Nutrition</td>
<td>4</td>
</tr>
<tr>
<td>AHS 378</td>
<td>Community Health and the Urban Environment</td>
<td>4</td>
</tr>
<tr>
<td>AHS 381</td>
<td>Concepts in Epidemiology</td>
<td>4</td>
</tr>
<tr>
<td>AHS 384</td>
<td>Public Health: Physical Activity Promotion</td>
<td>2</td>
</tr>
<tr>
<td>AHS 391</td>
<td>Community-Based Research in Urban Public Health</td>
<td>4</td>
</tr>
<tr>
<td>AHS 494</td>
<td>Integrative Seminar</td>
<td>2</td>
</tr>
<tr>
<td>AHS 496</td>
<td>Internship</td>
<td>4-8</td>
</tr>
<tr>
<td>URBN 231</td>
<td>Chicago: An Introduction</td>
<td>2</td>
</tr>
<tr>
<td>URBN 351</td>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>

Electives, select two courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 361</td>
<td>Medical Anthropology</td>
<td></td>
</tr>
<tr>
<td>BIOL 381</td>
<td>Public Health and Nutrition in Developing Areas</td>
<td></td>
</tr>
<tr>
<td>IR 318</td>
<td>Environmental Politics</td>
<td></td>
</tr>
<tr>
<td>PSCI/URBN 385</td>
<td>Urban Politics</td>
<td></td>
</tr>
</tbody>
</table>
Applied Linguistics and International Education

Undergraduate Courses for the ESL and Bilingual Education Endorsements

The Applied Linguistics and International Education department provides a state-approved series of courses leading to the ESL and bilingual education endorsements in Illinois. These endorsements may be added to an elementary, middle, or secondary teaching license (offered through the Education Department). Undergraduate students who earn these endorsements can work as ESL or bilingual education teachers in Illinois and most other states.

Requirements for the ESL Endorsement include the following:

1. A teaching license at the elementary, middle, or secondary level;
2. 100 clock hours of contact with ESL classrooms; and
3. A minimum of 18 credit hours of course work in the categories of Theoretical Foundations of TESOL and Bilingual Education, Linguistics, ESL Classroom Methods, Cross-Cultural Issues for English Language Learners (ELLs), and Assessment of ELLs.

The course requirements can be met by taking:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LING 222</td>
<td>English Grammar for Teachers</td>
<td>2</td>
</tr>
<tr>
<td>LING 224</td>
<td>Theoretical Foundations of Language Acquisition</td>
<td>4</td>
</tr>
<tr>
<td>LING 227</td>
<td>Cross-Cultural Teaching and Learning</td>
<td>2</td>
</tr>
<tr>
<td>LING 321</td>
<td>Introduction to Linguistics</td>
<td>2</td>
</tr>
<tr>
<td>LING 325</td>
<td>Principles of Assessment for TESOL</td>
<td>2</td>
</tr>
<tr>
<td>LING 326</td>
<td>English Language Methods for Content Area Teachers</td>
<td>2</td>
</tr>
<tr>
<td>LING 328</td>
<td>English Language Learning Methods for Specialists</td>
<td>2</td>
</tr>
<tr>
<td>LING 328L</td>
<td>ELL Practicum</td>
<td>1</td>
</tr>
<tr>
<td>LING 329</td>
<td>Curriculum and Materials Development for English Language Learning</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 136L</td>
<td>Cross-cultural Tutoring</td>
<td>1</td>
</tr>
<tr>
<td>EDUC 225L</td>
<td>Teacher Aiding Practicum</td>
<td>1</td>
</tr>
</tbody>
</table>

The following can also count toward this endorsement:

- SPAN 371 Methods of Teaching Foreign Languages
- FREN 371 Methods of Teaching Foreign Languages
- GERM 371 Methods of Teaching Foreign Languages

Requirements for the Bilingual Endorsement include the following:

1. A teaching license at the elementary, middle, or secondary level;
2. 100 clock hours of contact with bilingual education classrooms; and
3. A passing score on the language proficiency examination for Spanish (or another language) administered through the Illinois State Board of Education; and
4. A minimum of 18 credit hours of course work in the categories of Theoretical Foundations of TESOL and Bilingual Education, ESL Classroom Methods, Bilingual Classroom Methods, Cross-Cultural Issues for ELLs, and Assessment of ELLs.

The course requirements can be met by taking:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LING 222</td>
<td>English Grammar for Teachers</td>
<td>2</td>
</tr>
<tr>
<td>LING 224</td>
<td>Theoretical Foundations of Language Acquisition</td>
<td>4</td>
</tr>
<tr>
<td>LING 227</td>
<td>Cross-Cultural Teaching and Learning</td>
<td>2</td>
</tr>
<tr>
<td>LING 321</td>
<td>Introduction to Linguistics</td>
<td>2</td>
</tr>
<tr>
<td>LING 323</td>
<td>Bilingual Methods/Materials</td>
<td>2</td>
</tr>
<tr>
<td>LING 325</td>
<td>Principles of Assessment for TESOL</td>
<td>2</td>
</tr>
<tr>
<td>LING 326</td>
<td>English Language Methods for Content Area Teachers</td>
<td>2</td>
</tr>
<tr>
<td>LING 329</td>
<td>Curriculum and Materials Development for English Language Learning</td>
<td>2</td>
</tr>
<tr>
<td>LING 323L</td>
<td>Bilingual Practicum</td>
<td>1</td>
</tr>
<tr>
<td>EDUC 136L</td>
<td>Cross-cultural Tutoring</td>
<td>1</td>
</tr>
<tr>
<td>EDUC 225L</td>
<td>Teacher Aiding Practicum</td>
<td>1</td>
</tr>
</tbody>
</table>

LING 222. English Grammar for Teachers. (2 Credits)
A survey of major areas of English grammar with a discussion of the history of the English language and a focus on practical issues for teachers of both English speakers and English language learners.

LING 224. Theoretical Foundations of Language Acquisition. (4 Credits)
Survey of theory and research relevant to the teaching and learning of English as a second/foreign language and bilingual education. Emphasis on practical applications from linguistics, psycholinguistics, and sociolinguistics.

LING 321. Introduction to Linguistics. (2 Credits)
Introductory study of the concepts and methodology of modern linguistics. Survey of the various branches of linguistic science and of their relationships to other disciplines. (Cross-listed with INTR 609)

LING 323. Bilingual Methods/Materials. (2 Credits)
Bilingual Methods and Materials. Current methodology and instructional resources for teachers of children in bilingual classrooms, programs, and schools. (Cross-listed with INTR 642)

LING 323L. Bilingual Practicum. (1 Credit)
An analysis of teaching skills in a supervised field placement.

LING 325. Principles of Assessment for TESOL. (2 Credits)
Theoretical and practical aspects of ESL/EFL testing, including 1) survey of test types, and 2) procedures for test planning, construction, administration, and interpretation of results. (Cross-listed with INTR 617)

Faculty
Chair, Applied Linguistics and International Education, Professor Alan Seaman
Associate Professor Cheri Pierson
Assistant Professor Pam Barger

Courses

Linguistics Courses for the ESL and Bilingual Education Endorsements

Wheaton College
LING 326. English Language Methods for Content Area Teachers. (2 Credits)
Contemporary issues and practices in teaching children from non-English-speaking backgrounds in mainstream classrooms, both in the U.S. and abroad. This course is intended for all teachers as well as specialists earning the ESL and bilingual endorsements. (Cross-listed with INTR 618)

LING 328. English Language Learning Methods for Specialists. (2 Credits)
English Language Learning Methods for Specialists. A survey of current methodology related to the classroom instruction of English language learners in specialized contexts such as pull-out and sheltered classes.

LING 328L. ELL Practicum. (1 Credit)
An analysis of teaching skills in a supervised field placement.

LING 329. Curriculum and Materials Development for English Language Learning. (2 Credits)
Principles and practices in the development of curricula for English language learning, K-12 textbook evaluation, and the management of English language teaching programs. (Cross-listed with INTR 614)
Art

The Art Department, through its concentrations in Studio Art, Art History, and Community Art, presents art as an integral part of the Christian liberal arts mission at Wheaton College. We contribute to the development of whole and effective Christians by nurturing creativity and artistic expression as gifts from God to the individual, the church, and society at large. The Art Department provides education in visual perception, visual literacy, appreciation, and artistic process. We encourage students to make art that is culturally relevant, while seeking out beauty and significance, celebrating individual uniqueness, and participating in community.

The department provides access to artistic heritages of diverse cultural traditions, and explores these traditions through varied interpretative lenses. Such scrutiny employs critical perspectives informed by the best available Christian wisdom. We present historical and contemporary art theory and practice in both the fine and applied arts. The Art Department challenges students to evaluate and question received paradigms, and nurtures a constructive approach to the creation of redemptive visual metaphors rooted in a Christian vision of life. Through this training, we extend students’ capacity for critical thinking, analysis, and ethical choice into the visual and artistic realm, inspiring confidence, courage, and passion for what they do, based on being new creatures in Christ.

The department offers three concentration options for a major:

- **Studio Art**
- **Art History**
- **Community Art**

The **studio art concentration** aims to prepare visual artists in a variety of media, culminating with a focused concentration in one of these areas: ceramics, drawing, graphic design, new media, painting, photography, printmaking or sculpture. Studio majors also receive a background in art history and criticism considered from a Christian point of view.

The **art history concentration** provides a critical analysis, particularly of the western artistic heritage, and more generally of various traditions of world art, from a perspective informed by Christian values. It provides an opportunity for students to exercise basic skills of viewing, reading, research, analysis, critical thinking, and writing about art.

The **community art concentration** is an interdisciplinary program that merges the production of art, managing public spaces, and collaborative practices. The term community art has been used broadly to describe arts programs where an artist facilitates projects within a community setting. Examples include after-school programs for youth, community centers that offer intergenerational programming, site-specific mural projects, and public installations or performances. The community artist is one that enters into the lives of others to activate creativity, story-telling, protest, healing, and/or worship.

Graduates of the Art Department have a sophisticated understanding of the visual arts developed in a liberal arts context. Art provides an introduction to many ways of knowing, problem solving, analyzing, and doing. These skills find application in a variety of work settings. A liberally educated artist is a desirable employee. Our students go on to find employment in a wide variety of art related fields, are accepted into graduate schools around the country, become professional artists and art historians, and also apply their artistic sensibilities in non-art entrepreneurial and service oriented vocations.

Suggested Computer Equipment: Art students are encouraged to choose a Macintosh computer since all software and instruction in relevant areas occurs on a Macintosh platform. Adobe CS6 and related software is available at the Wheaton College Bookstore for a discounted price.

Faculty

**Chair, Associate Professor** Jeremy Botts  
**Professor** David Hooker  
**Associate Professors, Jeremy Botts, Cherith Lundin, Matthew Milliner, Joonhee Park, Greg Schreck**  
**Associate Lecturer** Leah Samuelson

Programs

- **Art Major with a Studio Art Concentration** (p. 56)  
- **Art Major with a Community Art Concentration** (p. 57)  
- **Art Major with an Art History Concentration** (p. 57)  
- **Art Major with an Alternate Art History Concentration** (p. 58)  
- **Philosophy and Art History Double Major** (p. 58)  
- **Art Minor Studio Art Concentration** (p. 58)  
- **Art Minor Community Art Concentration** (p. 59)  
- **Art Minor Art History Concentration** (p. 59)

Courses

**Art Courses**

**ART 101. Art Survey. (2 Credits)**  
Critical survey of the visual arts that equips students to navigate their visual age. Depending on the instructor, this course could be taught with a historical or thematic/material focus, but all versions of Art Survey entail an investigation into visual modes of thought with examples from history and the present. Art majors are expected to take ART 251 and 351 (studio art and art history concentrations) or ART 352 (community art concentration) in place of this course. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPAV.  
**Tags:** VPAV

**ART 102. Issues In Art. (2 Credits)**  
An introduction to the visual arts approached thematically. Only one section of ART 101, 102, or 302 may be taken for credit towards graduation requirements.

**ART 211. Painting I. (3 Credits)**  
Introduction to Painting: concepts and techniques. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPAV.  
**Tags:** VPAV

**ART 213. Printmaking I. (3 Credits)**  
Studio in making prints: relief printing, intaglio, and lithography. Study of skills and techniques, and appreciation of the aesthetic qualities of the print.

**ART 216. Philosophy Of the Arts. (2 Credits)**  
Examines philosophical issues in the arts, such as the nature of creativity, the categories of “art” versus “non-art” and “high” versus “low” art, the responsibility of the artist to the community, the role of art in society, and the relationships between art and religion.
ART 221. Taking Pictures. (3 Credits)
A basic introduction to photography using simple digital cameras. Students will make pictures in response to visual images and art objects from art history and different cultural contexts. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPAV.

Tags: VPAV

ART 231. Sculpture I. (3 Credits)
A basic introduction to sculptural practice, concepts and techniques. Students create work in response to historical and contemporary artworks and consider a theological approach to the creative process. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPAV.

Tags: VPAV

ART 232. Drawing I. (3 Credits)
Exercises in basic drawing techniques using various media. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPAV.

Tags: VPAV

ART 233. Creativity & Design. (3 Credits)
An exploration of the creative process and basic principles of visual organization.

ART 234. Digital Studio. (3 Credits)
An introduction to the language and technology of digital media that combines history, theory, and practice to explore the intersection of art and technology.

ART 241. Sophomore Cornerstone. (2 Credits)
A discussion of art and artists, theological views of artistry, and art theory in the 20th and 21st centuries. These are examined in light of various traditional Christian views of the relationship of the Christian person to culture. We explore how theological and cultural attitudes, along with artistic theories and methods, can shape the form and direction of artistic work. Each student is encouraged to evaluate and develop his/her own method or response to God, the created world, and cultural realities, through artistic means.

ART 251. History of Art & Architecture I. (4 Credits)
Introduction to select periods of art and architecture from cave paintings to the cusp of the modern era (c. 1700), including Ziggurats, Pyramids, Israelite visual culture, Greek and Roman art, Byzantine icons and Gothic Cathedrals, the art of the Renaissance, Reformation and Baroque, with special attention given to the way Non-Western artistic traditions interact with dominant European visual culture. Enrollment priority will be given to Art Majors. Taking ART 351 immediately after this course is recommended (but not required). Offered every Fall semester.

Tags: GP, HP

ART 293. Mentoring Seminar. (1 to 4 Credits)
Faculty and student collaboration on a project of mutual interest. Limited enrollment – faculty approval. May be repeated.

ART 302. The Understanding of Art. (2 Credits)
The origin and development of the fine arts; the functional and aesthetic qualities of art. Only one section of ART 101, 102, or 302 may be taken for credit towards graduation requirements. For transfer and upper division students.

ART 312. Film & Darkroom Photography. (3 Credits)
Basic studies in design and composition, camera operation, technical mastery of black and white film and paper, darkroom procedures. Emphasis on aesthetic and perceptual awareness, visual literacy, proficiency in the use of analog photographic materials and processes. Study of major works and significant photographers. Cameras and basic equipment available for check-out.

ART 313. Printmaking II. (3 Credits)
Advanced study developing skills and techniques in one printing medium. Prerequisite: ART 213.

ART 316. Ceramics I. (3 Credits)
A general introduction to ceramics through hand-building techniques with an emphasis on the vessel as a vehicle to explore issues in contemporary art. Introduction to the technical skills, history, and thought process of working with clay. Historic and contemporary approaches to ceramics are considered as means to develop a personal approach to the material.

ART 318. Graphic Design I. (3 Credits)
Typography; Students will engage the fundamental principles of design in structured and experimental ways. There will be primary focus on typography: its history, organization, and the relationship between the expressive quality of form and the communication of meaning. We will work both with our hands and also in the digital environment; exploring the basic type and layout capabilities the computer affords (Adobe Illustrator and InDesign).

ART 319. Documentary Photography. (3 Credits)
Foundation course using photography as a creative tool for field work and cross-cultural applications. Exploration of contemporary theory and practices.

ART 321. Wood Fired Ceramics. (3 Credits)
A basic introduction to ceramic practice with particular focus on the history and practice of wood-kiln firing. Taught at HoneyRock. Room and board fee is required. Transportation is not provided. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPAV.

ART 322. Sculpture II. (3 Credits)
Continuation of ART 321. Ceramic practice explored creatively, informed by contemporary artistic concepts and methods. Students may explore documentary, artistic, and/or commercial practices, studio portrait lighting, animated ‘moving’ images, entrepreneurial possibilities. Prerequisite: ART 319 or 383 or consent of instructor.

ART 325. Cinema. (4 Credits)
A study of the cinematic arts from its inception to current times. The focus will be on the critical film theory and aesthetic, technological, historical progression of the world cinema.

ART 326. Digital Filmmaking I. (3 Credits)
Digital Filmmaking shows the trace of motion picture history as well as the trajectory of future cinema. Students confront issues of style and meaning while working on visual expression of radical imagination.

ART 327. Painting II. (3 Credits)
An introduction to historical resources and theoretical underpinnings for the development of abstract paintings. Prerequisite: ART 211 or consent of instructor.
ART 328. Advanced Digital Studio. (3 Credits)
(Formerly Web Site Design); Students will create and design content for the digital and web environment. Projects will be at times linear/narrative, but also interactive and engaging new and open source applications. Prerequisite: ART 318 or consent of instructor

ART 329. Community Art. (3 Credits)
History and theories of community-based public art. Practical experience researching and initiating a community-based public art project.

ART 332. Graphic Design II. (3 Credits)
Visual Systems; Students will integrate typography and imagery in more complex systems and programs, with additional focus on Information design, publication design, and an introduction to motion sequences. We will also read and discuss writings of historical significance to the field. Prerequisite: ART 318.

ART 336. Ceramics II. (3 Credits)
Continuation of skills and issues introduced in Ceramics I, with emphasis placed on the potter's wheel. Introduction to glaze chemistry, with the goal of developing a personal palette of glazes. Prerequisite: ART 316.

ART 339. Sculpture II. (3 Credits)
Continuation of Sculpture I. Exploration of more contemporary issues in sculpture. Prerequisite: ART 231.

ART 345. Archaeology of the Classical World. (2 Credits)
Excavations, monuments, epigraphic materials, and papyri from the Minoan, Mycenaean, Aegean, and Greco-Roman times. Prerequisite: ARCH 211 or 213.

ART 351. History of Art & Architecture II. (4 Credits)
This course offers an introduction to art and architecture from the eighteenth to the twenty-first centuries primarily in Europe and North America, with special attention given to the city of Chicago and diverse American artistic voices. Movements explored include Rococo, Neo-Classicism, Romanticism, Realism, Medieval revivals, Impressionism, Modernism, Pop, Conceptual, and especially the art of minority communities. Enrollment priority will be given to Art majors. Taking ART 251 immediately before this course is recommended. Offered every Spring semester. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPAV.

Tags: DUS, VPAV

ART 352. Medieval & Byzantine Art. (4 Credits)
Exploration of the visual theology of Early Christian art and architecture, following its development in Constantinople alongside the Celtic and Carolingian culture of the medieval West, and concluding in the artistic maturity of both these civilizations: Romanesque and Gothic in the West and Byzantine art in the East. Alternate years in Fall semester. Enrollment priority given to Art History majors. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPAV.

Tags: HP, VPAV

ART 353. Renaissance and Reformation Art. (4 Credits)
Exploration of art and architecture from the fourteenth to the sixteenth centuries, in Late Byzantine, Italian and Northern European contexts, including the impact of Protestantism. Artists examined include Cimabue, Giotto, Duccio, Masaccio, Fra Angelico, Raphael, Michelangelo, Bellini, Titian, Van Eyck, Van der Weyden, Düer, Cranach, Holbein, Bruegel, and many others. Special attention is given to the way the Protestant Reformation conflicted with and was propagated by artistic production. Alternate years in Spring semester. Enrollment priority given to Art History majors. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPAV.

Tags: HP, VPAV

ART 375. Studies in Studio Art. (2 or 3 Credits)
Selected specialized areas of studio art as announced.

ART 381. New Media Art & Criticism. (3 Credits)
A workshop exploring the aesthetics of new screen media and digital interfaces. Assignments and projects will explore digital convergence, digital interactivity, digital spaces, digital temporalities, and digital narratives. Prerequisite: ART 318 or 326 or 383 or 385. Also, by consent of instructor.

ART 382. Art & Technology. (3 Credits)
A workshop exploring some of the issues at the interface between the creative process and the possibilities offered by technological efficiencies. The course will engage a variety of theoretical models while students complete projects with digital video.

ART 383. Digital Photography I. (3 Credits)
Basic studies in design and composition, camera operation, applicable technologies, visual literacy. Introduction to Adobe Lightroom, Photoshop, and related software. Emphasis on developing creative personal practices informed by art history and contemporary visual culture. Study of relevant works and significant artists. Cameras and basic equipment available for check-out. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPAV.

ART 423. Advanced Drawing. (3 Credits)
Advanced studies in drawing. Prerequisite: ART 323.

ART 425. Advanced Studio III. (3 Credits)
Advanced students (level #3 studios) in all media and studio disciplines meet together to define, evaluate, and encourage personal artistic development. Class sessions center on discussion of student projects. Discussion is organized around seminal readings that challenge status quo assumptions, provoke creative art-making, and inspire commitment to ongoing artistic explorations.

ART 426. Digital Filmmaking II. (3 Credits)
Advanced studies in digital filmmaking.

ART 429. Community Art II. (3 Credits)
A course on the streets of Chicago in which we survey twenty community arts organizations across the city. Site visits and case studies are the sole contents of the course. Intended for Art majors with a concentration in Community Art in the spring semester of their junior year. Prerequisite: ART 329.

ART 471. Studies in Art History. (4 Credits)
In-depth study of some aspect of art history or art historical methodology. Not offered at this time. Alternate years.

ART 491. Art History Capstone. (2 Credits)
Drawing on their entire liberal arts education, students will develop an expansive understanding of the liberal arts, asking how art history fits into it, or how it does not, including vocational reflections. A behind the scenes tour of the history of the discipline will culminate in a "Tour de Tout" (tour of everything) public tour of the architecture of Chicago and the entire collection of the Art Institute, led by students and open to the general public.
ART 492. Internship: Community Art Capstone. (3 Credits)
An internship is an agreement to work within an arts-based organization in a role as prescribed by the organization. Internship service may be paid or unpaid, is chosen at students' discretion, but subjected entirely to advisor/department approval. Advisor will guide students through internship selection process. Internships are a platform for community art senior projects and should be chosen in regards to students' vocational goals. Prerequisite: ART 329, junior standing, 12 hours logged in major.

ART 493. Mentoring Seminar. (1 to 4 Credits)
Faculty and student collaboration on a project of mutual interest. Limited enrollment – faculty approval needed. May be repeated. Junior or Senior standing required.

ART 494. Senior Capstone. (2 Credits)
494-1. (Section 1) "Senior Capstone for Art History Concentration". Exploration of the methodology of art history and the development of the discipline, including Classical precedents, Byzantine icon theology, Renaissance Neo-Platonism, German developments, Hegel, Marx, Feminism, Deconstruction and the "religious turn." Alternate years in the Fall only; 494-2. (Section 2) "Senior Capstone for Community Art Concentration". Typically offered in the Fall only. Capstone for legacy gen ed students.; 494-3 (Section 3) "Senior Capstone for Studio Art Concentration". Typically offered in the Fall only. In this course, students recollect who they are as artists and what they are making. They develop a personal and artistic mission and goals, design and construct a physical portfolio object, and create other appropriate presences including resume, business card, website, e-book, etc. In addition, there will be discussions of select readings, technical workshops, and guest presenters.

ART 495. Independent Projects. (1 to 4 Credits)
Independent work in a selected field of art. Prerequisite: Consent of instructor.

ART 496. Internship. (2 to 8 Credits)
Art Department approval. Graded pass/fail. Prerequisite: junior or senior standing with Art major. (2, 4, or 8 credits)

ART 497. Exhibition Practicum. (2 Credits)
Group practicum focused on the meaning, development, preparation, and production of senior show exhibitions. To be taken during spring semester of senior year. Prerequisite: successful participation in the Junior Critique process.

ART 498. Honors Tutorial. (2 to 4 Credits)
Reading and research on an art historical topic of their choosing. Students will work with professor to conceive a project and solicit two outside readers who are professors from other departments with related expertise. Prerequisites: An "A" in upper level art history courses taken, admission to Department Honors program, senior standing.

ART 499. Honors Thesis. (2 to 4 Credits)
Preparation of senior honors thesis. Not applicable to major requirements. Prerequisite: ART 498.

Art Major with a Studio Art Concentration

Requirements
Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for a major in Art with a Studio Art Concentration are 41 hours including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 223</td>
<td>Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>ART 224</td>
<td>Digital Studio</td>
<td>3</td>
</tr>
<tr>
<td>ART 233</td>
<td>Creativity &amp; Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 232</td>
<td>Sophomore Cornerstone</td>
<td>2</td>
</tr>
<tr>
<td>ART 234</td>
<td>Senior Capstone (494-3 For Studio Art Concentration)</td>
<td>2</td>
</tr>
<tr>
<td>ART 235</td>
<td>History of Art &amp; Architecture I</td>
<td>4</td>
</tr>
<tr>
<td>ART 251</td>
<td>Exhibition Practicum</td>
<td>2</td>
</tr>
<tr>
<td>ART 252</td>
<td>History of Art &amp; Architecture II</td>
<td>4</td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>41</td>
</tr>
</tbody>
</table>

Studio electives should be chosen with two objectives in mind:

1. To develop expressive competency in one medium (or set of closely related media), and
2. To learn the artistic possibilities found in a variety of media.

Other requirements include:

- Participation in annual student exhibitions and art events scheduled for majors.
- Participation and passing score in Sophomore Portfolio Review, Junior Critique, and Senior Exhibition.

Sophomore Portfolio Review: Prerequisites or corequisites for participation in Sophomore Portfolio Review are the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 223</td>
<td>Drawing I</td>
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</tr>
<tr>
<td>ART 224</td>
<td>Digital Studio</td>
<td></td>
</tr>
<tr>
<td>ART 225</td>
<td>Sophomore Cornerstone</td>
<td></td>
</tr>
<tr>
<td>ART 233</td>
<td>Creativity &amp; Design</td>
<td></td>
</tr>
<tr>
<td>ART 234</td>
<td>Digital Studio</td>
<td></td>
</tr>
<tr>
<td>ART 251</td>
<td>History of Art &amp; Architecture I</td>
<td></td>
</tr>
</tbody>
</table>

Senior Exhibition: Students are required to develop and exhibit a body of their own work as part of Senior Exhibition.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 223</td>
<td>Drawing I</td>
<td></td>
</tr>
<tr>
<td>ART 224</td>
<td>Digital Studio</td>
<td></td>
</tr>
<tr>
<td>ART 233</td>
<td>Creativity &amp; Design</td>
<td></td>
</tr>
<tr>
<td>ART 234</td>
<td>Digital Studio</td>
<td></td>
</tr>
<tr>
<td>ART 251</td>
<td>History of Art &amp; Architecture I</td>
<td></td>
</tr>
</tbody>
</table>

A passing grade for the Senior Exhibition is required for graduation with a Studio Concentration Art Major.

Senior Exhibition is part of the curriculum of ART 494 Senior Capstone/Exhibition Practicum. ART 494 is taught in the Spring term only.

We are strongly recommended that studio art majors take Art 425 Advanced Studio in the Fall term of their senior year in preparation of their Senior Exhibition.

1 Students are advised that ART 241 Sophomore Cornerstone (2 hrs) is offered in the B Quad of Fall semester. Prerequisites or corequisites for Sophomore Cornerstone are two of the following: ART 232, ART 233, ART 234.
Sophomore portfolio reviews and Junior critiques take place in the Spring semester. Schedules should be planned accordingly.

A passing score in Junior Critique is required prior to approval for Senior Exhibition.

**Art Major with a Community Art Concentration**

**Requirements**

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for a major in Art with a Community Art Concentration are 42 hours including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 232</td>
<td>Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>ART 233</td>
<td>Creativity &amp; Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 234</td>
<td>Digital Studio</td>
<td>3</td>
</tr>
<tr>
<td>ART 241</td>
<td>Sophomore Cornerstone</td>
<td>2</td>
</tr>
<tr>
<td>Select 2 Elective Studio Courses</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>ART 329</td>
<td>Community Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 429</td>
<td>Community Art II</td>
<td>3</td>
</tr>
<tr>
<td>ART 492</td>
<td>Internship: Community Art Capstone</td>
<td>3</td>
</tr>
<tr>
<td>ART 251</td>
<td>History of Art &amp; Architecture I</td>
<td>4</td>
</tr>
<tr>
<td>ART 351</td>
<td>History of Art &amp; Architecture II</td>
<td>4</td>
</tr>
<tr>
<td>Select 8 credits of the following:</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>ANTH 353</td>
<td>Biculturalism</td>
<td></td>
</tr>
<tr>
<td>BIOL 319</td>
<td>Introduction to Environmental Ethics</td>
<td></td>
</tr>
<tr>
<td>CMN 337</td>
<td>Compassion in Ministry</td>
<td></td>
</tr>
<tr>
<td>EDUC 305</td>
<td>Learning Differences</td>
<td></td>
</tr>
<tr>
<td>HNGR 114</td>
<td>Poverty, Justice and Transformation</td>
<td></td>
</tr>
<tr>
<td>IR 315</td>
<td>Politics of Global Development</td>
<td></td>
</tr>
<tr>
<td>PACS 201</td>
<td>Introduction to Peace and Conflict</td>
<td></td>
</tr>
<tr>
<td>PSYC 235</td>
<td>Cross-Cultural Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYC 317</td>
<td>Developmental Psychology</td>
<td></td>
</tr>
<tr>
<td>SOC 385</td>
<td>Social Change</td>
<td></td>
</tr>
<tr>
<td>URBN 114</td>
<td>Social Life of Cities</td>
<td></td>
</tr>
<tr>
<td>URBN 233</td>
<td>Chicago</td>
<td></td>
</tr>
<tr>
<td>URBN 393</td>
<td>Placemaking in Urban Contexts</td>
<td></td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>42</strong></td>
<td></td>
</tr>
</tbody>
</table>

- Students are advised that ART 232, ART 233, ART 234 and ART 241 are typically taken before the end of sophomore year.
- ART 492 is typically taken in the spring of junior year or fall of senior year.
- ART 429 is typically taken in the senior year.

- The Community Art Concentration culminates in a Senior Presentation documenting the development of a Community Art project.

**Art Major with an Art History Concentration**

**Requirements**

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for a major in Art with an Art History Concentration are 35 hours including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 216</td>
<td>Philosophy Of the Arts (or PHIL 216)</td>
</tr>
<tr>
<td>or PHIL 217</td>
<td>Philosophy of Art</td>
</tr>
<tr>
<td>ART 251</td>
<td>History of Art &amp; Architecture I</td>
</tr>
<tr>
<td>ART 345</td>
<td>Archaeology of the Classical World</td>
</tr>
<tr>
<td>or ARCH 345</td>
<td>Archaeology of the Classical World</td>
</tr>
<tr>
<td>ART 351</td>
<td>History of Art &amp; Architecture II</td>
</tr>
<tr>
<td>ART 352</td>
<td>Medieval &amp; Byzantine Art</td>
</tr>
<tr>
<td>ART 353</td>
<td>Renaissance and Reformation Art</td>
</tr>
<tr>
<td>ART 494</td>
<td>Senior Capstone (ART 494-1 for Art History concentration)</td>
</tr>
<tr>
<td>Select one Studio Art Course</td>
<td>3</td>
</tr>
<tr>
<td>Select 10 credits from:</td>
<td>10</td>
</tr>
<tr>
<td>Advisor-approved courses from other departments that support the understanding of art history</td>
<td></td>
</tr>
<tr>
<td>Study abroad or Wheaton in Chicago courses</td>
<td></td>
</tr>
<tr>
<td>Internship ART 496 - 2, 4 or 8 hours</td>
<td></td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>35</strong></td>
</tr>
</tbody>
</table>

The prerequisite for ART 345 (ARCH 345) necessitates either Old or New Testament required credits be fulfilled through ARCH 211 or ARCH 213.

Students are advised that ART 494 (494-1 for Art History concentration) is offered alternate years in the Fall so should be taken in the junior or senior year.

**Please note:** Art History courses ART 251 & ART 351 are offered each year. They are taught sequentially, spanning two semesters and taking them in order is recommended. ART 352 & ART 353 are offered every other year. They are also taught sequentially, and taking them in order is recommended. Students are encouraged to take both sets of courses (ART 251 & ART 351; ART 352 & ART 353) in different years.

A reading knowledge of two foreign languages is recommended for students who anticipate graduate study.

Department Honors in Art History are granted upon the successful completion of a senior thesis through enrollment in ART 498 and ART 499.
Art Major with an Alternate Art History Concentration

Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

An Alternate Art History Concentration requires 34 hours:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 18 credits from the following:</td>
<td></td>
<td>18</td>
</tr>
<tr>
<td>ART 216</td>
<td>Philosophy Of the Arts (or PHIL 216)</td>
<td></td>
</tr>
<tr>
<td>or PHIL 217</td>
<td>Philosophy of Art</td>
<td></td>
</tr>
<tr>
<td>ART 251</td>
<td>History of Art &amp; Architecture I</td>
<td></td>
</tr>
<tr>
<td>ART 351</td>
<td>History of Art &amp; Architecture II</td>
<td></td>
</tr>
<tr>
<td>ART 352</td>
<td>Medieval &amp; Byzantine Art</td>
<td></td>
</tr>
<tr>
<td>ART 353</td>
<td>Renaissance and Reformation Art</td>
<td></td>
</tr>
<tr>
<td>ART 494</td>
<td>Senior Capstone (494-1 for Art History concentration)</td>
<td></td>
</tr>
<tr>
<td>Select 16 credits</td>
<td></td>
<td>16</td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>34</td>
</tr>
</tbody>
</table>

1 Select 16 credits of advisor-approved courses from:
   - other departments that support the understanding of art history;
   - study abroad or Wheaton in Chicago courses; or
   - an internship (ART 496 - 2, 4 or 8 hours).

Supporting courses can apply to both an Art major and the major of the course’s native department, making the alternate Art History concentration especially conducive to double majors.

Students are advised that ART 494 (494-1 for Art History major) is offered alternate years in the Fall so should be taken in the junior or senior year.

Please note: Art History courses ART 251 & ART 351 are offered each year. They are taught sequentially, spanning two semesters and taking them in order is recommended. ART 352 & ART 353 are offered every other year. They are also taught sequentially, and taking them in order is recommended. Students are encouraged to take both sets of courses (ART 251 & ART 351; ART 352 & ART 353) in different years.

A reading knowledge of two foreign languages is recommended for students who anticipate graduate study.

Philosophy and Art History Double Major

Double major in Philosophy and Art History: The Philosophy Department and Art History Division of the Art Department have enjoyed a long and fruitful relationship, and we have worked together to craft a program so that students may earn a double major in Philosophy and Art History.

Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for this program include:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Requirements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHIL/ART 216</td>
<td>Philosophy of the Arts</td>
<td>2-4</td>
</tr>
<tr>
<td>or PHIL 217</td>
<td>Philosophy of Art</td>
<td></td>
</tr>
<tr>
<td>PHIL 243</td>
<td>Intro To Logic</td>
<td>2-4</td>
</tr>
<tr>
<td>or PHIL 245</td>
<td>Logic</td>
<td></td>
</tr>
<tr>
<td>ART 251</td>
<td>History of Art &amp; Architecture I</td>
<td>4</td>
</tr>
<tr>
<td>ART 311</td>
<td>History of Philosophy: Ancient &amp; Medieval</td>
<td>4</td>
</tr>
<tr>
<td>ART 312</td>
<td>History of Philosophy: Modern &amp; Contemporary</td>
<td>4</td>
</tr>
<tr>
<td>ART 351</td>
<td>History of Art &amp; Architecture II</td>
<td>4</td>
</tr>
<tr>
<td>ART 352</td>
<td>Medieval &amp; Byzantine Art</td>
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<td>ART 353</td>
<td>Renaissance and Reformation Art</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 454</td>
<td>Historical Seminar</td>
<td>2-4</td>
</tr>
<tr>
<td>or PHIL 455</td>
<td>Historical Seminar</td>
<td></td>
</tr>
<tr>
<td>PHIL 494</td>
<td>Philosophy Capstone: Revisiting the Good Life</td>
<td>2</td>
</tr>
<tr>
<td>ART 494</td>
<td>Senior Capstone (494-1 for art history concentration)</td>
<td>2</td>
</tr>
<tr>
<td>Select 10 additional credits of philosophy courses, at least 4 of which need to be upper-division:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Art Minor Studio Art Concentration

Requirements for an art minor with a studio art concentration are 17-19 hours including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minor Requirements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select one art history course:</td>
<td></td>
<td>2-4</td>
</tr>
<tr>
<td>ART 101</td>
<td>Art Survey</td>
<td></td>
</tr>
<tr>
<td>ART 251</td>
<td>History of Art &amp; Architecture I</td>
<td></td>
</tr>
<tr>
<td>or ART 351</td>
<td>History of Art &amp; Architecture II</td>
<td></td>
</tr>
<tr>
<td>Select one studio foundation class:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ART 232</td>
<td>Drawing I</td>
<td></td>
</tr>
<tr>
<td>ART 233</td>
<td>Creativity &amp; Design</td>
<td></td>
</tr>
<tr>
<td>ART 234</td>
<td>Digital Studio</td>
<td></td>
</tr>
<tr>
<td>Select four 3-credit studio art elective courses, with at least one at the second level:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ART 313</td>
<td>Printmaking II</td>
<td></td>
</tr>
<tr>
<td>ART 319</td>
<td>Documentary Photography</td>
<td></td>
</tr>
<tr>
<td>ART 323</td>
<td>Figure Drawing</td>
<td></td>
</tr>
<tr>
<td>ART 324</td>
<td>Digital Photography II</td>
<td></td>
</tr>
<tr>
<td>ART 327</td>
<td>Painting II</td>
<td></td>
</tr>
<tr>
<td>ART 328</td>
<td>Advanced Digital Studio</td>
<td></td>
</tr>
<tr>
<td>ART 332</td>
<td>Graphic Design II</td>
<td></td>
</tr>
<tr>
<td>ART 336</td>
<td>Ceramics II</td>
<td></td>
</tr>
<tr>
<td>ART 339</td>
<td>Sculpture II</td>
<td></td>
</tr>
<tr>
<td>ART 423</td>
<td>Advanced Drawing</td>
<td></td>
</tr>
</tbody>
</table>
### Art Minor Community Art Concentration

**Requirements**

Requirements for an art minor with a community art concentration are 18 hours including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 101</td>
<td>Art Survey</td>
<td>2</td>
</tr>
<tr>
<td>ART 232</td>
<td>Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>ART 233</td>
<td>Creativity &amp; Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 329</td>
<td>Community Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 429</td>
<td>Community Art II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>4 hours chosen from:</td>
<td>4</td>
</tr>
<tr>
<td>ANTH 353</td>
<td>Biculturalism</td>
<td></td>
</tr>
<tr>
<td>BIOL 319</td>
<td>Introduction to Environmental Ethics</td>
<td></td>
</tr>
<tr>
<td>CFM 337</td>
<td>Compassion in Ministry</td>
<td></td>
</tr>
<tr>
<td>EDUC 305</td>
<td>Learning Differences</td>
<td></td>
</tr>
<tr>
<td>HNGR 114</td>
<td>Poverty, Justice and Transformation</td>
<td></td>
</tr>
<tr>
<td>IR 315</td>
<td>Politics of Global Development</td>
<td></td>
</tr>
<tr>
<td>PACS 201</td>
<td>Introduction to Peace and Conflict</td>
<td></td>
</tr>
<tr>
<td>PSYC 235</td>
<td>Cross-Cultural Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYC 317</td>
<td>Developmental Psychology</td>
<td></td>
</tr>
<tr>
<td>SOC 385</td>
<td>Social Change</td>
<td></td>
</tr>
<tr>
<td>URBN 114</td>
<td>Social Life of Cities</td>
<td></td>
</tr>
<tr>
<td>URBN 233</td>
<td>Chicago</td>
<td></td>
</tr>
<tr>
<td>URBN 393</td>
<td>Placemaking in Urban Contexts</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total Credits</td>
<td>18</td>
</tr>
</tbody>
</table>

Students are advised that ART 429 is typically taken spring of junior year or fall of senior year.

### Art Minor Art History Concentration

**Requirements**

Requirements for an art minor with an art history concentration are 19 hours including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 101</td>
<td>Art Survey</td>
<td>2</td>
</tr>
<tr>
<td>ART/PHIL 216</td>
<td>Philosophy Of the Arts</td>
<td>2</td>
</tr>
<tr>
<td>or PHIL 217</td>
<td>Philosophy of Art</td>
<td></td>
</tr>
<tr>
<td></td>
<td>One studio art elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Three art history courses from the following:</td>
<td>12</td>
</tr>
<tr>
<td>ART 251</td>
<td>History of Art &amp; Architecture I</td>
<td></td>
</tr>
<tr>
<td>ART 351</td>
<td>History of Art &amp; Architecture II</td>
<td></td>
</tr>
<tr>
<td>ART 352</td>
<td>Medieval &amp; Byzantine Art</td>
<td></td>
</tr>
<tr>
<td>ART 353</td>
<td>Renaissance and Reformation Art</td>
<td></td>
</tr>
</tbody>
</table>
Biblical and Theological Studies

The mission of the School of Biblical and Theological Studies is to help cultivate Christians who are biblically rooted and theologically formed.

Since biblical truth stands at the center of the Christian tradition, and the Scriptures are the integrating core of a Christian liberal arts education, our programs are designed to foster Christian thinking nurtured by biblical and theological study.

We assist students to think biblically through understanding the content of Old and New Testaments as the Word of God, grasping the principal theological themes of the Bible, and interpreting the Scriptures in light of the culture, history, and geography of the ancient world.

We assist students to think theologically through comprehending classic Christian doctrine, paying special attention to its historic development and its evangelical expressions, with a view toward enabling obedient witness to Christ in our contemporary context.

Our approach to the study of Scripture and theology aims both at equipping students to interpret the Bible with a capacity for mature theological judgment, and to connect biblical teaching with the church’s responsibilities related to ethics, spirituality, and mission.

In light of this mission, we aim to foster student formation in three interrelated areas:

1. biblical and theological knowledge;
2. academic skills and critical reflection; and

Therefore, we offer undergraduate and graduate programs that foster biblical and theological knowledge informed by rigorous, critical, and Christian engagement with classic and contemporary scholarship. We promote the development of academic skills necessary for advanced study and service in the church and society worldwide. We are committed to stimulating learning that bears fruit in lives of faithful thinking and witness for Christ and His kingdom.

The Bible and the Liberal Arts

Courses are offered in the context of a liberal arts education and seek to embrace the entire spectrum of human knowledge, culture, and experience, affirming the value of every discipline that contributes to that end. “Christian” liberal arts is distinguished by the recognition it gives to the lordship of Jesus Christ and to the Bible in its depiction of the world and the human condition, and by its commitment to glorify God and accomplish His purpose in the world.

Historically, Wheaton College affirms that the truth of Scripture is absolute and has unique authority. Furthermore, the College understands its mission as being “For Christ and His Kingdom.” These commitments form its major distinctive as a Christian liberal arts college. In light of our commitment to the Bible’s authority, we seek to help students evaluate the presuppositions, theories, goals, and methods of each discipline, and indeed all of life’s activities, by the revelation of God’s truth as found in Scripture.

Academic majors are available in Biblical Archaeology, and Biblical and Theological Studies. All Wheaton College undergraduates are required to take some course work in Biblical and Theological Studies. Master of Arts and Doctor of Philosophy degrees are also available (see Graduate Programs (p. 263) in this catalog).

A departmental honors program for majors requires four hours of honors course work within the 32-hour major, plus an additional four hours of honors thesis.

Faculty

Dean, Associate Professor: David Lauber
Gunther M. Knoedler Professor of Theology, Daniel Treier
Armerding Professor of Biblical Studies, Michael Graves
Carolyn and Fred McManis Professor of Christian Thought, Timothy Larsen
Kenneth T. Weissner Professor of Biblical Studies, Douglas Moo
Franklin S. Dymess Associate Professor of Biblical & Theological Studies, Jennifer P. McNutt
Blanchard Professor of Old Testament, M. Daniel Carroll R. (Rodas)
Blanchard Professor of Old Testament, Richard Schultz
Professors: Jeffrey Barbeau, Marc A. Cortez, Gene Green, Andrew Hill, Beth Felker Jones, George Kalantzis, Daniel Master, John Walton
Associate Professors: Andrew Abernethy, Vincent Bacote, Keith Johnson, Gregory Lee, Adam Miglio, Amy Peeler
Assistant Professors: Aubrey Buster, Carlos Sosa Siliezar
Associate Lecturer: Emily McGowin

Programs

Archaeology Courses

ARCH 211. Old Testament Archaeology. (4 Credits)
A survey of the Old Testament with an emphasis on archaeological research as it relates to the understanding and interpretation of the text.

General Education: SHAR

ARCH 213. New Testament Archaeology. (4 Credits)
A survey of the New Testament with an emphasis on archaeological research as it relates to the understanding and interpretation of the text.

General Education: SHAR

ARCH 317. Studies in Biblical Lands. (4 Credits)
A study of cultural, historical, geographical, and theological dimensions of the Old Testament, New Testament, and the Church through classroom lecture and travel to Israel, Greece, Turkey, and Rome. In addition, through contact with leaders and communities of non-western churches, Wheaton in the Holy Lands engages students with issues of the theological development of the Church through the centuries. This program can be taken as a partial alternative to the general education requirements in Biblical and Theological studies, or it can fill selected requirements in the Biblical Studies, Theological Studies, or Archaeology major. Su only

ARCH 325. Archaeological Field Work. (4 Credits)
Field experience involving excavation, interpretation, and studies in related regional archaeology.

Tags: SI
ARCH 326. Archaeological Field Work: Tel Shimron, Israel. (4 Credits)
Field experience involving excavation, interpretation, and studies in related regional archaeology.
Tags: GR, HP

ARCH 327. Archaeological Science. (4 Credits)
Overview and practice of methods of archaeological science applied from geosciences, chemistry and biology (zoology and botany) in an active excavation. Understanding the historical influence of physical and environmental setting on the archaeological site in its regional context. Four hours lecture, 3 hours laboratory.
Tags: SP

ARCH 333. Historical Geography. (2 Credits)
Surveys the geographical, historical, religious and archaeological material of biblical Israel and Second Temple Judaism as well as the earliest Christian communities in the Greco-Roman world. Classroom lectures are supplemented by regional studies with overnight field studies, on-site lectures and relevant preparation (map work, biblical readings, etc.). Attention is given to (1) key OT and NT historical events and their geographical location, especially in Jerusalem, Galilee, the Shephelah, Jordan Valley, Negev, and the Dead Sea region, and (2) key NT historical events and their geographical location, especially in Italy (Rome), Greece (e.g., Philippi, Delphi, Thessalonica, Corinth, Athens), and modern Turkey (e.g., Ephesus, Istanbul, Pergamum, Smyrna, Laodicea). Su only.

ARCH 334. Historical Geography. (2 Credits)
A study of selected biblical episodes which are enriched when understood in the context of Near Eastern history and Palestinian geography. Prerequisite: BITH 211 or 221 or 312, or ARCH 211.

ARCH 345. Archaeology of the Classical World. (2 Credits)
Excavations, monuments, epigraphic materials, and papyri from the Minoan, Mycenaean, Aegean, and Greco-Roman times. Prerequisite: ARCH 211 or 213.

ARCH 356. Statecraft and International Relations in the Ancient Near East. (4 Credits)
This course investigates the ways that statecraft and international politics were conducted in ancient Mesopotamia and Egypt. It addresses methods and theories for studying statecraft and international politics as well as considers how these were embedded within and shaped by the societies, cultures, and economies of Mesopotamia and Egypt.
Tags: HP, SI

ARCH 366. Archaeology of Biblical Lands. (4 Credits)
A survey of archaeological and historical materials of Biblical Lands from prehistoric times through the Iron Age. Special attention is given to understanding the material culture of each period and the interface of biblical sources with these periods where appropriate. Four hours lecture, two hours laboratory. Prerequisite: ARCH 211.
Tags: HP, SI

ARCH 367. Jerusalem, the Holy City. (4 Credits)
Jerusalem’s special place in the biblical tradition is considered through the disciplines of archaeology and history. Special attention is given to the city’s theological significance, as well as its place in the religious traditions and history of the Middle East. Prerequisite: BITH 211 or 221 or 312, or ARCH 211.

ARCH 369. Religions of Israel and the Near East. (4 Credits)
This course introduces key theoretical approaches to the study of religion, explores significant literary sources and engages important syntheses of the religious traditions from ancient Mesopotamia, Egypt, Israel, and Canaan. In particular, it focuses on how these traditions contribute to long-standing issues in philosophy of religion, such as “What is the nature of divinity?”, “What does it mean for humans to be religious?”, “How is evil and suffering explained?”, and “What are the philosophical origins and implications of monotheism?” Prerequisite: BITH 211 or 221 or 312, or ARCH 211.
Tags: LE, PI

ARCH 411. Advanced Archaeological Study. (4 Credits)
A concentrated analysis of one particular aspect of biblical archaeology or ancient Near Eastern studies.

ARCH 412. Advanced Archaeological Study. (2 Credits)
A concentrated analysis of one particular aspect of biblical archaeology or ancient Near Eastern studies.

ARCH 415. Ugaritic Language and Literature. (4 Credits)
See ARCH 515.

ARCH 416. Classical Hebrew Inscriptions. (4 Credits)
This course is designed to introduce students to Classical Hebrew and Canaanite sources (inscriptions) for the history of the land of Canaan during the Old Testament period. In addition to mastering the grammar of the primary sources, students will be exposed to questions about the mechanics of writing, will explore the ancient social and cultural contexts of Canaan, and will specifically engage in discussions about the origins, nature, extent and purposes of literacy during this period. Prerequisite: HEBR 301. Cross-listed with ARCH 516.
Tags: HP, SI

ARCH 417. Egyptian Hieroglyphics. (4 Credits)
An introduction to Middle Egyptian which involves learning how to read and translate texts.

ARCH 418. Akkadian Cuneiform. (2 or 4 Credits)
An introduction to cuneiform which leads students through the techniques for transcription, transliteration, and translation of Assyrian or Babylonian literature.

ARCH 452. Jewish Backgrounds of the New Testament. (2 Credits)
See BITH 552.

ARCH 453. Advanced Archaeology and the Old Testament. (4 Credits)
See ARCH 521.

ARCH 494. Senior Seminar. (2 Credits)
A capstone seminar devoted to exploring the current issues in Near Eastern archaeology that relate to biblical studies, especially those touching on historiography, historicity, social and cultural backgrounds, methodology, and faith. Prerequisite: ARCH 412.

ARCH 495. Independent Study. (1 to 4 Credits)
Independent study of selected problems for the advanced student.
Biblical and Theological Studies Courses

BITH 211. Old Testament Literature and Interpretation. (4 Credits)
Equips students to understand the Old Testament as literature in its ancient historical context and to relate the message of the Old Testament to the contemporary world. Courses in this area will introduce students to the historical and geographical setting, cultural context, and transmission of the Old Testament. Courses will also facilitate direct engagement with the OT book-by-book, with special emphasis given to questions of genre, literary structure, and theology. This course will encourage students to embrace the teaching of the OT as part of the Christian Bible.

General Education: SHAR

BITH 213. New Testament Literature and Interpretation. (4 Credits)
An overview of the New Testament, tracing its teaching with respect to historical background and literary character.

General Education: SHAR

BITH 221. Old Testament Literature in Three Traditions. (4 Credits)
An overview of the redemptive narrative of the Hebrew Bible/Old Testament emphasizing its message and themes with respect to historical background and literary character, and exploring its place in the three monotheistic religions tracing their origins to Abraham—Judaism, Christianity and Islam. Meets General Education requirement in Old Testament.

General Education: SHAR

BITH 311. Archaeology of Biblical Lands. (4 Credits)
A survey of archaeological and historical materials of Biblical Lands from prehistoric times through the Iron Age. Special attention is given to understanding the material culture of each period and the interface of biblical sources with these periods where appropriate. Four hours lecture, two hours laboratory. Prerequisite: BITH 211 or 221 or 312, or ARCH 211; or BITH 213 or 317, or ARCH 213.

Tags: HP, SI

BITH 312. Old Testament in the Holy Lands. (4 Credits)
A study of the Old Testament integrated with field studies designed to introduce the student to the historical, geographical, and cultural settings of the Old Testament in locations where the events recorded occurred.

General Education: SHAR

BITH 315. Christian Thought. (4 Credits)
An investigation into the basic beliefs of the Christian faith. Prerequisites: BITH 211 or 221 or ARCH 211; or BITH 213 or ARCH 213 or BITH 317. Philosophy majors are encouraged to take BITH 374 instead of this course.

General Education: SHAR

A study of the New Testament integrated with field studies designed to introduce the student to the historical, geographical, cultural, and religious settings of the New Testament in locations where the events recorded occurred and were composed. This is a Wheaton in the Holy Lands/Shared Core course.

General Education: SHAR

BITH 318. Christian Theology in the Holy Lands. (4 Credits)
An exploration of the core beliefs of the Christian faith with special emphasis on the role of the ancient church in its historical contexts in the development of Christian thought and practice. This is a Wheaton in the Holy Lands/Shared Core Course. Prerequisites: BITH 211 or ARCH 211 or BITH 221; and BITH 213 or ARCH 213. Corequisite: BITH 317.

General Education: SHAR

BITH 319. Colonialism and Redemption: Native American Culture and Theology from 1492 to Wounded Knee. (2 Credits)
An interdisciplinary course designed to explore the Native American experience through the lens of historical anthropology and theology. The course explores the experience and perspectives of the Native inhabitants of "Turtle Island" from the beginning of the colonial era up to the present day. The course also examines the role of Scripture, theology, and the Church during the time of European expansion across North America and the current relationship between First Nations peoples and Christianity, including developments in Native Christian theology. Meetings with Native Americans are part of the course. The themes of "colonialism" and "redemption" will bind together this theological, anthropological, and personal exploration.

BITH 322. Theology and the Arts. (4 Credits)
This course explores the relationship between Christian theology and the arts in order to cultivate a theological vision for the arts that considers both how the particular claims of the Christian faith inform our understanding of the arts and how the arts contribute to the shaping of our faith. Topics will include the arts in Scripture, church history, and theological reflection. Questions to be considered include the relationship between divine creation and human creativity, how the incarnation of Christ transforms our understanding of artistic activity, and how humanity may be inspired to glorify God through the arts. Depending upon the particular version of the course, examples of the arts to be assessed include visual art, music, theater, film, dance, sculpture, and architecture.

Tags: VPA

BITH 323. Literature of the Bible. (4 Credits)
The literary forms and meaning of biblical literature.

BITH 325. Biblical Interpretation and Hermeneutics. (4 Credits)
A survey of hermeneutical theory discussing past and current views of how author, text, reader, and context contribute to the communication of textual meaning. These insights will be applied to the Bible, giving the student an interpretive strategy for exegeting the biblical text and appropriating it for the contemporary church, as well as an approach to synthesizing one's interpretive work in formulating biblical-theological themes. Basic approaches for doing biblical theology and theological interpretation will be summarized and illustrated. The course is open to non-majors and is a prerequisite for all 400 level Biblical Studies courses. Prerequisite: BITH 211 or 221 or 312, or ARCH 211; or BITH 213 or 317, or ARCH 213.

BITH 326. Biblical Foundations of Worship. (4 Credits)
An examination of worship in the Bible, both Old and New Testament, with a view to developing a theology of worship that is consistent with the teachings of Scripture. Special attention will be given to the role of sign and symbol and the place of visual arts in Christian worship. The course will also explore the interface between the discipline of Positive Psychology and Christian religious belief and practice, especially as it relates to worship and spiritual formation. Undergraduate students, Prerequisite: BITH 211 or 221 or 312, or ARCH 211; or BITH 213 or 317, or ARCH 213.

Tags: SI, VPAV

BITH 327. Reading Scripture with the Church Fathers. (2 Credits)
A study of the reception, transmission, and interpretation of Scripture within the early church (2nd to 6th centuries). Emphasis will be placed on the historical context of patristic exegesis, the relationship between scripture and tradition, and questions of hermeneutics. Prerequisite: BITH 211 or 221 or 312, or ARCH 211; or BITH 213 or 317, or ARCH 213.
BITH 332. Ruth & Esther. (4 Credits)
A detailed study of the books of Ruth and Esther, giving special attention to historical background, literary analysis, theological emphases, ancient and traditional Jewish and Christian interpretations, recent ideological interpretations, and contemporary application. Prerequisite: BITH 211 or 221 or BITH 312, or ARCH 211. This course counts towards the Gender Studies Certificate Program.

Tags: LE

BITH 333. Historical Geography and Context in the Holy Lands. (4 Credits)
Surveys the geographical, historical, religious and archaeological material of biblical Israel and Second Temple Judaism as well as the earliest Christian communities in the Greco-Roman world. Classroom lectures are supplemented by regional studies with overnight field studies, on-site lectures and relevant preparation (map work, biblical readings, etc.). Attention is given to (1) key OT and NT historical events and their geographical location, especially in Jerusalem, Galilee, the Shephelah, Jordan Valley, Negev, and the Dead Sea region, and (2) key NT historical events and their geographical location, especially in Italy (Rome), Greece (e.g., Philippi, Delphi, Thessalonica, Corinth, Athens), and modern Turkey (e.g., Ephesus, Istanbul, Pergamum, Smyrna, Laodicea). Su only.

Tags: HP

BITH 334. Historical Geography. (2 Credits)
A study of selected biblical episodes which are enriched when understood in the context of Near Eastern history and Palestinian geography. Prerequisite: BITH 211 or 221 or 312, or ARCH 211.

BITH 335. Old Testament Topics. (4 Credits)
Study of an Old Testament portion or theme. Course may be repeated for different topics. Prerequisite: BITH 211 or BITH 221 or BITH 312 or ARCH 211.

BITH 337. Early Christian Integration Seminar. (2 Credits)
A study of early Christianity as it relates to contemporary issues. This course is required for the Certificate in Early Christian Studies. Prerequisite: BITH 315, 318, 372, 374, or 376.

BITH 338. Genesis 1-11. (2 Credits)
A study of the foundational chapters for the Old and New Testaments. The central themes of creation, God, humanity, the fall, redemption, judgment, and covenant will be investigated in detail. Prerequisite: BITH 211 or 221 or 312, or ARCH 211.

BITH 339. Topics in Perennial Theological Questions. (4 Credits)
This course is an in-depth philosophical study of a particular doctrinal, figure, or topic. This course may be repeated for different topics.

Tags: PI

BITH 341. Exodus. (2 Credits)
The exodus event is as central to OT theology as the death and resurrection of Jesus Christ to NT theology. The historical and theological implications of this book will be examined, with special emphasis given to the covenant between God and Israel. Prerequisite: BITH 211 or 221 or 312, or ARCH 211.

BITH 342. Majority World Theology. (4 Credits)
Readings and discussions on the task of biblical interpretation and theological reflection in the context of World Christianity. The course will focus on emerging theological trends in one region, such as Latin America, but will also survey contemporary developments in other regions: Africa, Asia, and Latin America. The topics covered will include Majority World hermeneutics, comparative analysis with Western biblical and theological traditions, and an introduction to parallel trends in North America like Latino/a, African American, Asian American, or Native American Christian theologies. Prerequisites: BITH 211 and 213 or BITH 315 or 318 or 374.

Tags: GP

BITH 343. The Old Testament in its Cultural Environment. (2 Credits)
An introduction to the historical and cultural context of biblical literature. The course will focus on methodology and will consider both similarities and differences that emerge as the cultures and literatures are compared. Prerequisite: BITH 211 or 221 or 312, or ARCH 211.

BITH 344. The Psalms: Songs of Israel and the Church. (2 Credits)
A study of the book of Psalms in light of both the type and context of individual psalms and the organization of the Psalter as a book in the social and cultural life of Israel. Attention will be given to how the book of Psalms guides individuals and communities in their worship of God, while also imparting its own theological methods for God's people. Prerequisite: BITH 211 or 221 or 312, or ARCH 211.

BITH 345. Life of David. (2 Credits)
A study of the life and thought of David as found in the Books of Samuel and Psalms with an emphasis on 'spiritual theology.' Prerequisite: BITH 211 or 221 or 312, or ARCH 211.

BITH 349. Old Testament Topics. (2 Credits)
Study of an Old Testament portion or theme. Course may be repeated for different topics. Prerequisite: BITH 211 or 312, or ARCH 211.

BITH 351. Jesus Of Nazareth. (4 Credits)
A thorough study of Jesus’ life and teaching. Primary attention will be given to reconstructing the first-century historical and cultural setting of Judaism that shaped Jesus' message. Additional emphasis on developments within current "Jesus research" and assessment of the results of critical scholarship. Prerequisite: BITH 213 or 317, or ARCH 213.

Tags: HP

BITH 352. Paul Of Tarsus. (2 or 4 Credits)
A study of the life and thought of Paul as found in the book of Acts and in Paul’s New Testament letters. The course will synthesize the major categories of Pauline thought and emphasize their value for faith today. Prerequisite: BITH 213 or 317, or ARCH 213.

BITH 353. New Testament Topics. (4 Credits)
Study of a New Testament portion or theme. Course may be repeated for different topics. Prerequisite: BITH 213 or 317, or ARCH 213.
BITH 354. Women in the World of the NT. (2 Credits)
This course will examine women's lives and the concept of female in the New Testament and the wider Greco-Roman world, including Second Temple Judaism, by studying the biblical text, literary sources and archaeological evidence. This course will explore New Testament women's participation in and contributions to the Christian story in the first century, and discuss women's participation in leadership in the church today. General pictures of women's lives in Judaism and the Greco-Roman world will supplement the portrait of early Christian women. Prerequisite: BITH 213 or 317, or ARCH 213.

BITH 355. Theology of the Promised Land. (2 Credits)
An integrative course studying the theological motif of the Promised Land in the Bible. This course will explore the theology of the Land as interpreted within Judaism and Christianity over the last two millennia. Prerequisite: An integrative course studying the theological motif of the Promised Land in the Bible. This course will explore the theology of the Land as interpreted within Judaism and Christianity over the last two millennia. Prerequisite: BITH 211 or 321 or 312, or ARCH 211; and BITH 213 or 317, or ART 213.

BITH 356. I Corinthians. (2 or 4 Credits)
A section-by-section survey of 1 Corinthians dealing with the issues of the nature of the Church, Christian behavior and social responsibility, sexuality, marriage and divorce, Christian worship, the spiritual gifts, and the resurrection. Prerequisite: BITH 213 or 317, or ARCH 213.

BITH 357. Acts of the Apostles. (2 or 4 Credits)
A study of the Book of Acts focused on the geographic and ethnic spread of the gospel, the birth and development of the apostolic church, the gospel's relationship to the Jewish and wider Greco-Roman social worlds, and the theology of Acts. Prerequisite: BITH 213 or 317, or ARCH 213.

BITH 358. New Testament Topics. (2 Credits)
Study of a New Testament portion or theme. Course may be repeated for different topics. Prerequisite: BITH 213 or 317, or ARCH 213.

BITH 361. Advanced Koine Reading. (2 or 4 Credits)
See crosslist GREK 334, 335, 336.

BITH 362. James. (2 Credits)
An exposition of the text of the Epistle of James, focusing on the church situations that prompted the teaching of the various themes it contains, and their correlation to corresponding New Testament motifs. Prerequisite: BITH 213 or 317, or ARCH 213.

BITH 363. The Letter to the Romans. (4 Credits)
A close analysis of Paul's theological argument in the book of Romans with special attention to themes that integrate broadly with the humanities. Prerequisite: BITH 213 or 317, or ARCH 213.

BITH 364. Peter And Jude. (2 Credits)
Exercise in the interpretation of letter genre, by application to portions of 1 Peter, 2 Peter, and Jude. Students use a prescribed method and scholarly resources for productive class discussions. Attention is given to sociological exegesis. Prerequisite: BITH 213 or 317, or ARCH 213.

BITH 365. Prison Epistles. (2 or 4 Credits)
Analysis of Colossians, Ephesians, Philippians, and Philemon, all written while the author was in chains. Attention will focus on the light these letters throw on Paul's life and thought, as well as on the abiding challenge of their message. Prerequisite: BITH 213 or 317, or ARCH 213.

BITH 366. New Testament Topics in Historical Perspectives. (4 Credits)
The writings of the New Testaments are principle sources for understanding the early history of Christianity. Their authors interacted with the historical and cultural developments within first century Roman societies and the first readers interpreted these writings within the same historical matrix. This course will examine select New Testament writings within first century Mediterranean history and explore their place within wider cultural discussions on historiography during the period. Reading from Greek and Latin literature will be included. Prerequisite: BITH 213 or 317, or ARCH 213.

Tags: HP

BITH 367. Jerusalem, the Holy City. (4 Credits)
Jerusalem's special place in the biblical tradition is considered through the disciplines of archaeology and history. Special attention is given to the city's theological significance, as well as its place in the religious traditions and history of the Middle East. Prerequisite: BITH 211 or 221 or 312, or ARCH 211.

BITH 368. The Book of Revelation. (2 Credits)
A chapter-by-chapter analysis of the Book of Revelation with consideration of the major themes, apocalyptic symbolism, theology, prophetic character of the book, and relevance to Christian faith and discipleship. Prerequisite: BITH 213 or 317, or ARCH 213.

BITH 369. Religions of Israel and the Near East. (4 Credits)
This course introduces key theoretical approaches to the study of religion, explores significant literary sources and engages important syntheses of the religious traditions from ancient Mesopotamia, Egypt, Israel, and Canaan. In particular, it focuses on how these traditions contribute to long-standing issues in philosophy of religion, such as "What is the nature of divinity?", "What does it mean for humans to be religious?", "How is evil and suffering explained?", and "What are the philosophical origins and implications of monotheism?" Prerequisite: BITH 211 or 221 or 312, or ARCH 211.

BITH 371. Early Christianity: From Rome to Byzantium. (4 Credits)
A history of Christianity from the first century to the eleventh century. Prerequisite: BITH 211 or 221 or 312, or ARCH 211; or BITH 213 or 317, or ARCH 213.

BITH 372. Historical Theology. (4 Credits)
Historical survey of people and movements which have shaped the faith of the Christian church from post-biblical times to the present. The course is open to non-majors but is not a substitute for BITH 315.

BITH 373. Marriage, Sex and Family in the Christian Tradition. (4 Credits)
An examination of marriage, sexuality, and family in the Christian tradition in light of scripture, doctrine, and church history. Prerequisite: BITH 315, 318, 372, 374, or 376.

BITH 374. Systematic Theology. (4 Credits)
A critical investigation of Christian doctrine. The course is open only to Biblical and Theological Studies and Philosophy majors. Prerequisites: BITH 211 or 221 or ARCH 211; or BITH 213 or ARCH 213 or BITH 317.

General Education: SHAR

BITH 375. Christian Ethics. (4 Credits)
An investigation into Christian ethical traditions, its biblical and theological dimensions, the development of Christian character, and the task of bringing Christian convictions to bear on ethical issues. Prerequisite: BITH 315, 318, 372, 374, or 376.
BITH 376. Theologies of Transformation. (4 Credits)
An investigation into the basic beliefs of the Christian faith, with special attention to their implications in the urban context, and the relationship between church and world. Fulfills the Christian Theology general education requirement. Only offered as part of Wheaton in Chicago. Prerequisites: BITH 211 or 221 or ARCH 211; OR BITH 213 or ARCH 213 or BITH 317.

General Education: SHAR

BITH 377. Topics in Christian Thought. (2 Credits)
This course is an in-depth treatment of some theological category (doctrine, figure or topic) or the application of Christian thought to contemporary issues. This course may be repeated for different topics. Prerequisite: BITH 315, 318, 372, or 376.

BITH 381. Topics in Spiritual Classics. (2 Credits)
This course is an in-depth study of one or more spiritual classics from the Christian tradition. The text(s) will vary according to instructor’s choice. May be repeated for different topics.

BITH 382. Church. (2 Credits)
A study of the doctrine of the church, attending to traditional and contemporary debates and formulations. Prerequisite: BITH 315, 318, 372, 374 or 376.

BITH 383. Gender and Theology. (2 Credits)
A theological examination of the representation of women and gender in Christianity. Attention is given to the historical and cultural contexts of the first century and contemporary period. Theological, historical, literary, exegetical, and feminist methods are variously employed. Prerequisite: BITH 315, 318, 372, 374 or 376.

BITH 384. Political Theology. (4 Credits)
A study of the theological basis for Christian public engagement, attending to the role of the state, responses to sociopolitical oppression, and the political dimensions of salvation. Prerequisite: BITH 315, 318, 372, 374, or 376.

BITH 385. Triune God. (4 Credits)
An overview of the doctrine of God, with particular attention to the doctrine of the Trinity. Both traditional formulations and contemporary contributions will be discussed. Prerequisite: BITH 315, 318, 372, 374, or 376.

BITH 388. Person and Work of Christ. (4 Credits)
A study of the doctrines of Christ and salvation, with attention to connections between the two. Topics include classic debates and formulations in church history and systematic theology. Prerequisite: BITH 315, 318, 372, 374, or 376.

BITH 389. Holy Spirit and Last Things. (4 Credits)
A study of pneumatology and eschatology, including biblical, historical, doctrinal, and hermeneutical approaches to the doctrines. Prerequisite: BITH 315, 318, 372, 374, or 376.

BITH 392. Scripture. (2 Credits)
A study of the doctrine of Scripture, with attention to evangelical perspectives on the doctrine. Prerequisite: BITH 315, 318, 372, 374 or 376.

BITH 393. Topics in Christian Thought. (4 Credits)
This course is an in-depth treatment of some theological category (doctrine, figure, or topic) or the application of Christian thought to contemporary issues. This course may be repeated for different topics. Prerequisite: BITH 315, 318, 372, 374, or 376.

BITH 394. Topics in Christian History. (4 Credits)
This course is an in-depth study of some phenomenon (figure, event, or time period) from the Christian past. This course may be repeated for different topics.

Tags: HP

BITH 396. Roman Catholic Theology. (4 Credits)
An introduction to Roman Catholic theology and practice. The course will also attend to points of similarity and difference between Roman Catholic and Protestant theology. Prerequisite: BITH 315, 318, 372, 374, or 376.

BITH 398. Eastern Orthodox Theology. (4 Credits)
An introduction to Eastern Orthodox theology and practice. The course will also attend to points of similarity and difference between Eastern Orthodox and Protestant theology. Prerequisite: BITH 315, 318, 372, 374, or 376.

The study of the New Testament in the geographical, historical, religious, and archaeological context of Israel at the time of Christ and the Greco-Roman world of Paul and the early church. Classroom lectures are supplemented by relevant preparation work (mapping, biblical and supplemental readings, etc.) and by regional on-site lectures in Israel (e.g. Jerusalem, Bethlehem, Samaria, Galilee), Greece (e.g., Philippi, Delphi, Thessalonica, Corinth, Athens, Patmos), modern Turkey (e.g. Ephesus, Istanbul, Pergamum, Smyrna, Laodicea), and Rome. *When travel to any site is not an option due to security issues, we will adjust our schedules accordingly. Prerequisites: BITH 211, 213.

BITH 418. Christian Theology in Context in the Holy Lands. (4 Credits)
The study of the Christian theology in the geographical, historical, religious, and archaeological context of Israel at the time of Christ and the Greco-Roman world of Paul and the early church. Classroom lectures are supplemented by relevant preparation work (mapping, biblical and supplemental readings, etc.) and by regional on-site lectures, circumstances permitting, in Israel (e.g. Jerusalem, Bethlehem, Samaria, Galilee), Greece (e.g., Philippi, Delphi, Thessalonica, Corinth, Athens, Patmos), modern Turkey (e.g. Ephesus, Istanbul, Pergamum, Smyrna, Laodicea), and Rome. *When travel to any site is not an option due to security issues, we will adjust our schedules accordingly. Prerequisite BITH 315

BITH 431. Old Testament Criticism. (2 Credits)
A study of the history, method, and results of modern historical-critical approaches to the Old Testament literature. Attention will also be given to a critical assessment of these developments from an evangelical perspective. Prerequisites: BITH 211 or 221 or 312, or ARCH 211; and BITH 325.

BITH 433. Jeremiah. (2 or 4 Credits)
A study of the literary content, theological message and contemporary relevance of the Book of Jeremiah against the background of Jeremiah’s historical setting. Prerequisites: BITH 211 or 221 or 312, or ARCH 211; and BITH 325.

BITH 434. Minor Prophets. (2 Credits)
A literary, historical and theological analysis of the Minor Prophets with special attention to contemporary application and connections with the liberal arts. Prerequisites: BITH 211 or 221 or 312, or ARCH 211; and BITH 325.
BITH 438. Wisdom Literature. (2 Credits)
A selection from the Old Testament wisdom books, Job, Proverbs, and Ecclesiastes. The apocryphal books of Jesus ben Sirach and the Wisdom of Solomon may also be read and studied in relation to canonical wisdom. Prerequisites: BITH 211 or 221 or 312, or ARCH 211; and BITH 325.

BITH 443. Hebrew Exegesis. (2 Credits)
Exegesis of books or selected portions of larger books of the Hebrew Old Testament. The focus of the course is to interpret the Hebrew text. The ability to translate the Hebrew text and analyze its syntactical structures is assumed because of the prerequisite. Course may be repeated for different topics. Prerequisites: BITH 211 or 221 or 312, or ARCH 211; and BITH 325; and HEBR 401.

BITH 444. Hebrew Exegesis. (4 Credits)
Exegesis of books or selected portions of larger books of the Hebrew Old Testament. The focus of the course is to interpret the Hebrew text. The ability to translate the Hebrew text and analyze its syntactical structures is assumed because of the prerequisites. Course may be repeated for different topics. Prerequisites: BITH 211, 221 or 312, or ARCH 211, and BITH 325 and HEBR 401.

BITH 448. Old Testament Topics. (4 Credits)
Study of an Old Testament portion or theme. Course may be repeated for different topics. Prerequisites: BITH 211, 221, or 312, or ARCH 211, and BITH 325.

BITH 449. Old Testament Topics. (2 Credits)
Study of an Old Testament portion or theme. Course may be repeated for different topics. Prerequisites: BITH 211 or BITH 221 or BITH 211 or BITH 312, and BITH 325.

BITH 451. Greek Exegesis. (2 Credits)
Exegesis of books or selected portions of larger books of the Greek New Testament. Capability of translation is assumed because of the prerequisite. The purpose of the course is not to teach Greek grammar but to interpret the New Testament from the Greek text. Course may be repeated for different topics. Prerequisites: BITH 213 or 317 or ARCH 213, BITH 325, and completion of GREK 201 or Greek competency.

BITH 452. New Testament Criticism. (2 Credits)
A study of the history, method, and results of modern historical-critical approaches to the New Testament literature. Attention will also be given to a critical assessment of these developments from an evangelical perspective. Prerequisites: BITH 213 or 317 or ARCH 213, and BITH 325.

BITH 454. Mark. (2 Credits)
A study of the second gospel focusing on Mark’s portrait of Jesus as the catalyst of the Kingdom and as suffering servant. Attention will be given to the relationship between literary forms and religious function in the writing of the gospel. Prerequisites: BITH 213 or ARCH 213, and BITH 325.

BITH 457. John. (4 Credits)
A comprehensive study of John’s gospel. Its insights into personal spirituality, both in the first century and today, will be emphasized in the context of current critical Johannine scholarship. Prerequisites: BITH 213 or 317 or ARCH 213 and BITH 325.

A study of the Book of Acts focused on the geographic and ethnic spread of the gospel, the birth and development of the apostolic church, the gospel’s relationship to the Jewish and wider Greco-Roman social worlds, and the theology of Acts. Prerequisite: BITH 213 or 317 or ARCH 213, and BITH 325.

BITH 459. Greek Exegesis. (4 Credits)
Exegesis of books or selected portions of larger books of the Greek New Testament. Capability of translation is assumed because of the prerequisite. The purpose of the course is not to teach Greek grammar but to interpret the New Testament from the Greek text. Course may be repeated for different topics. Prerequisite: BITH 213 or 317, or ARCH 213, and BITH 325 and completion of GREK 201 or Greek competency.

BITH 462. Pastoral Epistles. (2 Credits)
Careful investigation of 1 and 2 Timothy and Titus. Detailed textual analysis will lead to better understanding of the joys and struggles of Christian leadership under Paul’s direction. Social roles and cultural issues affecting the Church will receive special attention. Prerequisites: BITH 213 or 317 or ARCH 213, and BITH 325.

BITH 468. New Testament Topics. (2 Credits)
Study of a New Testament portion or theme. Course may be repeated for different topics. Prerequisites: BITH 213 or BITH 317 or ARCH 213, and BITH 325.

BITH 469. New Testament Topics. (4 Credits)
Study of a New Testament portion or theme. Course may be repeated for different topics. Prerequisites: BITH 213 or BITH 317 or ARCH 213, and BITH 325.

BITH 482. Advanced Topics in Christian Thought. (4 Credits)
This course is an in-depth treatment of some theological category (doctrine, figure, or topic) or the application of Christian thought to contemporary issues. This course may be repeated for different topics. Prerequisite: BITH 315, 318, 372, 374 or 376.

BITH 483. Augustine. (4 Credits)
A critical analysis of Augustine’s theology in historical context. Prerequisite: BITH 315, 318, 372, 374 or 376.

BITH 484. Thomas Aquinas. (4 Credits)
A critical analysis of Thomas Aquinas’ theology in historical context. Prerequisite: BITH 315, 318, 372, 374 or 376.

BITH 485. Martin Luther. (4 Credits)
A critical analysis of Martin Luther’s theology in historical context. Prerequisite: BITH 315, 318, 372, 374 or 376.

BITH 486. John Calvin. (4 Credits)
A critical analysis of John Calvin’s theology in historical context. Prerequisite: BITH 315, 318, 372, 374 or 376.

BITH 488. Karl Barth. (4 Credits)
A critical analysis of Karl Barth’s theology in historical context. Prerequisite: BITH 315, 318, 372, 374 or 376.

BITH 489. Advanced Topics in Christian Thought. (2 Credits)
This course is an in-depth treatment of some theological category (doctrine, figure, or topic) or the application of Christian thought to contemporary issues. This course may be repeated for different topics. Prerequisite: BITH 315, 318, 372, 374 or 376.

BITH 491. Early Christianity Senior Seminar. (2 Credits)
An advanced seminar for students in the Certificate for Early Christian Studies to be taken during their senior year. This course is required for the Certificate in Early Christian Studies. Prerequisite: BITH 315, 318, 372, 374, or 376.

BITH 494. Senior Seminar. (2 Credits)
An integrative capstone seminar for Biblical and Theological Studies majors to be taken during their senior year. Prerequisites: BITH 325 and BITH 374.
BITH 495. Independent Study. (1 to 4 Credits)
Independent study by qualified students in a special category or topic not offered in a regular course.

BITH 496. Internship. (1 to 4 Credits)
Graded pass/fail. Prerequisite: junior or senior standing with BITH major.

BITH 499. Honors Thesis. (2 or 4 Credits)
By application only.

Religion Courses

RELI 212. World Religions: Asia. (2 Credits)
A survey of the living religious traditions of South and East Asia, including that of Hindus, Buddhists, Jains, Parsees, Taoists, Confucianists, and Shintoists.

RELI 214. World Religions: Middle East. (2 Credits)
A survey of the living religious traditions of the Middle East, emphasizing Judaism and Islam.

RELI 225. Major World Religions. (4 Credits)
A survey of the world's major religions. Students will acquire understanding of the complex category of "religion", become familiar with the basic methodological approaches employed in religious studies, and gain an overview knowledge of the histories, beliefs, and practices of the major religions discussed. Particular focus will be placed on each religion's philosophical traditions. The reality of religious diversity will be engaged through a Christian philosophical and theological lens.

RELI 362. Judaism. (2 Credits)
An introduction to the historical development of the religion of Judaism, including Messianic Judaism; its origins, literature, Holy Days, rituals, theologies, movements, and future. A visit to a synagogue service is an integral part of the course.

RELI 364. Islam. (4 Credits)
A study of the origins of Islam in Arabia and its spread throughout the world. Special attention is given to Mohammed, the Qur'an, major tenets of Islam, different sects within Islam, the interface between Christianity and Islam, and the recent rise of Islamic fundamentalism.

RELI 492. Topical Studies. (2 or 4 Credits)
A phenomenological investigation across several religious traditions. Topics such as fundamentalism, cosmology, sacred writings, or mysticism will be covered.

RELI 495. Directed Study. (1 to 4 Credits)

Biblical and Theological Studies Major

The purpose of Biblical Studies is to familiarize students with the content and concepts of the Bible, the appropriate methodologies for the interpretation and the application of biblical teaching, and the research tools and resources necessary to pursue independent study of biblical texts and topics. For career purposes, the major may be used as a terminal degree, preparing students for employment in church and parachurch agencies by achieving a level of biblical literacy that will enable them to be active in lay church leadership and teaching ministries. As an initial degree, it prepares students for seminary training or for graduate work in theology and related disciplines.

In both required and elective courses, students are trained in basic biblical and theological knowledge. They are encouraged to develop skills that enable them to take into account the original linguistic, literary, historical, and cultural contexts of the Bible. Students are thereby enabled to consider critically religious traditions, beliefs, and practice in order to bring them into conformity with biblical revelation and to evaluate all of life and thought from the perspective of biblical principles.

The ultimate goal of Theological Studies is to ensure that the church's proclamation and the individual's life are faithful to God's revelation of Himself in Scripture. Students with good theological training will know how to evaluate critically their own personal theological leaning, be aware and respectful of other theological positions, and be able to distinguish those values that are distinctly Christian from those that the secular world espouses. Because of the diverse denominational and theological traditions that enrich our faculty and make up our student body, we bring a variety of approaches to the question of the church's role in society.

These objectives are attained through the academic processes that enable students to formulate a constructive, personal stance of Christian faith, to become aware of how culture affected biblical revelation which in turn dynamically affected culture, and to act upon a personal Christian worldview in daily life.

The Biblical and Theological Studies major meets the undergraduate requirements for seminary study suggested by the Association of Theological Schools in the United States and Canada (ATS). Students contemplating graduate studies should consult with the institution in which they are interested to be informed of any particular undergraduate courses needed. Students interested in an accelerated curriculum leading to the bachelor's and master's degrees should consult with their advisors regarding the prerequisites for the Wheaton graduate program.

Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for a major in Biblical and Theological Studies are 32 hours beyond the general education requirement in Biblical and Theological Studies. The general education requirement (12 hours) includes:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BITH 211</td>
<td>Old Testament Literature and Interpretation</td>
<td>4</td>
</tr>
<tr>
<td>BITH 221</td>
<td>Old Testament Literature in Three Traditions</td>
<td>4</td>
</tr>
<tr>
<td>ARCH 211</td>
<td>Old Testament Archaeology</td>
<td>4</td>
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<tr>
<td>BITH 213</td>
<td>New Testament Literature and Interpretation</td>
<td>4</td>
</tr>
<tr>
<td>BITH 317</td>
<td>The New Testament in the Holy Lands</td>
<td>4</td>
</tr>
<tr>
<td>ARCH 213</td>
<td>New Testament Archaeology</td>
<td>4</td>
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<tr>
<td>BITH 374</td>
<td>Systematic Theology</td>
<td>4</td>
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Major Core

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<tr>
<th>Code</th>
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<tbody>
<tr>
<td>BITH 325</td>
<td>Biblical Interpretation and Hermeneutics</td>
<td>4</td>
</tr>
<tr>
<td>BITH 372</td>
<td>Historical Theology</td>
<td>4</td>
</tr>
<tr>
<td>BITH 375</td>
<td>Christian Ethics</td>
<td>4</td>
</tr>
<tr>
<td>BITH 431</td>
<td>Old Testament Criticism</td>
<td>2</td>
</tr>
<tr>
<td>or BITH 452</td>
<td>New Testament Criticism</td>
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</tbody>
</table>
Bith 494 Senior Seminar 2

Electives
Select 2-4 credits of the following Biblical Textual Studies, New Testament, or Biblical Studies courses:

Biblical Textual Studies
- Bith 323 Literature of the Bible
- Bith 332-345 (see course lists)
- Bith 349 Old Testament Topics
- Bith 433-438 (see course lists)
- Bith 443-449 (see course lists)

New Testament
- Bith 323 Literature of the Bible
- Bith 351-365 (see course lists)
- Bith 368 The Book of Revelation
- Bith 451 Greek Exegesis
- Bith 454-469 (see course lists)

Biblical Studies
- Bith 323 Literature of the Bible
- Bith 326 Biblical Foundations of Worship
- Bith 327 Reading Scripture with the Church Fathers

Select 2-4 credits of the following Theological Studies courses:

Figures
- Bith 483-488 (see course lists)

Doctrines
- Bith 382 Church
- Bith 385 Triune God
- Bith 388 Person and Work of Christ
- Bith 389 Holy Spirit and Last Things
- Bith 392 Scripture
- Bith 393 Topics in Christian Thought
- Bith 373 Marriage, Sex and Family in the Christian Tradition
- Bith 377 Topics in Christian Thought
- Bith 383 Gender and Theology
- Bith 384 Political Theology
- Bith 394-398 (see course lists)

Select 2-4 credits of RELI or ARCH courses

Select 4-10 credits in Bith or ARCH or RELI electives

Students pursuing a major in Biblical and Theological Studies are encouraged to fulfill the General Education language requirement by taking Greek or Hebrew.

Biblical and Theological Studies Minor

Requirements
Requirements for a minor in Biblical and Theological Studies: 28 hours which includes the following:

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
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<tr>
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<td>Bith 213</td>
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<tr>
<td>or Bith 317</td>
<td>The New Testament in the Holy Lands</td>
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</tr>
<tr>
<td>Bith 315</td>
<td>Christian Thought (or equivalent)</td>
<td>4</td>
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</tbody>
</table>

Upper Division Study
Select 8 credits of Biblical Studies at 300- or 400 level
Select 8 credits of Theological Studies at 300- or 400 level

Total Credits 28

Biblical Archaeology Major

Coordinator, Associate Professor Adam Miglio
Other instructors: Daniel Master, Stephen Moshier, Douglas Penney, John Walton

Biblical Archaeology is an integrative discipline that lies at the intersection of biblical studies, ancient languages, and the social sciences. Students in this major are trained to study the Bible within its long-term geographic, historical, cultural, and social contexts. In addition to core courses in archaeology, history, and ancient languages (including biblical languages), the major requires participation in an approved archaeological excavation and an interdisciplinary emphasis in Anthropology, Ancient Languages or Geology.

The combination of these disciplines provides a strong liberal arts foundation for a variety of vocations as students will be equipped to think historically, linguistically, and archaeologically. Of particular importance for the Christian is the way in which biblical archaeology provides a foundation for biblical study. Today as never before the cultural setting of the biblical text is accessible through archaeological and linguistic discoveries in the Near East. By mooring Scripture in ancient lifeways it is possible to clarify and enliven its message while exploring its contemporary relevance.

Requirements
Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for a major in Biblical Archaeology are 36 hours beyond the 12 hours from general education requirements:

<table>
<thead>
<tr>
<th>Code</th>
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<th>Credits</th>
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<tr>
<td>Arch 211</td>
<td>Old Testament Archaeology</td>
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<tr>
<td>or Arch 213</td>
<td>New Testament Archaeology</td>
<td></td>
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<tr>
<td>Bith 315</td>
<td>Christian Thought</td>
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<tr>
<td>or Bith 374</td>
<td>Systematic Theology</td>
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</tbody>
</table>

Greek or Hebrew language competency

Core Requirements 20

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arch 345</td>
<td>Archaeology of the Classical World</td>
<td></td>
</tr>
<tr>
<td>Arch 365</td>
<td>Statecraft and International Relations in the Ancient Near East</td>
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</tr>
<tr>
<td>Arch 366</td>
<td>Archaeology of Biblical Lands</td>
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</table>

Select 6 credits of biblical studies in New Testament OR Old Testament:

New Testament
### Biblical Archaeology Minor

#### Requirements

**Requirements for a minor in Biblical Archaeology** are 20 hours, including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>General Education</strong></td>
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</tr>
<tr>
<td>BITH 211</td>
<td>Old Testament Literature and Interpretation</td>
<td>4</td>
</tr>
<tr>
<td>OR</td>
<td>BITH 213 New Testament Literature and Interpretation</td>
<td></td>
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<tr>
<td><strong>Core Requirements</strong></td>
<td></td>
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</tr>
<tr>
<td>ARCH 365</td>
<td>Statecraft and International Relations in the Ancient Near East</td>
<td>4</td>
</tr>
<tr>
<td>ARCH 366</td>
<td>Archaeology of Biblical Lands</td>
<td>4</td>
</tr>
<tr>
<td>ARCH 412</td>
<td>Advanced Archaeological Study</td>
<td>2</td>
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<tr>
<td><strong>Electives</strong></td>
<td></td>
<td></td>
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<tr>
<td>Select 6 credits of the following:</td>
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<tr>
<td>ARCH 317</td>
<td>Studies in Biblical Lands</td>
<td></td>
</tr>
<tr>
<td>ARCH 345</td>
<td>Archaeology of the Classical World</td>
<td></td>
</tr>
<tr>
<td>ARCH 367</td>
<td>Jerusalem, the Holy City</td>
<td></td>
</tr>
<tr>
<td>ARCH 369</td>
<td>Religions of Israel and the Near East</td>
<td></td>
</tr>
</tbody>
</table>

Field experience involving excavation, interpretation, and studies in related regional archaeology

| Total Credits | 20 |

1. Field experience involves excavation, interpretation, and studies in related regional archaeology (offered for four hours as:
   - ARCH 325 Archaeological Field Work
   - ARCH 326 Archaeological Field Work: Tel Shimron, Israel
   - ARCH 327 Archaeological Science.

### Early Christian Studies Certificate

**Interim Director, Professor** Gregory Lee

The Certificate in Early Christian studies is an interdisciplinary program that fosters the study of early Christianity as a source of wisdom for contemporary issues. It provides the most rigorous and integrative academic opportunity at Wheaton College for undergraduates to explore how theology relates to the world today.

Early Christianity is the most fertile source of theological reflection and spiritual renewal after the Bible. It marks the era of the martyrs, the monastics, the formation of orthodoxy, the conversion of the Roman Empire, and the synthesis of theology and classical learning. Christians throughout the centuries have drawn on the early church to generate new expressions of faithfulness. Martin Luther, John Calvin, John Wesley, and Dietrich Bonhoeffer were all students of early Christianity who appropriated its teachings and practices to face the challenges of their day. The early church continues to attract interest across Christian traditions for how it embodied intellectual creativity, spiritual vitality, and concrete action in the midst of great social and political change.

The Certificate's academic home is the Department of Biblical and Theological Studies, but it draws from several other departments, including Art, Anthropology, History, Christian Education and Ministry, Modern and Classical Languages, and Sociology. Students from any major are eligible for the Certificate.

The Certificate requires 24 total credits. All students are required to complete 4 credits of a cross-disciplinary course or experience, and to take a 2-credit Early Christianity Integration Seminar. The Certificate culminates in a 2-credit Early Christianity Senior Seminar where students will participate in the publication of annotated early Christian texts through a unique collaboration between The Wheaton Center for Early Christian Studies and a major publisher.

**Core Values:**

**Academic Rigor:** Wisdom and insight emerge from sustained reflection. The Center trains students to study the early church according to the highest scholarly standards.

**Focus and Breadth:** The Center expands students’ proficiencies by concentrating their attention on a specific period of history. As students explore interconnections across a range of early Christian phenomena, they develop interdisciplinary skills and creative perspective to address contemporary issues.

**Theology and Practice:** The early church faced many of the same challenges Christians encounter today. By integrating action and reflection, the early church modeled how Christians can live out their faith in the present.
**Religions of the World Certificate**

**Human Flourishing:** The goal of Christian thought and practice is life in God in all its fullness. By attending to the whole person, the early church nurtured the kind of formation Christian liberal arts also seeks to develop. The Center especially promotes the restoration of human flourishing in places of hardship and need.

**Requirements**

**Requirements for a Certificate in Early Christian Studies** are 24 credits:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core Requirements</strong></td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>BITH 371</td>
<td>Early Christianity: From Rome to Byzantium</td>
<td></td>
</tr>
<tr>
<td>or BITH 372</td>
<td>Historical Theology</td>
<td></td>
</tr>
<tr>
<td>BITH 337</td>
<td>Early Christian Integration Seminar</td>
<td></td>
</tr>
<tr>
<td>BITH 491</td>
<td>Early Christianity Senior Seminar</td>
<td></td>
</tr>
<tr>
<td><strong>Cross-Disciplinary</strong></td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>To prepare for an integrative project through the Early Christianity Integration Seminar, students must complete a 4-credit cross-disciplinary course or experience. Students may fulfill this requirement through a non-BITH course, an internship, or a global or experiential opportunity. This requirement must be completed before or concurrently with the Integration Seminar. Approval is required.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Electives</strong></td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>Students must complete at least 4 credits in each of two areas: Doctrinal and Textual. Students may apply for the opportunity to write a thesis for 2 or 4 elective credits (BITH 499).</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Doctrinal</strong></td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>BITH 382</td>
<td>Church</td>
<td></td>
</tr>
<tr>
<td>BITH 385</td>
<td>Triune God</td>
<td></td>
</tr>
<tr>
<td>BITH 388</td>
<td>Person and Work of Christ</td>
<td></td>
</tr>
<tr>
<td>BITH 389</td>
<td>Holy Spirit and Last Things</td>
<td></td>
</tr>
<tr>
<td>BITH 396</td>
<td>Roman Catholic Theology</td>
<td></td>
</tr>
<tr>
<td>BITH 398</td>
<td>Eastern Orthodoxy Theology</td>
<td></td>
</tr>
<tr>
<td><strong>Textual</strong></td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>BITH 327</td>
<td>Reading Scripture with the Church Fathers</td>
<td></td>
</tr>
<tr>
<td>BITH 483</td>
<td>Augustine</td>
<td></td>
</tr>
<tr>
<td>BITH 484</td>
<td>Thomas Aquinas</td>
<td></td>
</tr>
<tr>
<td>GREK 342</td>
<td>NT and Patristics</td>
<td></td>
</tr>
<tr>
<td>GREK 343</td>
<td>Septuagint</td>
<td></td>
</tr>
<tr>
<td><strong>Other</strong></td>
<td></td>
<td></td>
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<tr>
<td>BITH 354</td>
<td>Women in the World of the NT</td>
<td></td>
</tr>
<tr>
<td>ARCH 325</td>
<td>Archaeological Field Work</td>
<td></td>
</tr>
<tr>
<td>or ARCH 326</td>
<td>Archaeological Field Work: Tel Shimron, Israel</td>
<td></td>
</tr>
<tr>
<td>ART 352</td>
<td>Medieval &amp; Byzantine Art</td>
<td></td>
</tr>
<tr>
<td>PHIL 311</td>
<td>History of Philosophy: Ancient &amp; Medieval</td>
<td></td>
</tr>
<tr>
<td><strong>Other - approval required</strong></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>BITH 377</td>
<td>Topics in Christian Thought (Doctrinal or Textual)</td>
<td></td>
</tr>
<tr>
<td>BITH 393</td>
<td>Topics in Christian Thought (Doctrinal or Textual)</td>
<td></td>
</tr>
<tr>
<td>BITH 489</td>
<td>Advanced Topics in Christian Thought (Doctrinal or Textual)</td>
<td></td>
</tr>
<tr>
<td>BITH 482</td>
<td>Advanced Topics in Christian Thought (Doctrinal or Textual)</td>
<td></td>
</tr>
<tr>
<td>BITH 381</td>
<td>Topics in Spiritual Classics (Textual)</td>
<td></td>
</tr>
<tr>
<td>BITH 394</td>
<td>Topics in Christian History (HP; Textual)</td>
<td></td>
</tr>
<tr>
<td>BITH 399</td>
<td>Topics in Perennial Theological Questions (PI; Doctrinal)</td>
<td></td>
</tr>
<tr>
<td>GREK 334</td>
<td>Advanced Koine Reading (Textual)</td>
<td></td>
</tr>
<tr>
<td>GREK 487</td>
<td>Topics in Greek Language and Literature (Textual)</td>
<td></td>
</tr>
<tr>
<td>GREK 489</td>
<td>Topics in Greek Language and Literature (Textual)</td>
<td></td>
</tr>
<tr>
<td>GREK 495</td>
<td>Independent Reading (Textual)</td>
<td></td>
</tr>
<tr>
<td>LATN 333</td>
<td>Advanced Latin Readings (Textual)</td>
<td></td>
</tr>
<tr>
<td>LATN 487</td>
<td>Topics in Latin Language and Literature (Textual)</td>
<td></td>
</tr>
<tr>
<td>LATN 489</td>
<td>Topics in Latin Language and Literature (Textual)</td>
<td></td>
</tr>
<tr>
<td>LATN 495</td>
<td>Independent Study (Textual)</td>
<td></td>
</tr>
<tr>
<td>PHIL 454</td>
<td>Historical Seminar (Textual)</td>
<td></td>
</tr>
<tr>
<td>PHIL 455</td>
<td>Historical Seminar (Textual)</td>
<td></td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td>32</td>
</tr>
</tbody>
</table>

With approval of the coordinator of the Certificate program.

**Religions of the World Certificate**

**Coordinator, Professor** Andrew Hill

The Certificate in Early Christian studies is an interdisciplinary curriculum designed to help students investigate the histories, beliefs, practices, and socio-political contexts of the non-Christian religions of the world in global cultures. The interdisciplinary focus of the program prepares students to understand the diverse human experiences encountered in these religions. By exploring a wide variety of non-Christian religious expressions nationally and internationally, students will become more informed and better equipped Christian citizens as they engage our diverse world in life, vocation, and mission.

Students from any major are eligible for the 24-hour Religions of the World certificate. Students will complete an eight-hour core of courses that investigate philosophical, sociological and theological approaches to world religions. In addition, students will select 16 hours of courses from a variety of offerings from different academic departments. No more than 4 hours may be selected from the Global Christianity category.

**Requirements**

**Requirements for a Certificate in Religions of the World** are:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core Requirements</strong></td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>RELI 225</td>
<td>Major World Religions (pre-req CORE 101)</td>
<td></td>
</tr>
<tr>
<td>PHIL 315</td>
<td>Philosophy of Religion</td>
<td></td>
</tr>
<tr>
<td>or SOC 366</td>
<td>Sociology Of Religion</td>
<td></td>
</tr>
<tr>
<td><strong>Electives</strong></td>
<td></td>
<td>16</td>
</tr>
<tr>
<td>Select courses including the following elective options. No more than 4 hours may be selected from the Global Christianity category.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Religions of the World</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARCH 369</td>
<td>Religions of Israel and the Near East</td>
<td></td>
</tr>
</tbody>
</table>
Wheaton College

PHIL 226  Asian Philosophy
PHIL 227  Asian Philosophy
PHIL 315  Philosophy of Religion ¹
PSYC 484  Psychology of Religion
RELI 362  Judaism
RELI 364  Islam
SOC 366  Sociology of Religion ¹

*Global Christianity*
ANTH 324  Anthropology of Global Christianity
BITH 398  Eastern Orthodox Theology

¹ See core requirements above, either course becomes a potential elective for the certificate contingent upon the course selection for the core option.

# Hebrew Bible Minor

The Hebrew Bible minor promotes serious study of the original language of the Old Testament. Grammar and exegesis stand at the center of the minor, supplemented by readings in the Hebrew Bible, and four elective hours in cognate languages and disciplines. The minor is ideal for students anticipating advanced biblical studies in seminary or graduate school, as well as in Near Eastern studies and archaeology.

## Requirements

Requirements for a minor in Hebrew Bible are 20 hours including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Minor Requirements</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HEBR 101</td>
<td>Elementary Hebrew I</td>
<td>4</td>
</tr>
<tr>
<td>HEBR 102</td>
<td>Elementary Hebrew II</td>
<td>4</td>
</tr>
<tr>
<td>HEBR 201</td>
<td>Intermediate Hebrew</td>
<td>4</td>
</tr>
<tr>
<td>BITH 443</td>
<td>Hebrew Exegesis¹</td>
<td>4</td>
</tr>
<tr>
<td>or BITH 635</td>
<td>Hebrew Exegesis</td>
<td>4</td>
</tr>
<tr>
<td><strong>Electives</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select four credits of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BITH 443</td>
<td>Hebrew Exegesis</td>
<td>4</td>
</tr>
<tr>
<td>BITH 495</td>
<td>Independent Study</td>
<td></td>
</tr>
<tr>
<td>BITH 635</td>
<td>Hebrew Exegesis¹</td>
<td></td>
</tr>
<tr>
<td>BITH 532</td>
<td>Greek Exegesis in the Septuagint ¹</td>
<td></td>
</tr>
<tr>
<td>ARCH 417</td>
<td>Egyptian Hieroglyphics</td>
<td></td>
</tr>
<tr>
<td>ARCH 418</td>
<td>Akkadian Cuneiform</td>
<td></td>
</tr>
<tr>
<td>LING 321</td>
<td>Introduction to Linguistics</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 20

¹ Grad courses should be taken at the undergraduate level
Biology

The Department of Biology provides a program designed to equip students for competent, effective service and stewardship in the life sciences. Utilizing scientific inquiry, the department provides a broad curriculum in cellular, organismal, and ecosystems biology. Current issues are purposefully engaged within a Christian context. Comprehensive coverage of biological concepts, active participation in scientific research and communication, and expectations of professionalism prepare students for personal and professional vocations. Students who complete a Biology major are granted a Bachelor of Science degree unless they request a Bachelor of Arts degree.

The Biology faculty maintain ongoing research projects and encourage students to participate in collaborative research groups. Research experiences are designed to provide students with opportunities to gain and hone skills pertinent to the processes of scientific investigation and to contribute to current scientific knowledge. Active participation in these experiences develops the student's understanding of the processes of science, encourages critical thinking skills, and improves one's ability to better evaluate published scientific reports. Students who are interested in participating in research should contact individual faculty members.

Students interested in health professions should see the Biology Major (p. 75).

Students may register for biology elective credit in courses within cooperative programs such as those offered by Associated Colleges of the Chicago Area (ACCA) (http://acca.cuchicago.edu), the Morton Arboretum (http://www.mortonarb.org/learn-experience) or the Shedd Aquarium.

Biology Department Honors Program

Students who wish to apply to the Biology Department Honors Program in the Spring semester of one’s junior year must meet course, GPA, and research criteria. (For specific details, please visit the departmental website (https://www.wheaton.edu/academics/programs/biology/opportunities-activities-in-the-department/honors-in-biology/).

Students who are accepted to the Honors program must fulfill the following requirements:

1. Successful completion of BIOL 499 Biology Honors Research and Seminar (2 credit hours) in the fall and spring semesters of their senior year. This course will require research conducted with a Wheaton Biology professor, attendance at weekly class sessions, and presentations.
2. A written thesis evaluated in the Spring semester by the Honors student's supervising professor and a second reader (also a biology faculty member);
3. An oral defense of their research as well as their general knowledge of biology; and
4. An overall GPA of 3.5 and a 3.7 GPA in the major (including supporting courses) at the time of graduation.

All students will present their honors research in a symposium-like setting at the end of the spring semester. The departmental honors designation will appear on a student's transcript and on the printed program at graduation. All honors theses will be kept in the Biology Department and in the College library.

Faculty

Chair, Associate Professor Raymond Lewis
Ruth Kraft Strohschein Professor of Biology Kristen Page
Professor Nadine Rorem
Associate Professors Jennifer Busch, Rodney Scott, Jovanka Tepavcevic, Nathaniel Thom
Visiting Assistant Professor of Biology Lisa Burden
Instructor Coreen Ogilvie

Programs

- Biology Major (p. 75)
- Biology Major with Teacher Licensure (p. 76)
- Biology Major with a Master of Arts in Teaching (p. 76)
- Biology Minor (p. 76)

Courses

Biology Courses

See the Financial Information (p. 464) section of this catalog for course fees.

BIOL 201. Contemporary Topics in Biology. (4 Credits)
This course provides students with a study of the biological concepts generally applicable to living systems, including cell structure and function, genetics, heredity, evolution, systems of the human body, and a survey of living organisms. The course is organized around recent advances in biology and presents culturally relevant issues and topics for consideration and discussion. Students will be exposed to biological vocabulary and principles while also examining the history and culture surrounding specific and recent scientific discoveries. Focus will be placed on drawing students into application and integration of science and developing the ability to engage with scientific topics in the popular culture. Three lectures and three hours laboratory. This is a course for non-science majors.
Tags: SIP, SP

BIOL 241. Organization of Life: Genetics and Cell Biology. (4 Credits)
This course is a study of the basic organizational structure of living organisms, beginning with the chemical basis of life and its relationship to the higher levels of cellular organization. This course includes a systematic analysis of the roles of nucleic acids, proteins and lipids in the higher levels of biological organization. The mediation of life processes by gene expression, cell metabolism and signal transduction are considered in the context of prokaryotic populations and more complex multicellular organisms. Three lectures, three hours laboratory. Offered every Fall.
Tags: SP

BIOL 242. Diversity of Life: An Introduction to Zoology and Botany. (4 Credits)
This course introduces the biology and diversity of select groups of prokaryotes, fungi, protists, plants and animals. Topics include taxonomic diversity, structure, and introductory physiology at the organ and tissue level. An introduction to plant biology studies the structure, function, and development of plants as organisms and the diversity of algae, fungi, and plants. Three lectures, three hours laboratory. Offered every Spring (main campus) and every Summer (Wheaton College Science Station in South Dakota).
BIOL 243. Processes of Life: Ecology and Evolution. (4 Credits)
This course introduces the conceptual and theoretical foundations of ecology, animal behavior, and evolution. Students will be introduced to population and ecosystem processes as well as longer term processes of change, including evolution. Evaluation of theories of species dynamics will be viewed in a Christian perspective. Three lectures, three hours laboratory. Offered every Fall (main campus) and every Summer (Wheaton College Science Station in South Dakota). Prerequisite: BIOL 241 or BIOL 242.

BIOL 252. Modeling the Systems of Life. (4 Credits)
Combines seminar and investigative laboratory approaches to focus on the processes of science. Organisms useful for investigation of specific biological questions will be utilized to illustrate the concept of model systems. The course will include reading and discussing primary literature and reviews, and designing and conducting experiments. Two lectures, six hours laboratory. Offered every Fall and every Spring. Prerequisites: BIOL 241 and 242.

BIOL 304. Bioethics. (4 Credits)
See PHIL 304.
Tags: PI, SIP

BIOL 311. Reproductive Biotechnology. (4 Credits)
This course provides an overview of various biomedical techniques that relate directly to the beginnings of human life and/or to reproductive choices or decisions. The techniques considered include various methods of birth control, different forms of assisted reproduction techniques, genetic testing, genetic engineering, and stem cell research and therapy. The course covers the basic biology of these techniques and also considers them from social, theological and ethical perspectives. May not be applied towards the Biology major. Prerequisite: one Scientific Practice (SP) course.
Tags: SIP

BIOL 312. Contemporary Environmental Issues. (4 Credits)
An exploration of environmental issues considering the scientific details of environmental processes and problems, the social context of people depending on the environment and human responsibility to live sustainably and care for creation. Prerequisite: one SP course.
Tags: SIP

BIOL 314. Issues in Environmental Science. (2 Credits)
An interdisciplinary approach to environmental problems emphasizing humanity’s role and responsibility in the stewardship of biological resources. Prerequisite: 4 hr lab course in the legacy Studies in Nature cluster. May be applied toward the legacy general education nature requirement but not toward the Biology major. Counts as upper division science requirement under legacy general education only.

BIOL 315. Special Topics in Biology for General Education. (2 Credits)
Courses and seminars on special topics offered for legacy general education credit at the discretion of the department, including genetics, biotechnology, environmental issues, and bioethics. One two-hour or four-hour course may apply toward the legacy general education nature requirement. Students may register, with instructor’s approval, for one additional hour in a two-hour or four-hour general education biology course to meet state teacher licensure requirements. Not open to Biology majors. Prerequisite: one legacy general education science laboratory course. Counts as upper division science requirement under legacy general education only. (1-4)

BIOL 318. Global Health. (4 Credits)
An interdisciplinary approach to understanding the global patterns of health and disease. Students in this course will describe and analyze how ecology, social class, race and gender impact the global burden of disease. Students will also consider how our Christian call to love our neighbor impacts our response to the disparities seen in the global burden of disease. Prerequisite: one Scientific Practice (SP) course.
Tags: GP, SIP

BIOL 319. Introduction to Environmental Ethics. (2 Credits)
An interdisciplinary consideration of ethical issues in the environmental sciences. May be applied toward the legacy general education nature requirement and the Biology major. Prerequisites: one legacy general education science laboratory course. Counts as upper division science requirement under legacy general education only.

BIOL 322. Advanced Cellular and Developmental Biology. (4 Credits)
An overview of cell structure and function and the mechanisms of biological development. Topics include cellular membranes, signal transduction, the cell surface and extracellular matrix, organelles, the cytoskeleton, the cell cycle and cancer, and cellular differentiation. Understanding of these concepts will provide the basis of study of the development of form and function during embryogenesis. Consideration of the mechanisms of development will include the basic morphological and biochemical changes which occur, as well as the molecular and cellular interactions leading to these changes. Three lectures, three hours laboratory. Lab fee $85. Prerequisites: BIOL 241 and BIOL 242.

BIOL 323. Introduction to Pharmacology. (4 Credits)
A study of chemicals that affect human physiological systems and the mechanisms by which these chemicals alter cellular and molecular pathways. Class sessions will include lectures, discussion, and student presentations. Prerequisites: BIOL 241 and CHEM 232.

BIOL 324. Microbiology. (4 Credits)
The study of the biology of microorganisms will emphasize aspects unique to bacteria and archaea, and a brief overview of viruses. Topics include microbial cell structure, metabolism, physiology, genetics, taxonomy, ecology and evolution. Laboratory exercises include techniques for detecting, isolating, cultivating, quantifying, and identifying bacteria. Three lectures, three hours laboratory. Lab fee $85. Prerequisites: BIOL 241, CHEM 232, and CHEM 241 or CHEM 342.

BIOL 325. Immunology and Microbial Pathogenesis. (4 Credits)
This course is a study of the molecular and cellular interactions and principles of the vertebrate immune system. Topics include immune system development, humoral and cell-mediated immunity, and the immune system in health and diseases. In addition, immunization, immunodeficiency, autoimmunity and cancer immunology will be discussed. The application of immunology techniques in both basic research and clinical settings will be explored. The immune response to microbial pathogens (bacteria, viruses, parasites) will be integrated through both lecture and primary literature discussion. Class periods will involve lectures and discussion. Prerequisite: BIOL 241.

BIOL 331. Human Anatomy and Physiology I. (4 Credits)
Examination of human musculoskeletal, nervous, endocrine, and cardiovascular systems with an emphasis on their structure, function, and integration. Three lectures, three hours laboratory. Lab fee $85. Prerequisites: BIOL 241 and 242; CHEM 232.
BIOL 332. Human Anatomy & Physiology II. (4 Credits)
Continuation of BIOL 331. Structure, function, and integration of structure and function within the human lymphatic, immune, respiratory, digestive, renal, and reproductive systems. Integration of systems is emphasized. Three lectures, three hours laboratory. Lab fee $85. Prerequisite: BIOL 331.

BIOL 334. Parasitology. (2 Credits)
Includes classification and identification of major groups of endo- and ecto-parasites. Life-cycles and ecology of parasite transmission will be emphasized. Three lectures. Prerequisite: BIOL 242.

BIOL 335. Invertebrate Zoology. (4 Credits)
A study of the systematics, functional morphology, ecology and research with non-vertebrate organisms. Students are introduced to the amazing diversity of terrestrial and aquatic invertebrates. Field trips to local habitats in addition to the Field Museum and Shedd Aquarium are included. The purpose of this course is to introduce students to often overlooked organisms in the animal kingdom with the goal of cultivating a greater appreciation for this wonderful part of God's creation. Three lectures and three hours laboratory. Lab fee $85. Prerequisite: BIOL 242.

BIOL 336. Neurobiology. (4 Credits)
A neuroscience course with three major units: the basics of neuroanatomy, neurophysiology, neuroimaging, and the stress response; several key cellular and systems-level circuits within the brain that regulate metabolism, immunity, pain, memory, sleep, and interoception; and behaviors (nutrition, exercise, meditation and prayer) that promote brain health. Class sessions will include lectures, discussions, and student presentations of current research. Prerequisites: BIOL 241 and BIOL 242. AHS 271 or BIOL 252, and AHS 351 or BIOL 331 are recommended.

BIOL 338. Economic Botany. (4 Credits)
Principles of plant biology (plant anatomy, biochemistry, physiology, genetics, taxonomy, and ecology) that relate to uses of plants for food, fodder, drugs and other chemicals, lumber, and other uses. Lab fee $85. Three lectures, three hours laboratory. Prerequisites: BIOL 241 and 242.

BIOL 339. Plant Physiology. (4 Credits)
Basic principles of plant physiology including photosynthesis, mineral nutrition, water economy, respiration, nitrogen and lipid metabolism, development, growth, and plant growth substances. Three lectures, three hours laboratory. Lab fee $85. Prerequisites: BIOL 241 and 242 and CHEM 232.

BIOL 342. Introduction to Bioinformatics. (2 Credits)
This course introduces students to bioinformatics tools and analysis methods. Upon completion of the course, students should be more comfortable working with the vast amounts of biomedical and genomic data and online tools that will be relevant to their work in the coming decades. Methods for sequencing DNA and the analysis and comparison of genome data, methods for examining the transcriptomic and proteomic profiles, as well as phylogeny, will be discussed. Implications of various types of bioinformatics data for markers of disease, genetic mechanisms, biosystematics, biodiversity, and ethics of biotechnology will be considered. Prerequisite: BIOL 241.

BIOL 343. Plant Taxonomy. (4 Credits)
Includes systems of classification, distinguishing characteristics of groups, observation, and classification of vascular plants of the Black Hills and environs. Offered during the summer at the Wheaton College Science Station in South Dakota. Prerequisite: BIOL 242.

BIOL 345. Disease Ecology. (4 Credits)
An interdisciplinary approach to understanding the global ecological patterns and dynamics of disease. Students in this course will describe and analyze how ecology, social class, race, and gender impact the global burden of disease. Students will also consider how our Christian call to love our neighbor impacts our response to the disparities seen in the global burden of ecological stewardship and disease presence and transmission. Prerequisites: BIOL 241 or 242, and BIOL 243.

BIOL 347. Evolutionary Biology. (4 Credits)
This course will consider the basic principles, mechanisms, and patterns of evolutionary biology including a historical survey of related ideas. The course will also consider the historical and current relationship between evolutionary science and Christian faith. Prerequisites: BIOL 241, 242, and BIOL 243.

BIOL 348. Marine Biology. (4 Credits)
Study of the biology of marine organisms in the context of the geological and physical features of the ocean. Lectures, field trips, and learning snorkeling skills on campus are followed by a field trip to the Caribbean over spring break to apply these concepts to tropical marine environments. Additional fee assessed to cover travel and accommodation costs. Prerequisite: BIOL 242.

BIOL 352. Parasitology. (2 Credits)
Includes classification and identification of major groups of endo- and ecto-parasites. Life-cycles and ecology of parasite transmission will be emphasized. Prerequisite: BIOL 242.

BIOL 356. Genetics. (4 Credits)
Molecular, cytogenetic, classical, and population concepts of plant, animal, and human genetics. Three lectures, three hours laboratory. Lab fee $85. Prerequisites: BIOL 241, 242, and 252. Offered every Spring.

BIOL 372. Field Zoology. (3 Credits)
A course emphasizing observation and classification of Black Hills animals, with a concentration on insects, reptiles, birds, and mammals. Offered during the summer at the Wheaton College Science Station in South Dakota. Prerequisite: BIOL 242.

BIOL 381. Public Health and Nutrition in Developing Areas. (2 Credits)
An interdisciplinary approach to the problems of health and nutrition, with emphasis on Third World countries. Undergraduate restrictions: not open to freshmen, may not be applied toward the Biology major. Undergraduate prerequisite: CATC SP course.

BIOL 382. Field Natural History. (4 Credits)
Introduction to basic field and lab methods used in field natural history. Includes the basic nomenclature of flora and fauna in terrestrial, as well as aquatic systems. Basic geologic processes are discussed, and the major rock formations of the Black Hills are identified in the field. The course also provides an overview of the history and philosophy of natural history. Offered during the summer at the Wheaton College Science Station in South Dakota.

BIOL 385. Special Topics In Biology. (2 Credits)
Seminars or courses in special areas offered at discretion of the department.

BIOL 386. Special Topics In Biology. (4 Credits)
Seminars or courses in special areas offered at discretion of the department.
BIOL 461. General Biochemistry. (4 Credits)

BIOL 494. The Integrated Biologist. (2 Credits)
A senior capstone experience in which Christian perspective and biological understanding are integrated to explore and better understand science, origins, environment, medicine, and ethical obligations. Prerequisite: senior standing, for Biology majors only. Offered every Fall and every Spring. (lin)

BIOL 495. Biological Research. (2 or 4 Credits)
Laboratory and/or library research conducted with a Wheaton College Biology faculty member or with a biologist at another institution (if pre-approved by the Biology Department). Through laboratory research, students hone skills in using proper lab technique, keeping a laboratory notebook, critical thinking and problem solving, and presenting their findings in oral and/or written format. In library research, students identify and obtain pertinent articles; read, analyze, and critique the articles; and synthesize information presented in the articles. Students must prepare a short research proposal in collaboration with the participating faculty member as a prerequisite for enrolling in the course. Lab fee $100. Prerequisites: BIOL 241 and BIOL 242.

BIOL 496. Biology Internship. (2 or 4 Credits)
Students gain practical experience during a summer or semester in a biologically-related field. Student work is monitored and assessed by an on-site supervisor and a Biology faculty member. Prerequisites: Biology major with at least junior standing and pre-approval by the Biology Department Chair.

BIOL 497. Biology Research Seminar. (1 Credit)
A weekly seminar featuring presentations and discussions of current research in biology. Most seminars are presented by biologists from other institutions. In the student journal club sessions, students collaborate with faculty in the presentation of recently published articles. Graded Pass/Fail. May be taken up to twice for credit. Can be counted as credit toward the Biology major and is not included in the calculation of the limit of three non-lab courses that can be counted toward the Biology major. One hour per week. Prerequisites: Sophomore or higher standing. Consult current year’s course offerings.

BIOL 499. Biology Honors Research and Seminar. (2 Credits)
Laboratory research conducted with a Biology faculty member, and a weekly seminar involving the critique of primary literature and listening to scientific research presentations. Prerequisite: Acceptance to the Biology Honors’ Program. (lin)

**Biology Major Requirements**

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for a major are 36 hours in Biology including:

### Major Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIOL 241</td>
<td>Organization of Life: Genetics and Cell Biology</td>
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<td>Modeling the Systems of Life</td>
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<tr>
<td>BIOL 356</td>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 494</td>
<td>The Integrated Biologist</td>
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</table>

**Electives**

Select 14 credits of electives, including at least one course from each of three course clusters:

- **Cluster 1 - Cellular & Molecular Biology**
  - BIOL 322 Advanced Cellular and Developmental Biology
  - BIOL 323 Introduction to Pharmacology
  - BIOL 324 Microbiology
  - BIOL 325 Immunology and Microbial Pathogenesis
  - BIOL 461 General Biochemistry

- **Cluster 2 - Organismal Biology and Physiology**
  - BIOL 331 Human Anatomy and Physiology I
  - BIOL 332 Human Anatomy & Physiology II
  - BIOL 334 Parasitology
  - BIOL 335 Invertebrate Zoology
  - BIOL 336 Neurobiology

- **Cluster 3 - Ecology, Environment, and Evolution**
  - BIOL 338 Economic Botany
  - BIOL 339 Plant Physiology
  - BIOL 342 Introduction to Bioinformatics
  - BIOL 343 Plant Taxonomy
  - BIOL 345 Disease Ecology
  - BIOL 347 Evolutionary Biology
  - BIOL 348 Marine Biology
  - BIOL 382 Field Natural History

**Total Credits** 36

A student majoring in biology is also required to develop a sound understanding of chemical processes; this requirement is fulfilled in one of two ways:

**Option A**

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<tr>
<th>Code</th>
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<tbody>
<tr>
<td>CHEM 231</td>
<td>General Chemistry I</td>
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<tr>
<td>CHEM 232</td>
<td>General Chemistry II</td>
<td></td>
</tr>
<tr>
<td>CHEM 341</td>
<td>Organic Chemistry I</td>
<td></td>
</tr>
<tr>
<td>CHEM 342</td>
<td>Organic Chemistry II</td>
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</table>

**Option B**

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<tbody>
<tr>
<td>CHEM 231</td>
<td>General Chemistry I</td>
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</tr>
<tr>
<td>CHEM 232</td>
<td>General Chemistry II</td>
<td></td>
</tr>
<tr>
<td>CHEM 241</td>
<td>Principles of Organic Chemistry</td>
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</tbody>
</table>

Additional 4 credits in 1-2 natural sciences course(s) ^1

^1 Select 4 credit hours in 1-2 natural sciences course(s) that are not Scientific Issues & Perspectives (SIP) or Advanced Integrative Seminar (AIS) courses.
Cross-referenced courses cannot be counted toward a Biology major if they are included in the major or minor program of another department.

Students may register for biology elective credit in courses within cooperative programs such as those offered by Associated Colleges of the Chicago Area (ACCA) (http://acca.cuchicago.edu), the Morton Arboretum (http://www.mortonarb.org/learn-experience) or the Shedd Aquarium.

**Medical, Dental and Health Professions:**
Biology majors interested in medical, dental and other health professions must meet specific requirements of the professional schools to which they apply. See these requirements and recommendations by the Health Professions Office (p. 212). Please also talk to your Biology Major Advisor for guidance.

## Biology Major with Teacher Licensure

### Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

**Requirements for teacher licensure by the State of Illinois** in biology are met by completing 30 hours of required courses in biology and 20 hours of supporting courses, as follows:

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<td>BIOL 322</td>
<td>Advanced Cellular and Developmental Biology</td>
<td>4</td>
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<tr>
<td>or BIOL 364</td>
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<tr>
<td>BIOL 494</td>
<td>The Integrated Biologist</td>
<td>2</td>
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<tr>
<td>Select 4 credits of 300-level lab classes</td>
<td>4</td>
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</table>

**Required Supporting Courses**

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</tr>
<tr>
<td>CHEM 241</td>
<td>Principles of Organic Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>SCI 321</td>
<td>Science for Middle and High School Teachers</td>
<td>2</td>
</tr>
<tr>
<td>SCI 325</td>
<td>Methods of Teaching Middle Grade Science</td>
<td>2</td>
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<tr>
<td>Select one of the following:</td>
<td>4</td>
<td></td>
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<tr>
<td>ASTR 305</td>
<td>Astronomy</td>
<td></td>
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<tr>
<td>ENVR 221</td>
<td>Living in the Environment: An Introduction to Environmental Science</td>
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<tr>
<td>GEOL 201</td>
<td>Exploring the Dynamic Earth - Field</td>
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<tr>
<td>GEOL 211</td>
<td>Exploring the Dynamic Earth</td>
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<tr>
<td>PHYS 221</td>
<td>General Physics I</td>
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</table>

Total Credits 50

Cross-referenced courses cannot be counted toward a Biology major if they are included in the major or minor program of another department.

Students may register for biology elective credit in courses within cooperative programs such as those offered by Associated Colleges of the Chicago Area (ACCA) (http://acca.cuchicago.edu), the Morton Arboretum (http://www.mortonarb.org/learn-experience) or the Shedd Aquarium.

## Biology Major with a Master of Arts in Teaching

A Master of Arts in Teaching (M.A.T.) program is available with a Biology major. A combined Bachelor's/M.A.T. program may be completed in five years and one summer. This combined Bachelor's and Master's program is only available to currently enrolled students. See the Education (p. 115) section of this catalog for further details.

## Biology Minor

### Requirements

Requirements for a minor in Biology are 20 hours, including:

<table>
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<tr>
<td>Select 8 credits, including at least 4 credits at the 300-level</td>
<td>8</td>
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</tbody>
</table>

Total Credits 20

Unless accepted for the major, Biology General Education classes do not count toward a minor.

Cross-referenced courses cannot be used for the minor in Biology if they are included in the major or minor program of another department.

Students may register for biology elective credit in courses within cooperative programs such as those offered by Associated Colleges of the Chicago Area (ACCA) (http://acca.cuchicago.edu), the Morton Arboretum (http://www.mortonarb.org/learn-experience) or the Shedd Aquarium.
Business and Economics

The Department of Business and Economics offers majors in Economics and in Business/Economics and a minor in Economics. Both programs build on an economic core consistent with a liberal arts foundation and are intentional about integrating the Christian faith and perspective with the study of economic life.

The Economics major is designed to help students develop skills in analysis and decision making by becoming thoroughly grounded in the principles of economic reasoning. At the same time, students also gain an understanding of the economic relationships, forces, and patterns that influence the economic order on both a national and global basis. An effort is made to apply economic analysis to a wide range of social and economic issues, such as poverty, inequality, growth, and development. The Economics major provides a broad and versatile base of preparation that is ideal for a lifelong career in business, government, law, public policy, or other professional tracks. It also provides excellent background for further graduate study in economics, public policy, business administration, or law.

The Business/Economics major focuses on economic life at the level of the firm. Any organization, whether it be a for-profit or not-for-profit endeavor, must deal with the issues of purpose, product/service creation, supply chains, human and financial resources, technology, and information. All of these issues must be considered in the context of a dynamic global economy. The Business/Economics major offers a range of courses which enable students to develop their understanding of these foundational issues as they relate to principles of accounting, finance, management, marketing, and information science.

Study Abroad: The department periodically offers an international studies program that focuses on visiting a specific region of the world. Credit hours and courses may vary, depending on the nature of the program. Students are also encouraged to learn about other study abroad programs from the Global and Experiential Learning Office or through the Council for Christian Colleges and Universities (http://www.cccu.org).

Honors Program: The department offers an honors program for eligible junior and senior majors who want to undertake independent research. The honors program requires 4 hours of a research methods course (ECON 375 Econometrics for Business and Economics) and four hours of honors thesis (B EC 499 or ECON 499). Additional details about the honors program are available from the department office.

Internships: Students may earn between 1 and 4 hours of academic credit for work experience. Students are responsible for obtaining their own internship in either the private or public sector. The internship work responsibilities must be either business or economics related and have educational value. The internship must be approved in advance, may be paid or unpaid, and must be supervised.

Faculty

Chair, George F. Bennett Professor of Economics, Jason Long
Carl R. Hendrickson Professor of Business, Annette Tomal
Norris A. Aldeen Professor of Business, Min-Dong Paul Lee
William Volkman Associate Professor of Business and Law, Stephen Bretsen
Professor Seth Norton
Associate Professors Jeremy Cook, Nick Guo, Hannah Stolze, Alex Wong
Assistant Professors Matthew Forsstrom, Enoch Hill

Programs

- Business/Economics Major (p. 80)
- Economics Major (p. 81)
- Economics Minor (p. 81)

Courses

Business Economics Courses

B EC 225. Consumer Finance. (2 Credits)
Management and stewardship of consumer income and expenditures in the areas of budgeting, credit, housing and mortgages, insurance, savings and investment, and consumerism. Does not count toward a department major.

B EC 226. Financial Accounting. (4 Credits)
An introduction to basic accounting theory, principles, and financial information systems. This first of a two-course sequence covers the double entry accrual system of accounting and addresses financial reporting issues related to accounting for current assets, liabilities, and long-lived assets.

B EC 227. Managerial Accounting. (4 Credits)
This second of a two-course sequence covers financial accounting issues related to business organization, accounting for long-term debt and owner’s equity, and financial analysis. Students are also introduced to an array of managerial accounting topics including cost-volume-profit analysis, job order, and process costing, budgeting, relevant costs and decision making. Prerequisite: B EC 226.

B EC 229. Management Information Systems. (2 Credits)
Provides an overview of current business office software and its application and implementation within a business framework. The use of spreadsheets, databases and presentation graphics are explored as students develop their own businesses. The creation of a financial business plan, an inventory tracking system, and a business promotional presentation are used to develop the student’s understanding of the software as it relates to everyday business practices.

B EC 321. Statistics. (4 Credits)
Foundational statistical principles including descriptive and inferential statistics, probability, hypothesis testing (one-sample tests, two-sample independent and dependent tests), ANOVA, and regression and correlation analyses. Statistical application with Excel is an integral part of the course.

B EC 328. Business Ethics. (2 Credits)
Corporations and the economy in the US and elsewhere are reeling from the effects of an unprecedented series of moral scandals. What ethical guidelines must be put in place to reestablish confidence in the integrity of business? Some of the questions are: is it ethical to pay bribes in foreign countries, or to go along with their treatment of people when those ways are seen as unjust in our society? What are the ethical obligations of truth telling in the context of business negotiations or advertising? What rights do employees have, and how can businesses best respect these rights? What is the proper place of capitalist institutions in a just society? What is ‘fair treatment’ for women and minorities in business? In this course, we will have a brief survey of basic ethical concepts and general moral theory, and then discuss a variety of ethical issues that arise in the areas of business and work. The general orientation will be towards an integration of the theoretical with the practical. Taught jointly with the Business Economics and Philosophy Departments. Prerequisite: ECON 211.
B EC 331. International Business. (4 Credits)
Examines international trade issues, investment flows, and foreign exchange concerns as they relate to the firm. The impact of legal, political, and cultural forces on the multinational enterprise are examined in the context of the strategic management process. Case studies are heavily used.

B EC 334. Entrepreneurship. (2 Credits)
This course uses a multi-disciplined approach to examine the qualities of a new business venture. Students will gain knowledge of how to identify potential business opportunities, conduct market analysis and feasibility studies, write a business plan, and access their entrepreneurial acumen in the context of social responsibility. Majors only. Prerequisites: B EC 226, 341.

B EC 341. Principles of Marketing. (4 Credits)
Role of marketing within an enterprise. Includes a survey of the impact of product, price, promotion, advertising, distribution channels, consumer behavior, and market segmentation on marketing decisions.

B EC 342. Principles of Management. (4 Credits)
Introduction to the effective management of organizations, including principles of strategizing, organizing, controlling, and leading. Special emphasis on the human side of management and the social responsibility of enterprise.

B EC 343. Consumer Behavior. (4 Credits)
This course explores the psychology of consumer thought and rationale, with a focus on theory and research, for the purpose of examining the social, cognitive, and cultural factors that influence individual consumer behavior. Prerequisite: B EC 341.

B EC 352. Business Law. (2 Credits)
An introduction to basic legal concepts and principles that apply to business transactions. The course will focus on the laws related to contracts, commercial transactions, and agency relationships. Ethical and other issues in business law are examined from a Christian perspective.

B EC 355. Cost Accounting. (4 Credits)
A study of accounting information for managerial reporting and decision making, including cost analysis, performance measurement, variance analysis, activity based/job order/process costing, allocation issues, information for decision making, and capital budgeting. Prerequisites: B EC 226, 227.

B EC 367. Principles of Finance. (4 Credits)
This course is a study of basic financial concepts underlying valuation of financial assets and managing the firm. Financial management issues covered in the course include financial analysis, capital budgeting, capital structure, long-term financing, financial planning, dividend policy, working capital management, and international finance. Prerequisites: B EC 226 (or MATH 263 or MATH 363 or MATH 163 (AP Statistics credit)), and B EC 321.

B EC 377. Marketing & Supply Chain Strategy. (4 Credits)
The importance of logistics and supply chain management is receiving top management attention in major firms on a global basis. While supply chain management has captured the attention and interest of higher-level executives, successful companies still realize that it is the logistics of an enterprise that manages order fulfillment to their customers effectively and efficiently to build and sustain competitive advantage and profitability. The logistics process affects almost every aspect of human activity, directly or indirectly. Few areas of business have as significant an impact as logistics. The primary function of this course is to provide students with a strong background in marketing, logistics and transportation within the context of supply chain management processes. Marketing and Supply Chain Strategy is a course designed to enable future business leaders to utilize business theories to analytically assess decisions and develop effective strategies through demand and supply integration. The objective of demand and supply integration (DSI) is to align sales, marketing, operations, logistics, procurement, and finance in a strategy that balances supply and demand. Prerequisite: B EC 341. Corequisite: B EC 342.

B EC 382. Topics in Business. (2 Credits)
Selected topics designed to give added breadth and depth to the understanding of business. Prerequisite: Various depending on the topic.

B EC 384. Topics in Business. (4 Credits)
Selected topics designed to give added breadth and depth to the understanding of business. Prerequisite: Various depending on the topic.

B EC 421. Organizational Behavior. (2 Credits)
Examination of human behavior in work organizations. Focuses on enhancing individual and organizational performance by understanding motivation, job attitudes, leadership, group dynamics, organizational culture, and organizational development. This highly interactive class is run as a self-managed work team.

B EC 431. Investment Analysis and Capital Markets. (4 Credits)
This course analyzes the markets for investment of funds with special emphasis on debt and equity instruments, and the determination of asset prices. The theory and practices underlying investment portfolio management also are studied as they relate to these markets. Prerequisites: ECON 211, 212. B EC 321 (or MATH 263 or MATH 363 or MATH 163 (AP Statistics credit)), and B EC 367.

B EC 433. New Venture Strategy. (2 Credits)
The course is designed to provide tools that will help students develop and evaluate new business ideas. The course will discuss frameworks for understanding the entrepreneurial process, decision and behavioral sciences as they relate to business strategy, Biblical underpinnings of entrepreneurship, and financing and starting the new venture. Prerequisites: ECON 211, B EC 226, 341, 367.

B EC 493. Business Strategy. (2 Credits)
A required course for Business Economics majors that highlights key principles and ideas from the business disciplines of accounting, finance, management, and marketing. A major goal of the course is to develop insights into the interrelatedness of business principles as they apply to business strategy and solving problems in the context of a competitive business environment. Case analysis and/or simulations will be used to develop the conceptual material. Prerequisites: Majors only; B EC 226 and B EC 321 (or MATH 263 or MATH 363 or MATH 163 (AP Statistics credit)); Corequisites: B EC 341, 367.

B EC 494. Senior Seminar. (2 Credits)
An integrative capstone course examining the liberal arts, normative aspects of business and economics, the role of Christians at work and in the marketplace. Prerequisite: B EC major and senior standing.
ECON 211. Principles of Microeconomics. (4 Credits)
An introduction to economic ways of thinking. Resource allocation, production, and distribution mechanisms are explored. 

Tags: SI

ECON 212. Principles of Macroeconomics. (2 Credits)
An examination of national income and product determination. Monetary and fiscal policy are analyzed as tools for dealing with inflation, unemployment, and economic growth. Prerequisite: ECON 211 (can be a co-requisite if ECON 212 taken during B quad).

ECON 325. Intermediate Macroeconomics. (4 Credits)
A theoretical, institutional, and empirical study of national income distribution, inflation, unemployment, economic stability, and the rate of growth. Examines domestic and international macroeconomic policy issues. Examines the development of macroeconomic theories. Prerequisites: ECON 211, 212, and MATH 231 or 221.

ECON 326. Intermediate Microeconomics. (4 Credits)
This course helps students develop a sound understanding of microeconomic analysis. The primary objective of the course is to study consumer and producer behavior and analyze their interactions in the market system from three dimensions: economic intuition, math, and graphs. Two themes of the course are economic decisions and economic institutions. The course will explore how various economic agents make choices, and the implications of these choices for the overall allocation of resources for society. The course then studies various market imperfections and their consequences for welfare. Prerequisites: ECON 211, 212, and MATH 231 or 221.

ECON 345. Money & Banking. (4 Credits)
The course examines the nature of banks as financial intermediaries within the context of the financial services industry and the Federal Reserve System. The significance of money as an economic variable, and the relationship between money and banking are explored. The nature of a bank's portfolio of financial assets is studied from both a theoretical and applied perspective. Prerequisite: ECON 212. Majors only.

ECON 346. Public Finance. (4 Credits)
This course examines the public sector and its policy process including voting models, expenditure, priorities, insurance programs, and taxation principles. Special attention is given to Social Security, health care, and welfare issues. Prerequisite: ECON 211; recommended ECON 212.

ECON 347. Urban Economics. (4 Credits)
Examines issues relating to urban growth and public policy. Topics include urban housing, poverty, local government, labor market, transportation, education, crime, land-use controls and zoning, and economic development. Recommended: ECON 211.

ECON 348. Economics of Competition. (4 Credits)
Examines the theoretical and empirical foundations of competition in economics. The course includes a review of the neoclassical economics of competition, introduces institutional and informational perspectives on competition. The course entails extensive readings of empirical studies highlighting the various forms of competition and addresses the strengths and weaknesses of alternative approaches to the study of competition. Prerequisites: ECON 211 and B EC 321 (or MATH 263 or MATH 363 or MATH 163 (AP Statistics credit)).

ECON 361. Evolution of Global Economy. (4 Credits)
This class explores the nature and historical origins of economic globalization. When and how did people, technology, goods, and capital begin to flow so extensively across national borders, and what has been the impact of these flows on international economic development? These questions are approached chronologically, beginning with the pre-history of modern globalization before turning to the beginning of true globalization during the long 19th century. The second half of the course is devoted to understanding the chaotic first half of the 20th century, with an emphasis on the international Great Depression, and the reintegration of the world economy from the postwar period to the present. Throughout, students will learn to think analytically and empirically about key issues in economics and history, largely through reading primary economic research in journal articles and book chapters. Prerequisites: ECON 211, 212, and B EC 321 (or MATH 263 or MATH 363 or MATH 163 (AP Statistics credit)).
ECON 366. International Economics. (4 Credits)
Studies the theory of international trade and finance. Examines policy exchange rates issues including the balance of trade, economic integration, and international debt. Prerequisites: ECON 211, 212.

ECON 374. Globalization. (4 Credits)
See IR 375
Tags: GP SI

ECON 375. Econometrics for Business and Economics. (4 Credits)
This is a course in applied econometrics. The course focuses on regression analysis as a research tool that economists and other social scientists use to estimate economic and social relationships and to test hypotheses about those relationships using real-world data. Topics include simple and multiple regression analysis, hypothesis testing, dummy variable techniques, specification tests, and instrumental variable analysis. Students will learn hands-on data analysis and model estimation, as well as the use of the econometric software STATA. Prerequisites: ECON 211 and B EC 321 (or MATH 263 or MATH 363 or MATH 163 (AP Statistics credit)); recommended ECON 326.

ECON 376. Game Theory. (4 Credits)
This course introduces the basic concepts of game theory. Game theory is the study of strategic decision-making—that is, making decisions when individuals’ actions affect each other. It is a powerful tool, applicable in a broad range of fields, from economics and business, to politics and law, and even biology. Firm competition, auctions, international conflict resolution, and animal mating behavior are all multi-agent decision problems; they are all games. Students learn how to recognize games, how to formally model their key properties, and how to predict outcomes based on concepts of equilibrium. Above all, students learn to think strategically with precision and rigor. Prerequisite: ECON 326

ECON 378. Economics of Labor & Poverty. (4 Credits)
A theoretical and empirical application of microeconomics to the socioeconomic issues related to labor markets. Students will learn to evaluate social policies and programs with the rigor provided by theory and the evidence from empirical research. Topics include labor supply and demand, mobility, and wage differentials, with particular focus on human capital, discrimination, and poverty in the United States. Prerequisites: ECON 326 and (B EC 321 or MATH 263 or MATH 363 or MATH 163 (AP Statistics credit)).

Tags: DUS

ECON 392. Topics in Economics. (2 Credits)
Selected topics designed to give added breadth and depth to the understanding of economics. Prerequisites: ECON 211, 212.

ECON 394. Topics in Economics. (4 Credits)
Selected topics designed to give added breadth and depth to the understanding of economics. Prerequisites: ECON 211, 212.

ECON 492. Senior Seminar. (2 Credits)
The Economics Senior Seminar invites students to use what they have learned in their deep study of economics and their broad exploration of the liberal arts through the Christ at the Core curriculum to engage with classics of the discipline. They will read and discuss seminal papers from several of the most influential economists. They will explore big economic questions from historical and contemporary perspectives. They will wrestle with complex and pressing policy debates. Prerequisite: ECON 375, Senior standing; Economics majors only.

ECON 494. Seminar & Research. (4 Credits)
As an Economics Capstone Experience, the course allows students to pursue deep integration of economics and the concepts they have explored throughout the entire Christ at the Core curriculum. The structure for the course is split into the two broad components of seminar and research. In seminar, students are challenged to engage with selected texts from several of the most influential economists, to weigh in on current policy debates, and to reflect on and articulate their understanding of vocation and the liberal arts. The research component of the course requires students to develop a clear and concise research question, seek data supported responses to those questions, and to present their findings both through a formal paper and in class presentation. Prerequisites: Senior standing, majors only; ECON 375.

ECON 495. Independent Study. (1 to 4 Credits)
Individual study on major issues for the advanced student with approval of the department chair. See Department guidelines.

ECON 499. Honors Thesis. (4 Credits)
An independent research project requiring original research, developed into a scholarly paper and culminating in an oral examination. By application to the department only. The honors thesis may not be counted toward the total hours required to complete the major. Prerequisite: ECON 375.

### Business/Economics Major

#### Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

#### Requirements for the Business/Economics major

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 212</td>
<td>Principles of Macroeconomics</td>
<td>2</td>
</tr>
<tr>
<td>B EC 226</td>
<td>Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>B EC 321</td>
<td>Statistics</td>
<td>4</td>
</tr>
<tr>
<td>B EC 341</td>
<td>Principles of Marketing</td>
<td>4</td>
</tr>
<tr>
<td>B EC 342</td>
<td>Principles of Management</td>
<td>4</td>
</tr>
<tr>
<td>B EC 367</td>
<td>Principles of Finance</td>
<td>4</td>
</tr>
<tr>
<td>B EC 493</td>
<td>Business Strategy</td>
<td>2</td>
</tr>
<tr>
<td>B EC 494</td>
<td>Senior Seminar</td>
<td>2</td>
</tr>
<tr>
<td>Select 10 credits of department courses</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 36

1 Select 10 credits of department courses designated as either Business/Economics electives (B EC) or courses listed as Economics required or elective courses (ECON).

Business/Economics majors must also take eight hours of supporting course work in economics:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 211</td>
<td>Principles of Microeconomics</td>
<td>4</td>
</tr>
<tr>
<td>ECON 325</td>
<td>Intermediate Macroeconomics</td>
<td>4</td>
</tr>
<tr>
<td>or ECON 326</td>
<td>Intermediate Microeconomics</td>
<td>4</td>
</tr>
</tbody>
</table>
In addition, students must take MATH 221 Applied Calculus or MATH 231 Calculus I. Additional math courses beyond MATH 221 or MATH 231 are recommended. Seniors are required to take a comprehensive examination. A maximum of six hours of combined internship and independent study can be applied to the major.

**Economics Major**

**Requirements**

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for the Economics major are 38 hours in the department, including the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON 211</td>
<td>Principles of Microeconomics</td>
<td>4</td>
</tr>
<tr>
<td>ECON 212</td>
<td>Principles of Macroeconomics</td>
<td>2</td>
</tr>
<tr>
<td>ECON 325</td>
<td>Intermediate Macroeconomics</td>
<td>4</td>
</tr>
<tr>
<td>ECON 326</td>
<td>Intermediate Microeconomics</td>
<td>4</td>
</tr>
<tr>
<td>ECON 375</td>
<td>Econometrics for Business and Economics</td>
<td>4</td>
</tr>
<tr>
<td>ECON 494</td>
<td>Seminar &amp; Research</td>
<td>4</td>
</tr>
<tr>
<td>B EC 321</td>
<td>Statistics</td>
<td>4</td>
</tr>
<tr>
<td><strong>Electives</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select 12 credits</td>
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<td></td>
</tr>
<tr>
<td>Total Credits</td>
<td>38</td>
<td></td>
</tr>
</tbody>
</table>

1. Select 12 elective credits from those courses listed as Economics major electives (ECON) or B EC 496 Internship.

Students must also take MATH 231 Calculus I. Additional math courses beyond MATH 231 are recommended. Seniors are required to take a comprehensive examination. A maximum of six hours of combined internship and independent study can be applied to the major.

**Economics Minor**

**Requirements**

Requirements for the Economics minor are 20 hours:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Minor Requirements</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON 211</td>
<td>Principles of Microeconomics</td>
<td>4</td>
</tr>
<tr>
<td>ECON 212</td>
<td>Principles of Macroeconomics</td>
<td>2</td>
</tr>
<tr>
<td>ECON 325</td>
<td>Intermediate Macroeconomics</td>
<td>4</td>
</tr>
<tr>
<td>or ECON 326</td>
<td>Intermediate Microeconomics</td>
<td></td>
</tr>
<tr>
<td>Select 10 credits of upper division Economics courses (ECON)</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Total Credits</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

Students must also take MATH 231 Calculus I. Additional math courses beyond MATH 231 are recommended.
Chemistry

Chemistry is an interdisciplinary subject with roots in physics and mathematics. An understanding of the principles of chemistry is essential to the study of many fields of science and technology. The Chemistry Department emphasizes the fundamental principles of chemistry and the development of laboratory skills. We also desire to foster an ethical perspective of the role of science in the world and to develop competent individuals who can provide service to our society.

The chemistry program is approved by the American Chemical Society (http://www.acs.org) to certify degrees in chemistry and biochemistry. The ACS certified degree requires additional course work beyond the basic major.

The major prepares students for graduate studies in chemistry, biochemistry, and related fields; for entry into health professions; for work in industry and government; and for teaching at the secondary level. A sound understanding of analytical and problem-solving skills provides the student with a foundation for engaging in a wide range of service, management, and leadership roles.

Students who complete a Chemistry major are granted a Bachelor of Science degree unless they request a Bachelor of Arts degree.

Chemistry Department Honors Program for majors requires four hours of honors course work and four hours of research credit (CHEM 495 Independent Research) including a thesis. Plans should be established no later than the fall semester of the junior year.

Faculty
Chair, Associate Professor Peter Walhout
Professor Daniel Burden
Associate Professors Becky Eggimann, Benjamin Lovaasen, Francis Umesiri
Assistant Professor Allison Dick
Instructor Melody David

Programs
- Chemistry Major (p. 83)
- Chemistry Major with a Biochemistry Concentration (p. 84)
- Chemistry Major with an American Chemical Society Certification (p. 84)
- Chemistry Major with an American Chemical Society Certification and a Biochemistry Concentration (p. 85)
- Chemistry Major with Secondary Education Licensure (p. 85)
- Chemistry Minor (p. 86)

Courses
See the Financial Information section (p. 464) of this catalog for course fees.

Chemistry Courses

CHEM 212. Everyday Chemistry. (4 Credits)
The course covers basic concepts of chemistry as encountered in our everyday lives - food & metabolic energy, drugs & medicines, soaps & detergents, polymers - and allows students to explore the process of scientific investigation using familiar products and materials. Includes evaluation of scientific claims (e.g., recognizing pseudoscience in commercial chemical products) and the development of a scientific argument based on experimental evidence. The laboratory includes the preparation and analysis of common chemical materials. Three hours lecture, two hours laboratory.
Tags: SP

CHEM 231. General Chemistry I. (4 Credits)
Stoichiometry, introduction to reaction types, gases, thermochemistry, atomic and molecular structures, bonding, condensed phases. Three lectures, three hours laboratory. Prerequisite: high school algebra

CHEM 232. General Chemistry II. (4 Credits)
Solutions, kinetics, chemical equilibrium, acid/base chemistry, free energy, electrochemistry, inorganic chemistry, radiochemistry, introduction to organic. Three lectures, three hours laboratory. Prerequisite: CHEM 231.

CHEM 241. Principles of Organic Chemistry. (4 Credits)
A one-semester survey course in organic chemistry. Topics include common classes of organic compounds—especially those of biological interest - nomenclature, structure-reactivity, principles, reactions, and mechanisms. The laboratory stresses investigation of principles discussed in lecture. This course does not meet the requirements for medical, dental, or veterinary schools. Three lectures, three hours laboratory. Prerequisite: CHEM 232 or consent of the instructor.

CHEM 294. Chemistry Colloquium. (0 or 1 Credits)
Features a variety of presentations by students, faculty, and outside speakers on topics including current research, current events in chemistry, and history of chemistry. Also includes 'faith and learning' discussions of various books and articles. Intended for sophomore chemistry majors, though majors from other years are also welcome. Taught each semester.

CHEM 321. Pseudoscience & Faith. (4 Credits)
This course will explore scientific issues and practice by examining several notable examples of pseudoscience, which is the attempt to justify a claim about the world with dubious data and misguided scientific arguments created and analyzed outside the mainstream of traditional scientific communities. In-depth case studies related to Christian faith will include the Bible Code, the Shroud of Turin, among others. The normal practice of science will be studied through scholarly writings as well as scientific autobiographies.
Tags: SIP

CHEM 336. Inorganic Chemistry. (4 Credits)
Atomic structure (nuclear and electronic), molecular orbital theory, molecular symmetry, bonding models, solid state, acid-base theory, coordination compounds, organometallic chemistry. Three lectures, three hours laboratory. Prerequisite or corequisite: CHEM 342.

CHEM 341. Organic Chemistry I. (4 Credits)
A two-semester study of organic chemistry. Topics include nomenclature, principles of reactivity, reaction mechanisms, synthesis, and spectroscopy. The laboratory stresses the synthesis and characterization of organic compounds. (Not open to students who have taken CHEM 241.) Three lectures, three hours laboratory. Prerequisite: CHEM 232
CHEM 342. Organic Chemistry II. (4 Credits)
A two-semester study of organic chemistry. Topics include nomenclature, principles of reactivity, reaction mechanisms, synthesis, and spectroscopy. The laboratory stresses the synthesis and characterization of organic compounds. (Not open to students who have taken CHEM 241.) Three lectures, three hours laboratory. Prerequisites: CHEM 232 and CHEM 341.

CHEM 355. Introduction to Analytical Chemistry. (2 Credits)
Statistical treatment of scientific data sets (regression analysis, confidence intervals, ANOVA, principle component analysis). Solution activities. Introduction to instrumentation theory and methods for ultraviolet, visible, and atomic spectroscopy. Potentiometric and chromatographic theory. One lecture, three hours laboratory. Prerequisite: CHEM 241 or 341, or consent of instructor. (lin)

CHEM 371. Physical Chemistry I. (4 Credits)
A study of the laws of classical thermodynamics and their application to physical and chemical systems, followed by an introduction to kinetics, kinetic theory, and reaction dynamics. Prerequisites: MATH 231 and either PHYS 222, 229 or 232.

CHEM 372. Physical Chemistry II. (2 Credits)
An introduction to quantum mechanics and statistical mechanics. Includes atomic theory, bonding theory, and computational chemistry. Prerequisite: CHEM 371 (lin)

CHEM 436. Physical Inorganic Chemistry. (2 Credits)
This course focuses on the bonding, electronic structure, and geometry of inorganic compounds. Topics include: molecular orbital theory, molecular symmetry, group theory, vibrational spectroscopy, electronic spectroscopy of transition metal complexes and solid state chemistry. Prerequisite or corequisite: CHEM 371.

CHEM 437. Organometallic Chemistry. (2 Credits)
A course in the structure, reactivity and applications of organometallic compounds with a focus on transition metal organometallic compounds. Topics will include: electronic structure, reactivity and mechanisms of coordination compounds; ligands, descriptive chemistry, reaction mechanisms, characterization of organometallic compounds; catalysis. Prerequisite or corequisite: CHEM 371.

CHEM 455. Advanced Analytical Chemistry I. (2 Credits)
Instrumental methods used in analysis and research. Scientific instrumentation electronics, computer interfacing, and signal processing. Cyclic voltammetry and fluorescence techniques. One lecture, three hours laboratory. Prerequisite: CHEM 371 or consent of instructor. (lin)

CHEM 457. Advanced Analytical Chemistry II. (2 Credits)
Instrumental methods used in analysis and research. High performance liquid chromatography, capillary electrophoresis, atomic and mass spectrometry. Tools for nanoscale/single-molecule investigations. One lecture, three hours laboratory. Prerequisite: CHEM 371 or consent of instructor. (lin)

CHEM 461. General Biochemistry. (4 Credits)

CHEM 462. Advanced Biochemistry. (2 Credits)
Advanced topics in biochemistry, including biosynthesis and action of phospholipids and nitrogen-containing biomolecules. DNA and RNA metabolism. Protein synthesis. Student presentations from the biochemical literature are given. Prerequisite: CHEM 461.

CHEM 463. Biochemistry Analysis. (2 Credits)
Laboratory course introducing common biochemistry techniques for experimentation, such as biological sample preparation and handling, preparing biological buffers, protein quantification, activity assays, enzyme kinetics analysis, gel electrophoresis, western blotting, expression and purification of proteins, and biomolecular separations. Each experiment is accompanied by lectures on the theoretical aspects of the topic and requires use of the biochemical literature. One lecture, three hours laboratory. Prerequisite: CHEM 342; Pre or corequisite: CHEM 461. CHEM 355 recommended. (lin)

CHEM 475. Methods in Physical Chemistry. (2 Credits)
A laboratory-oriented course to give experience in physical chemistry measurements. Experiments on molecular spectroscopy, crystal structure, laser spectroscopy, macromolecules, and kinetics will be included. Each experiment is accompanied by lectures on theoretical aspects of the topic. One lecture, three hours laboratory. Prerequisite: CHEM 371. (lin)

CHEM 485. Synthesis And Analysis. (2 Credits)
Laboratory course involving special techniques in the synthesis of organic and inorganic compounds and the spectroscopic methods of their characterization. Six hours laboratory. Alternate years. (lin)

CHEM 486. Advanced Topics In Chemistry. (2 Credits)
Special topics of current interest chosen from the areas of inorganic, organic, polymer, industrial, physical, biological, or analytical chemistry. Prerequisite will depend upon the subject. May be taught as a tutorial.

CHEM 494. Chemistry In Context. (2 Credits)
Capstone Course: A discussion of chemistry in historical, philosophical, and theological perspective. Includes vocation issues. Prerequisite: CHEM major with senior standing.

CHEM 495. Independent Research. (2 or 4 Credits)
A research project carried out under the supervision of a chemistry department faculty member. Includes opportunities for collaborative programs with academic, government, and industrial institutions as approved by the department. Prerequisite: consent of instructor.

CHEM 496. Internship. (1 to 4 Credits)
Practical experience and training at an academic, government, or industrial laboratory as approved by the department. Graded pass/fail. Prerequisite: junior or senior standing with Chemistry major.

CHEM 499. Honors Thesis. (4 Credits)
An independent project requiring original laboratory research developed in a scholarly paper and culminating in an oral examination. Fulfills partial requirement for an honors chemistry degree. Requirements are available in the Chemistry Office or the department web site www.wheaton.edu/chemistry.

Chemistry Major Requirements
Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Basic major requirements comprise 36 hours in chemistry:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 231</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
</tbody>
</table>

Wheaton College
Chemistry Major with a Biochemistry Concentration

**Requirements**

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Chemistry major with a Biochemistry concentration requirements are as follows:

1. At least one of these elective courses must be a lab course, i.e.:
   - CHEM 475 Methods in Physical Chemistry
   - CHEM 455 Advanced Analytical Chemistry I
   - CHEM 457 Advanced Analytical Chemistry II
   - CHEM 463 Biochemistry Analysis
   - CHEM 485 Synthesis And Analysis
2. CHEM 455 Advanced Analytical Chemistry I or CHEM 457 Advanced Analytical Chemistry II (i.e. the one not already taken above in the major requirements).

**Chemistry Major with an American Chemical Society Certification**

**Requirements**

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Chemistry major with American Chemical Society certified major requirements include:

**Chemistry Major with a Biochemistry Concentration**

**Requirements**

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Chemistry major with a Biochemistry concentration requirements are as follows:
### Chemistry Major with an American Chemical Society Certification and a Biochemistry Concentration

#### Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Chemistry major with American Chemical Society certified major requirements with a concentration in biochemistry, requirements include:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 231</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 232</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 294</td>
<td>Chemistry Colloquium (two credits are required, preferably taken each semester sophomore year)</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 336</td>
<td>Inorganic Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 341</td>
<td>Organic Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 342</td>
<td>Organic Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 355</td>
<td>Introduction to Analytical Chemistry</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 455</td>
<td>Advanced Analytical Chemistry I</td>
<td>2</td>
</tr>
<tr>
<td>or CHEM 457</td>
<td>Advanced Analytical Chemistry II</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 371</td>
<td>Physical Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 494</td>
<td>Chemistry In Context</td>
<td>2</td>
</tr>
</tbody>
</table>

Beyond the basic major requirements:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 461</td>
<td>General Biochemistry</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 462</td>
<td>Advanced Biochemistry</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 463</td>
<td>Biochemistry Analysis</td>
<td>2</td>
</tr>
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</table>

### Required Supporting Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 231</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 232</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 231</td>
<td>Introductory Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 232</td>
<td>Introductory Physics II</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Credits: 48

### Chemistry Major with Secondary Education Licensure

Students who desire Illinois state teacher licensure will complete a double major in Chemistry and Secondary Education. However, the Illinois license in this area is much broader than a single subject. This license will entitle the student to teach the beginning level of any science class and advanced levels of Chemistry classes. Students should consult with the Science advisor and the Education Department regarding required classes. A Master of Arts (MAT) program is available with a Chemistry major. A combined Bachelor’s/MAT may be completed in five years and one summer. See the Education Department (p. 115) section in this catalog for more information regarding MAT.

#### Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Chemistry major with secondary education teacher licensure requirements are 52 credits as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 231</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 232</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 336</td>
<td>Inorganic Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 341</td>
<td>Organic Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 342</td>
<td>Organic Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 355</td>
<td>Introduction to Analytical Chemistry</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 455</td>
<td>Advanced Analytical Chemistry I</td>
<td>2</td>
</tr>
<tr>
<td>or CHEM 457</td>
<td>Advanced Analytical Chemistry II</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 371</td>
<td>Physical Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 494</td>
<td>Chemistry In Context</td>
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</table>

Total Credits: 28

### Required Supporting Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>MATH 231</td>
<td>Calculus I</td>
<td>4</td>
</tr>
</tbody>
</table>

Select one of the following: 8
Chemistry Minor

Requirements

Requirements for a minor in Chemistry are 20 hours of chemistry courses, which must include:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 231</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 232</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 241</td>
<td>Principles of Organic Chemistry or CHEM 341</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 355</td>
<td>Introduction to Analytical Chemistry</td>
<td>2</td>
</tr>
</tbody>
</table>

Electives

Select 6 credits

Total Credits 20

CHEM 212, CHEM 294, CHEM 321, and CHEM 494 cannot be used to fulfill the requirements for a minor in Chemistry.
Christian Formation and Ministry

Disciple-making is central to the work of the Church in the world. This is the educational ministry of the Church – to help people as they are being formed toward the likeness of Christ. It is for this purpose that the Christian Formation and Ministry Department (CFM) of Wheaton College exists. Our mission is to facilitate the development of academically grounded, spiritually maturing, and practically skilled leaders who minister the Gospel and build up God’s people in a constantly changing world. We seek to nurture wisdom and compassion in students who are becoming...

**Academically grounded** in that they:

- Articulate a biblical, theological, historical, and philosophical perspective of formation and ministry.
- Identify a theoretical framework for ministry context analysis.
- Demonstrate an understanding of the educational, spiritual, and ministry practices by which people mature in Christ.

**Spiritually maturing** in that they:

- Demonstrate a life of discipleship and spiritual growth as the foundation of effective ministry.
- Identify one’s gifts and calling, responding to areas of strength and challenge in preparation for serving the needs of the church and the world.
- Respect every person, valuing the diversity of cultures, ethnicities, and traditions within the church.

**Practically skilled** in that they:

- Minister and teach effectively, integrating theory and scripture into creative practice with integrity, humility, and grace.
- Serve collaboratively and compassionately, balancing the needs of others with adequate self-care.
- Demonstrate the necessary skills of a ministry practitioner/scholar: critical analysis; oral communication; written communication; program evaluation.

Wheaton Passage

www.wheaton.edu/honeyrock/undergraduate-students/wheaton-passage

Wheaton Passage is designed to introduce incoming first-year and transfer students to spiritual formation and to ignite the Wheaton College experience for them. Students will experience eight to eighteen days—depending on the chosen track—filled with adventure, challenge, and new friendships. They will also be part of a mentoring relationship with Wheaton College faculty from various academic departments while enjoying the beautiful setting of HoneyRock, Wheaton’s Outdoor Center for Leadership Development.

Students choose either the wilderness track (a 12-day wilderness trip), the urban track (7 days living and doing ministry in Chicago), the Northwoods track (3 days at the HoneyRock campus in Northern Wisconsin) or the equestrian track (3 days at the HoneyRock campus but with program focus on equine activities and care). All tracks culminate with 5 days at HoneyRock during which time a faculty member will join each of the established small groups and lead them through a curriculum exploring various aspects of spiritual formation including identity, community, service, and life of the mind.

During the first eight weeks of the fall semester students will gather with their group and professor to reflect on their transition to college. Students will also meet with their faculty member to discuss their vision for the Wheaton College experience. This time is designed to help students transfer their learning into the context of life at Wheaton. Faculty members will help students process through transitional issues that often arise during the first semester. Through this experience, students earn 2 hours of academic credit (CFM 131 Introduction to Spiritual Formation). This course is also the first course of the Leadership Certificate.

**Faculty**

Chair, Associate Professor Laura Barwegen
Price-LeBar Professor of Christian Education David Setran
Associate Professor Barrett McRay
Director of Wheaton Evangelism Initiative, Billy Graham Center for Evangelism, and Associate Professor Jerry Root
Director of HoneyRock, Assistant Professor Rob Ribbe
Associate Lecturer of Christian Formation and Ministry, Internship and Practicum Coordinator Dan Haase
Faculty Emeriti Scottie May, Tom Schwanda, James Wilhoit

**Programs**

- Christian Formation and Ministry Major (p. 90)
- Christian Formation and Ministry Minor (p. 90)
- Discipleship Certificate (p. 91)
- Leadership Certificate (p. 91)
- Youth Ministry Certificate (p. 92)

**Courses**

**Christian Formation and Ministry Courses**

CFM 111. Foundations of Ministry. (2 Credits)
This course provides a foundation for the work of ministry through an introduction to evangelism and discipleship. Through an overview of the ministry of Jesus, students will learn the basic principles involved in the kingdom work of presenting the Gospel and making disciples in an ever changing world.

CFM 115. Introduction to Christian Formation and Ministry. (4 Credits)
This course is designed to introduce students to central themes and concepts in Christian Formation and Ministry, including biblical foundations, historical foundations, social science foundations and essential practices of spiritual formation, discipleship, and Christian teaching.

CFM 121. Ministry Skills: Backpacking. (1 Credit)
This course is specially designed to equip students with tools for ministry and the holistic, spiritual formation of others in a variety of contexts. Students will be fully immersed in developing backpacking skills as a means to explore how physical activity within a Christian community and in an outdoor setting can contribute to holistic formation of self and others. Students will experience a formational process in their own life through course readings, community based outdoor experiences, and critical reflection and discussion. They will also consider how to facilitate similar formational experiences for others.
CFM 122. Ministry Skills: Rock Climbing. (1 Credit)
This course is specially designed to equip students with tools for ministry and the holistic, spiritual formation of others in a variety of contexts. Students will be fully immersed in developing rock climbing as a means to explore how physical activity within a Christian community and in an outdoor setting can contribute to holistic formation of self and others. Students will experience a formational process in their own life through course readings, community based outdoor experiences, and critical reflection and discussion. They will also consider how to facilitate similar formational experiences for others.

CFM 123. Ministry Skills: Horsemanship. (1 Credit)
This course is specially designed to equip students with tools for ministry and the holistic, spiritual formation of others in a variety of contexts. Students will be fully immersed in developing horsemanship as a means to explore how physical activity within a Christian community and in an outdoor setting can contribute to holistic formation of self and others. Students will experience a formational process in their own life through course readings, community based outdoor experiences, and critical reflection and discussion. They will also consider how to facilitate similar formational experiences for others.

CFM 124. Ministry Skills: Cross-country Skiing. (1 Credit)
This course is specially designed to equip students with tools for ministry and the holistic, spiritual formation of others in a variety of contexts. Students will be fully immersed in developing cross-country skiing as a means to explore how physical activity within a Christian community and in an outdoor setting can contribute to holistic formation of self and others. Students will experience a formational process in their own life through course readings, community based outdoor experiences, and critical reflection and discussion. They will also consider how to facilitate similar formational experiences for others.

CFM 125. Ministry Skills: Downhill Skiing. (1 Credit)
This course is specially designed to equip students with tools for ministry and the holistic, spiritual formation of others in a variety of contexts. Students will be fully immersed in developing downhill skiing as a means to explore how physical activity within a Christian community and in an outdoor setting can contribute to holistic formation of self and others. Students will experience a formational process in their own life through course readings, community based outdoor experiences, and critical reflection and discussion. They will also consider how to facilitate similar formational experiences for others.

CFM 131. Introduction to Spiritual Formation. (2 Credits)
Provides for the self-evaluation of personal faith and character and opportunities for expressing a greater commitment to life in Christ. Students choose one of three tracks - wilderness expedition, urban track, or camp experience - which is combined with reading assignments, Scripture studies, and group discussions. Open to incoming students accepted to the Wheaton Passage wilderness, urban, Northwoods or equestrian programs at HoneyRock held prior to fall semester.

CFM 215. Spiritual Formation in Community. (2 Credits)
Moving beyond an individualistic focus of spiritual formation, this course engages the lived experience of being God’s “called out ones.” Following the framework of the weekly chapel program at the college along with the student’s engagement in the local church, this course explores the experiences and best practices of how the body of Christ is formed within a communal setting. Attention is given to multicultural expressions and the diversity of styles and traditions in worship.

CFM 216. Discipleship Practicum. (1 Credit)
Integrating the theories learned in the classroom with involvement in a campus sponsored ministry, students will participate in a leadership role approved by the CFM Department. The practicum includes a summative assignment in which students consider the links between ministry principles, personal spiritual formation, and practical skills. Practica may be repeated up to a maximum of four times for credit. Graded pass/fail.

CFM 222. Teaching for Transformation. (4 Credits)
This course examines historical educational theory and processes as well as current learning theory in order to create transformational experiences to promote an individual’s spiritual growth. Methods of teaching, the role of the Holy Spirit, basic curriculum design, character of the teacher, and biblical genres are considered.

CFM 223. Human Development and Ministry. (4 Credits)
Explores the application of human development and other social science theory and research to Christian Education. Spiritual development through the lifespan is highlighted, as well as the importance of understanding social context and organizational dynamics for effective ministry.

Tags: SI

CFM 224. Christian Spiritual Practices. (2 Credits)
An introduction to Christian Spiritual Formation as the integration of theological understanding, faith, and spiritual practice. This laboratory course in spiritual formation explores the relational, spiritual, and missional practices of the Christian life - Christian formation in community and service to the world (e.g., corporate worship, spiritual friendship, spiritual direction, small group accountability, hospitality, evangelism, compassion, social justice, creation care). Students will study, practice, and theologically reflect on these as biblical, historical, and psychological perspectives are brought to bear on the experience of class members individually and in the context of congregational leadership.

CFM 231. Evangelism. (2 Credits)
Provides an overview of the Gospel, Great Commission, and Great Commandment. Emphasis is given to surveying the tools needed for the task of world evangelism with emphasis on personal preparation for one-to-one evangelism within a variety of contexts.

CFM 232. Spiritual Guidance and Discernment. (2 Credits)
This course is designed as a practicum experience in Christian spiritual guidance and discernment. Out-of-class attention will be given to a protestant interaction with the spiritual exercises of Ignatius Loyola and the experience of meeting with a spiritual guide or listener. In-class lectures will entail seminar format discussion and debriefing of class readings and practices as they pertain to guidance and discernment.

CFM 234. Youth Ministry. (4 Credits)
This course introduces students to the theories and practices of ministry with adolescents, including biblical and theological foundations, developmental and socio-cultural theories and research, historical and contemporary models of youth ministry, and the development of a philosophy of youth ministry.

CFM 241. Leadership Development. (4 Credits)
This course will develop students’ leadership potential for a life of kingdom service. Students will understand and critically assess their personal leadership and develop an integrated philosophy of leadership. This philosophy will be implemented and assessed during the summer as students create formational experiences in an adventurous setting, discipling campers for God’s mission back home. This course is offered each summer at HoneyRock as part of the Leadership Certificate.
CFM 251. Ministry Practicum. (0 Credits)
Integrating the theories learned in the classroom with the practices of ministry, students will participate in a specific ministry context approved by the CFM Internship Coordinator and their faculty advisor. The practicum includes a summative assignment in which students consider the links between ministry principles, personal spiritual formation, and practical skills. Graded pass/fail.

CFM 259. Topics in Christian Formation and Ministry. (2 or 4 Credits)
Examines ministry concerns, problems, and trends in light of a holistic Christian Education theory.

CFM 322. Historical Foundations. (2 Credits)
The purpose of this course is to explore key persons and movements in the expansion of the Christian church from early monasticism and the Celtic Church to Moravianism and Methodism. Our missiological reinterpretation of church history will focus on the dynamics of the expansion such as the Spirit’s renewal, structure of mission, role of leadership, and implications for contemporary strategies of mission. This process develops an appreciation of historio-missiological reflection in Christian community that will affect the student’s missionary vocation.

CFM 331. Teaching the Bible. (2 Credits)
Designed to acquaint students, through both theory and practice, with the principles of effective biblical instruction. Methods of interpretation and literary aspects of the Bible are emphasized.

CFM 332. Theological Foundations. (2 Credits)
This course uses evangelical principles of biblical hermeneutics to explore intercultural encounters of God’s mission from the Philistines of Abraham and David’s time to Jesus’ ministry among the marginalized in first-century Palestine. The process develops an appreciation of theological reflection within Christian community, which will affect the student’s missionary vocation.

CFM 333. Student Care in College Ministry. (2 Credits)
An introduction to the basic concepts and skills involved in the student care aspect of residence life ministry at Wheaton, including a brief overview of historic and biblical foundations for caring ministry. Categories of student struggle most commonly experienced in college residence life ministry, rudimentary person-to-person helping skills, and small group supervision. This course is limited to residence assistants.

CFM 337. Compassion in Ministry. (2 Credits)
Compassion is central to effective ministry leadership. This course introduces students to the types of human suffering encountered by those in ministry leadership and to rudimentary skills for responding effectively. We will consider biblical, historical and contemporary models for compassion in ministry. Only one of CFM 337 and CFM 339 may be taken for credit. Mainly taught at HoneyRock.

CFM 339. Compassion and Crisis Ministry: Responding to Trauma and Suffering. (4 Credits)
Introduction to the basic concepts and skills involved in ministry responses to trauma and suffering. Course content will include an overview of the historic ministry of soul care, biblical foundations for crisis ministry, major categories of human suffering and trauma across cultures and contexts, and rudimentary compassion and crisis ministry skills. Only one of CFM 337 and CFM 339 may be taken for credit. Mainly taught on campus.

CFM 347. Discipleship A. (2 Credits)
This course seeks to nurture wisdom and small group ministry experience as students prepare to be lay ministers. While we probe the knowledge of God and the knowledge of self, the course will help students understand and embrace the calling to be a disciple of Jesus and to help others become disciples of Him. This course is a requirement for the undergraduate Discipleship Certificate in the Christian Formation & Ministry department. It meets a CFM major requirement and is a prerequisite for CFM 348.

CFM 348. Discipleship B. (2 Credits)
This course builds off the foundational learning in CFM 347: Discipleship A and deepens a student’s ability to effectively use the Bible and theology in discipleship. It recognizes that all believers are challenged to discover their vocation as ministers in whatever careers they pursue. Within that context, various methods for studying and teaching Scripture and the doctrines of the Trinity, Natural and Special Revelation, Anthropology, Grace and Community will be examined to equip students in their life-long calling of discipleship. This course meets a CFM major requirement and can serve as an elective option in the Discipleship Certificate. Corequisite or Prerequisite: CFM 347.

CFM 353. Leadership and Human Systems. (2 Credits)
This course provides the next level of development after the Leadership Development course of SLS for supervisory leadership roles at HoneyRock. Prerequisite: CFM 241

CFM 412. Ministry Practicum. (2 Credits)
This is an experience-based course designed to provide students an opportunity to implement leadership concepts and theories and develop their own leadership qualities through direct experience and team development. Graded: pass/fail

CFM 414. Ministry with Children and Families. (2 Credits)
See CFM 613.

CFM 421. Philosophy of Ministry. (4 Credits)
Integrates various academic disciplines into a logical philosophy of ministry by studying major foundational concepts and issues of Christian Formation & Ministry.

CFM 422. Designing for Transformational Learning. (4 Credits)
Utilizing curriculum theory, human development, and philosophy of ministry, students will explore how these theories and practices shape and support an individual’s spiritual formation through the development of sound curriculum design and evaluation. Includes preparation of curriculum scope and sequence, development of lesson plans, design of evaluation instruments, and an explanation of how these strategies affect the learning experience.

CFM 452. Camp Ministry. (2 or 4 Credits)
Provides a study of and involvement in the use of a camping environment for the growth and development of people. Special attention is given to program philosophy and principles for designing, conducting, and evaluating an effective camp ministry for young people. Offered at HoneyRock.

CFM 459. Advanced Study in Christian Formation and Ministry. (2 or 4 Credits)
Provides small group study of special areas of interest in Christian Formation and Ministry. Topics will vary from term to term. Prerequisite: junior/senior standing or permission of instructor.
CFM 461. Leadership in Christian Ministry. (2 Credits)
Involves a study of organizational structures and administrative procedures which are useful in Christian Formation and Ministry programs. Emphasis will be given to the management of resources such as time, personnel, and information.

CFM 472. Adventure Challenge Ministry. (4 Credits)
Explores the theory of experiential education and its ministry applications through the medium of engaging adventure challenge experiences. Includes the role of facilitative leadership, group and individual problem solving, and disciplined reflection in promoting Christian maturity in others. Offered at HoneyRock.

CFM 474. Integrative Leadership Seminar. (2 Credits)
A course designed to develop advanced critical thinking and personal philosophy of leadership. Students will integrate their knowledge of leadership and faith while collaboratively identifying and assessing a real world leadership issue. This is a 400 level course that necessitates a major research paper and analysis/integration paper that draws on their multiple leadership experiences and all the courses they have taken up to this point as part of the Leadership Certificate. Offered at HoneyRock.

CFM 494. Ministry in Culture. (4 Credits)
The Core Curriculum Capstone Experience allows students to pursue deep integration of their major and the concepts they have explored throughout the entire Christ at the Core curriculum. The Capstone Experience also considers how the First Year Seminar, Advanced Integrative Seminar, and coursework in their major prepares them for their vocation after Wheaton. This capstone engages students in ethnographic research while deepening intercultural competency and assessing a role as ministers of the Gospel. It enables students to reflect upon their practical ministry experiences and therefore is taken after or concurrent with the internship in the major. This course, in combination with CFM 496: Internship, meets the general education Christ at the Core graduation requirement. Prerequisites: CORE 101, CFM 115, HNGR 114, AIS course; prerequisite or concurrent with CFM 496.

CFM 495. Independent Study. (1 to 4 Credits)
Focuses on field or library research according to individual interests and competencies in Christian Formation and Ministry.

CFM 496. Internship. (0 Credits)
Provides practical experience under supervision in a setting appropriate to the student's major interests. Prerequisites: junior standing and a minimum of 16 hours completed in Christian Formation and Ministry including background courses appropriate to the internship setting. Graded pass/fail.

CFM 497. Internship Seminar. (2 Credits)
Provides student debriefing on their internship experiences from several perspectives while making preparations for post-graduation plans. (CFM 496 is a prerequisite, but with approval from the Internship Coordinator, a concurrent enrollment is allowed.) Graded pass/fail.

Christian Formation and Ministry Major
Undergraduates in the CFM Department earn a major in Christian Formation and Ministry. This is a liberal arts program that emphasizes biblical, theological, historical, and social science foundations integrated with traditional and contemporary philosophies and practices of ministry and spiritual formation. Students are encouraged to mature in their personal walk with Christ and to develop patterns of deep personal integrity and reflection upon their experiences to prepare them for ministry. An internship is required. Internship applicants must exhibit the presence of essential ministry skills and dispositions, as well as demonstrate a commitment to growth in Christian virtues.

The Christian Formation and Ministry major meets the undergraduate requirements for seminary study suggested by the Association of Theological Schools in the United States and Canada (ATS). Students contemplating graduate studies should consult with the institution in which they are interested to be informed of any particular undergraduate courses needed. Students interested in an accelerated curriculum leading to the completion of a master's along with their bachelor's degree in only five years should consult with their advisors regarding the prerequisites for the Wheaton graduate program.

Requirements
Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for the major are 38 hours, including a core of 34 hours plus 4 hours of electives. The required core of 34 hours includes:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFM 115</td>
<td>Introduction to Christian Formation and Ministry</td>
<td>4</td>
</tr>
<tr>
<td>HNGR 114</td>
<td>Poverty, Justice and Transformation</td>
<td>4</td>
</tr>
<tr>
<td>CFM 222</td>
<td>Teaching for Transformation</td>
<td>4</td>
</tr>
<tr>
<td>CFM 223</td>
<td>Human Development and Ministry</td>
<td>4</td>
</tr>
<tr>
<td>CFM 224</td>
<td>Christian Spiritual Practices</td>
<td>2</td>
</tr>
<tr>
<td>CFM 251</td>
<td>Ministry Practicum</td>
<td>0</td>
</tr>
<tr>
<td>CFM 339</td>
<td>Compassion and Crisis Ministry: Responding to Trauma and Suffering</td>
<td>4</td>
</tr>
<tr>
<td>CFM 347</td>
<td>Discipleship A</td>
<td>2</td>
</tr>
<tr>
<td>CFM 348</td>
<td>Discipleship B</td>
<td>2</td>
</tr>
<tr>
<td>CFM 421</td>
<td>Philosophy of Ministry</td>
<td>4</td>
</tr>
<tr>
<td>CFM 494</td>
<td>Ministry in Culture</td>
<td>4</td>
</tr>
<tr>
<td>CFM 496</td>
<td>Internship</td>
<td>0</td>
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</tbody>
</table>

Electives
Select four credits

Total Credits 38

Christian Formation and Ministry Minor
Requirements
Requirements for a Christian Formation and Ministry minor are 20-22 hours, including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CFM 115</td>
<td>Introduction to Christian Formation and Ministry</td>
<td>2-4</td>
</tr>
<tr>
<td>or CFM 131</td>
<td>Introduction to Spiritual Formation</td>
<td></td>
</tr>
<tr>
<td>CFM 222</td>
<td>Teaching for Transformation</td>
<td>4</td>
</tr>
<tr>
<td>CFM 223</td>
<td>Human Development and Ministry</td>
<td>4</td>
</tr>
<tr>
<td>CFM 224</td>
<td>Christian Spiritual Practices</td>
<td>2</td>
</tr>
<tr>
<td>CFM 251</td>
<td>Ministry Practicum</td>
<td>0</td>
</tr>
</tbody>
</table>
Discipleship Certificate

The Discipleship Certificate is an interdisciplinary program designed to facilitate students’ growth as disciples and disciple-makers. It seeks to cultivate the knowledge, dispositions, and skills necessary to take part in the work of discipleship both here at Wheaton and in the broader Church. The goal of the program is to provide a deep and experiential education for those students participating in discipleship ministries, blending theory and practice in significant ways.

The program’s academic home is the Department of Christian Formation and Ministry, though courses are also offered in Biblical and Theological Studies and Communication. Through these offerings, students will be equipped in biblical foundations, spiritual formation and ministry, and best practices for discipleship within the context of small groups. Students from any major are eligible for the Discipleship Certificate, but students must be participants or leaders within the Discipleship Ministries programs (DSG, Strongholds, and Family Groups at Wheaton).

Requirements

Requirements for the Discipleship Certificate are 24 credits:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFM 347</td>
<td>Discipleship A</td>
<td>2</td>
</tr>
<tr>
<td>CFM 348</td>
<td>Discipleship B</td>
<td>2</td>
</tr>
<tr>
<td>CFM 421</td>
<td>Philosophy of Ministry</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Total Credits</td>
<td>20-22</td>
</tr>
</tbody>
</table>

Students who complete the Certificate in Discipleship may choose to complete a major in Christian Formation and Ministry or any other undergraduate major. Students choosing to add the Christian Formation and Ministry major to this certificate must complete 14 hours from the following courses to fulfill the requirements for the major:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Major Requirements</td>
<td>14</td>
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<tr>
<td></td>
<td>HNGR 114 Poverty, Justice and Transformation</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>CFM 222 Teaching for Transformation</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>CFM 224 Christian Spiritual Practices</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>CFM 348 Discipleship B</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>CFM 421 Philosophy of Ministry</td>
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</tr>
<tr>
<td></td>
<td>CFM 494 Ministry in Culture</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>CFM 496 Internship</td>
<td>0</td>
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</tbody>
</table>

(Select credits from department approved electives if needed to reach 14 hours in addition to the certificate)

Leadership Certificate

The Leadership Certificate seeks to foster the development of emerging leaders who seek a depth of character and skill that will enable them to contribute to effective and redemptive communities, organizations, and churches. This certificate integrates coursework with a progression of transformation experiences that involve hands on leadership in real world settings. Participation in the program will encourage students to...

- Deepen learning and transformation
- Cultivate character and personal integrity
- Explore the theology and theories of leadership
- Develop proven leadership competencies
- Engage their learning in leadership of self and others

Requirements

This certificate involves a minimum of 20-22 credit hours, at least 8 of which are completed at HoneyRock, Wheaton College’s Outdoor Center for Leadership Development. Participation in Summer Leadership School at HoneyRock (CFM 251 Ministry Practicum) and completion of an approved additional leadership practicum or internship is also required. The internship can be taken in the CFM department (CFM 496 Internship) or in the department of your major with CFM department approval. The certificate is designed to integrate with any academic major at Wheaton.

Courses required for completion of the Leadership Certificate include:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Wheaton Campus</td>
<td></td>
</tr>
<tr>
<td>CFM 131</td>
<td>Introduction to Spiritual Formation</td>
<td>2</td>
</tr>
<tr>
<td>or CFM 224 Christian Spiritual Practices</td>
<td>2</td>
<td></td>
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<tr>
<td>CFM 222</td>
<td>Teaching for Transformation</td>
<td>4</td>
</tr>
<tr>
<td>CFM 223</td>
<td>Human Development and Ministry</td>
<td>4</td>
</tr>
</tbody>
</table>

4 If not already taken for the certificate.
Youth Ministry Certificate

The purpose of the Youth Ministry Certificate is to equip and empower college students for leadership in disciple-making youth ministry. This certificate involves 24-26 hours of course work in the Christian Formation and Ministry Department.

Requirements

This certificate involves 24-26 hours of course work in the Christian Formation and Ministry Department.

Courses required for completion of this certificate include:

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td></td>
<td><strong>Certificate Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>COMM 221</td>
<td>Interpersonal Communication</td>
<td>4</td>
</tr>
<tr>
<td>CFM 223</td>
<td>Human Development and Ministry</td>
<td>4</td>
</tr>
<tr>
<td>CFM 234</td>
<td>Youth Ministry</td>
<td>4</td>
</tr>
<tr>
<td>CFM 251</td>
<td>Ministry Practicum</td>
<td>0</td>
</tr>
<tr>
<td>CFM 337</td>
<td>Compassion in Ministry (HoneyRock only)</td>
<td>2-4</td>
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<tr>
<td>CFM 339</td>
<td>Compassion and Crisis Ministry: Responding to Trauma and Suffering</td>
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<tr>
<td>CFM 461</td>
<td>Leadership in Christian Ministry</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td><strong>HoneyRock Campus</strong></td>
<td></td>
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<tr>
<td>CFM 241</td>
<td>Leadership Development</td>
<td>4</td>
</tr>
<tr>
<td>CFM 251</td>
<td>Ministry Practicum (in Summer Leadership School at HoneyRock)</td>
<td>0</td>
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<tr>
<td>CFM 337</td>
<td>Compassion in Ministry</td>
<td>2</td>
</tr>
<tr>
<td>CFM 353</td>
<td>Leadership and Human Systems</td>
<td>2</td>
</tr>
<tr>
<td>CFM 474</td>
<td>Integrative Leadership Seminar</td>
<td>2</td>
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<tr>
<td></td>
<td><strong>Total Minimum Credits</strong></td>
<td>20-22</td>
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</tbody>
</table>

Only one of these courses - CFM 337 or CFM 339 - must be taken.

Students who complete the certificate in Leadership may choose to complete a major in Christian Formation and Ministry or any other undergraduate major. Students choosing to add the Christian Formation and Ministry major to this certificate must complete the following hours to fulfill the requirements for the major:

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td></td>
<td><strong>Major Requirements</strong></td>
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</tr>
<tr>
<td>HNGR 114</td>
<td>Poverty, Justice and Transformation</td>
<td>4</td>
</tr>
<tr>
<td>CFM 222</td>
<td>Christian Spiritual Practices</td>
<td>2</td>
</tr>
<tr>
<td>CFM 347</td>
<td>Discipleship A</td>
<td>2</td>
</tr>
<tr>
<td>CFM 348</td>
<td>Discipleship B</td>
<td>2</td>
</tr>
<tr>
<td>CFM 421</td>
<td>Philosophy of Ministry</td>
<td>4</td>
</tr>
<tr>
<td>CFM 494</td>
<td>Ministry in Culture</td>
<td>4</td>
</tr>
<tr>
<td>CFM 496</td>
<td>Internship</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td><strong>Electives</strong></td>
<td>0-2</td>
</tr>
<tr>
<td></td>
<td>Select two credits of electives in CFM, if CFM 337 (2) was completed instead of CFM 339 (4)</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total Credits</strong></td>
<td>14-16</td>
</tr>
</tbody>
</table>

If not already taken for certificate.

1. CFM 337 at HoneyRock or CFM 339 on-campus only.

2. Only one of these courses - CFM 337 or CFM 339 - must be taken.

3. If not already taken for certificate.
Communication

Communication is the art of building community through created and shared symbol systems, from the embodied message to digital rhetoric. It is rooted in the creative work of God, establishing communion with his creatures.

The Communication Department equips graduates to build the church and benefit society worldwide by educating whole persons in the history, art, theory, and practice of competent, ethical communication. The Department enables students to understand historical and cultural effects of communication; engage in intentional processes of creating identities and messages; comprehend guiding theories, foundational research, and investigative methods; and demonstrate knowledge, skill and motivation for the ethical creation of messages.

Students focus their studies in one of four areas: Interpersonal Communication, Media Studies, Rhetoric and Culture, or Theater. The department also offers co-curricular activities in debate and theater, and a certificate in journalism. A Bachelor of Arts degree is offered in Communication.

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

NOTE: Communication majors and minors can also take COMM 201 to meet their oral communication competency requirement instead of COMM 101. This requirement should be completed by the end of the sophomore year.

The department offers an honors program for outstanding junior and senior majors desiring to carry out independent research. Details of the program are available from the department Chair and on our department website (https://www.wheaton.edu/academics/programs/communication).

Faculty

Chair, Associate Professor Kenneth Chase
Professor Mark Lewis
Associate Professors Emily Langan, Joonhee Park, Read Schuchardt, Michael Stauffer
Assistant Professors Danielle Corple, Theon Hill, Esther Liu, Rebecca Sietman
Associate Lecturer Andy Mangin

Programs

- Communication Major with an Interpersonal Communication Concentration (p. 95)
- Communication Major with a Media Studies Concentration (p. 96)
- Communication Major with a Rhetoric and Culture Concentration (p. 96)
- Communication Major with a Theater Concentration (p. 97)
- Communication Minor (p. 98)
- Theater Minor (p. 98)
- Journalism Certificate (p. 98)

Courses

Communication Courses

COMM 101. Public Speaking. (2 Credits)
A performance-based course to aid students in the invention, organization, delivery, and criticism of informative and persuasive speeches. This course does not meet major requirement. Gen Ed Oral Communication competency.

General Education: COMP

COMM 171. Introduction to Acting. (2 Credits)
An investigation of the fundamentals of acting technique through foundational exercise and scene work, including observation, physical awareness, stage discipline, and text analysis.

Tags: VPAT

COMM 201. Fundamentals of Oral Communication. (4 Credits)
A performance-based course involving the nature of communicative interactions, message construction and criticism, and ethical responsibilities involved in communicating. Required of majors and minors. Gen ed oral communication competency, for majors and minors only.

General Education: COMP

COMM 215. Journalism. (4 Credits)
An overview of basic writing skills utilized in mass media, with a practical emphasis on the gathering and writing of news and sports, and analysis of campus and metropolitan newspapers.

COMM 219. Journalism Co-Curricular. (0 Credits)
A periodic gathering of journalism students for the purpose of applying and broadening the academic discussion of journalism. Students are required to attend two approved events per semester for four semesters.

COMM 221. Interpersonal Communication. (4 Credits)
An examination of face-to-face interactions using cognitive learning, skills training, and experiential techniques to better understand and interact with others. Topics include verbal messages, nonverbal communication, listening, self-disclosure, conflict, gender roles, and intercultural communication.

COMM 223. Communication & Diversity. (2 Credits)
An overview of how perceived difference shapes and influences our interaction with others. Discussion covers the impact of diversity on language, nonverbal communication, mediated messages, relationships, and conflict. Course may be repeated for credit in Gender or Intercultural communication.

COMM 241. Media Studies. (4 Credits)
An introduction to approaches and practices used to examine and evaluate the media environment. Background readings, examination of current criticism, and beginning practice in media criticism are employed.

COMM 243. Digital Society. (4 Credits)
An examination of the new media environment and its influence on social spaces, cultural meanings, and human interactions.

COMM 246. Media Production. (4 Credits)
An overview of media production skills with an emphasis on recording, editing, and producing using new media technologies and distributing them in varying outlets. Students will be expected to create video blogs, podcasts, and other new media texts.
COMM 252. Argumentation and Debate. (4 Credits)
A performance-based course in which students learn argument design, including use of reason and evidence, and practice in competitive debate. Gen Ed Oral Communication competency.

COMM 253. Messages, Influence, and Culture. (4 Credits)
An introductory study of the relationship between rhetoric and social change, focusing on the rhetoric of oppressed groups in America. Topics include the rhetoric of social movements, poverty, race, gender, and power.
Tags: DUS

COMM 271. Theater Survey. (4 Credits)
An exploration of the history of theater, the nature of theater as a communication art, and the roles of playwright, director, scenographer, actor and audience.

COMM 272. Scenography. (4 Credits)
An exploration of scenographic theory and production practices necessary to move theater design from page to stage, including scene design, stage lighting and costuming. Prerequisite: COMM 271 or permission of instructor.

COMM 273. Acting I. (4 Credits)
An investigation of the fundamentals of acting technique through foundational exercise and scene work, including observation, physical awareness, stage discipline, and text analysis. Prerequisite: COMM 271.

COMM 275. Musical Theater London. (2 Credits)
Offered as part of the Arts in London program. Students will explore Musical Theater as a communication art form. Emphasis will be placed on understanding historical development, establishing criteria for evaluating live performance, and developing basic presentation skills. Cross-listed with MUCS 275. Alternate years; offered summer in even years. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPAM.
Tags: VPAM

COMM 296. Journalism Practicum. (2 to 4 Credits)
A lower level experiential learning internship enabling students beginning their journalism program to gain hands-on experience under professional supervision. The Program Coordinator will supervise this course in conjunction with a site supervisor. Internship form required.

COMM 301. Communication Theory. (4 Credits)
An overview and integration of current approaches to understanding interpersonal, small group, organizational, mass, and intercultural communication. Prerequisite: COMM 201 and Junior standing or permission of instructor.

COMM 302. Rhetorical Theory. (4 Credits)
An historical and critical analysis of the modes of persuasion. The contributions of Plato, Aristotle, Cicero, Quintilian, Augustine, as well as selected medieval, renaissance, modern, and postmodern theorists will be considered. Prerequisite: Junior standing or permission of instructor.

COMM 311. Human Communication Research. (4 Credits)
An overview of methods and techniques for systematic observation of communication behavior. Students will learn to design, run, and analyze various qualitative and quantitative methods in areas of their communication interest. Prerequisites: COMM 201 and COMM 301, or permission of instructor.
Tags: SI

COMM 312. Communication Criticism. (4 Credits)
A study of communication performances using a variety of methods, with special attention to textual analysis. Texts selected will be taken from mass media, theater, and public speaking. Prerequisites: COMM 201, and COMM 301 or 302, or permission of instructor.

COMM 324. Communication and Diversity. (4 Credits)
An overview of how perceived difference shapes and influences our interaction with others. Class discussion covers the impact of diversity on language, nonverbal communication, mediated messages, relationship, and conflict.
Tags: DUS

COMM 341. Media, Religion and Culture. (4 Credits)
An examination of the intersection of media and religion from a cultural and theological perspective. Prerequisite: COMM 241 or permission of instructor.

COMM 343. Writing for Media. (4 Credits)
An overview of the craft of writing promotion and programming for radio, television, feature film, and multimedia. Prerequisite: COMM 241 or permission of instructor.

COMM 345. Narrative Media. (4 Credits)
A skills-based course in non-linear editing, advanced techniques of media production, sound design, and directing. Students will make a narrative or documentary visual production, utilizing lighting, sound, and directing.

COMM 353. Advanced Persuasive Speaking. (4 Credits)
A skills-based class in which students become proficient in researching and delivering public speeches and oral performance within a variety of contexts. Prerequisite: COMM 101, 201, 252, or passed oral competency exam.

COMM 362. Group Dynamics. (2 Credits)
An experiential course which integrates theory and practice in small task groups. Topics include roles and leadership, discussion, decision making and problem-solving, social influence, conflict, power, and interaction in peer groups.

COMM 363. Persuasion. (4 Credits)
An examination of theories of attitude and behavior change, specific techniques of persuasion, and analysis of contemporary practitioners. Students will gain experience in attitude research and preparing a persuasive strategy.
Tags: SI

COMM 367. Reconciliation & Conflict Resolution. (2 Credits)
This course provides theoretical and practical resources for working through conflict in interpersonal, group, and international contexts. An emphasis will be placed on negotiation tactics and reconciliation processes.

COMM 373. Theater Workout. (0 or 1 Credits)
Prerequisite: Permission of instructor. One hour credit per year. Register for credit in Spring semester. Graded pass/fail

COMM 374. Directing. (4 Credits)
An investigation of the stage director’s art and craft: play selection, casting, mounting the play, rhythm, characterization, and actor-director relationships. Prerequisites: COMM 271 and 273. Fee for Chicago theater.

COMM 375. European Theater Studies. (2 Credits)
Students will study contemporary European theater in production. Selected playwrights, performance theory and styles will be studied in the class to be used as a basis for the evaluation of live performances in London, Paris, Berlin and Prague.
COMM 376. Church And Theater. (4 Credits)
An investigation of the theological and aesthetic relationships of the church to the dramatic arts. Lab experiences facilitate practical application of these discoveries.

COMM 393. Intercollegiate Debate (Practicum). (0 or 1 Credits)
Prerequisite: Permission of instructor. One hour credit per year (4 hours maximum; 2 hours maximum if combined with COMM 252). Register for credit in Spring semester. Graded pass/fail.

COMM 415. Special Topics in Journalism. (4 Credits)
An advanced study of such topics as interviewing, community journalism, ethics and the law, and investigative reporting. Guest instructors will be selected who have established professional success in journalism. Course may be repeated for separate topics. Prerequisite: COMM 215 or permission of instructor.

COMM 416. Special Topics in Journalism. (2 Credits)
An advanced study of such topics as interviewing, community journalism, ethics and the law, and investigative reporting. Guest instructors will be selected who have established professional success in journalism. Course may be repeated for separate topics. Prerequisite: COMM 215 or permission of instructor.

COMM 424. Special Topics in Interpersonal Communication. (2 or 4 Credits)
An advanced study of such topics as listening, nonverbal communication, friendship, family relationships, non-profit organizations, and sports communication. Prerequisite: COMM 221 or permission of instructor. Course may be repeated for separate topics.

COMM 444. Special Topics in Media and Culture. (2 to 4 Credits)
An advanced study of such topics as globalization, economy, virtual identities, and media and politics. Prerequisite: COMM 241 or COMM 253, or permission of instructor. Course may be repeated for separate topics.

COMM 445. Media Constructions. (4 Credits)
An advanced study of professional-level video production, with structured teaching leading to high quality portfolio presentations in the media industry. Prerequisites: COMM 246 and 345 or permission of instructor.

COMM 454. Special Topics in Rhetoric & Culture. (2 or 4 Credits)
An advanced study of such topics as Civic Discourse, Critical Approaches to Rhetoric and Culture, and Public Advocacy. Prerequisite: COMM 253 or permission of instructor. Course may be repeated for separate topics.

COMM 461. Organizational Communication. (4 Credits)
An application of communication theory and research in work contexts. Both corporations and non-profits will be examined through case studies, site visits, interviews, applied research, and team work projects.

COMM 473. Acting II. (4 Credits)
An application of developing acting skills to a series of exercises, monologues and scenes. Prerequisites: COMM 271, 273, or permission of instructor. May be repeated as Acting II: Shakespeare.

COMM 474. Special Topics in Theater. (2 or 4 Credits)
An advanced study of such topics as Theories of Contemporary Theater, Advanced Production, and Theater and Culture. Prerequisite: COMM 271 or permission of instructor. Course may be repeated for separate topics.

COMM 476. Theater and Culture. (4 Credits)
The course will examine the role of the theater as a vehicle of social change throughout history and in contemporary culture. Through selected play readings and laboratory experiences, the student will be challenged to explore the responsibility of the Christian theater artist to his/her local and global community. Prerequisite: COMM 271 or permission of instructor.

COMM 494. Senior Seminar. (2 Credits)
An overview and integration of ethical perspectives as students consider the role of responsible communication in contemporary society. Development of the portfolio assessment is included. Prerequisite: COMM major with Senior standing.

COMM 495. Independent Study. (1 to 4 Credits)
An investigation of current issues and developments in a specialized area of communication. Prerequisites: two appropriate Communication courses and permission of a professor.

COMM 496. Internship. (2 to 4 Credits)
An application of course work that engages the student in a responsible role as a worker in an organization or other practical experiences. Prerequisites: 16 hours in Communication; junior or senior standing with Communication major or minor. Graded pass/fail. (may be repeated for a maximum of eight credits, but only four hours count toward the major.)

COMM 498. Journalism internship. (2 or 4 Credits)
An application of course work that engages the student in a responsible role as a worker in the journalism profession. This experience will receive a letter grade based on a portfolio of work, journal entries, summative essay, and site supervisor evaluation.

Communication Major with an Interpersonal Communication Concentration

The Communication Major with an Interpersonal Communication concentration explores how meaning develops in messages within personal, social, and institutional relationships, as well as how patterns of human communication behavior contribute to Christian community.

Requirements

Requirements for the major are 32 hours: 14 hours in the Communication Core, 16 hours in a Concentration, and 2 elective hours of any Communication course. The Core consists of 4 courses in performance, theory, research, and a senior capstone (in which each student submits a portfolio and has a senior assessment interview). These four core courses should be completed in sequence.

To complement core courses, students select a concentration in Interpersonal Communication, Media Studies, Rhetoric and Culture, or Theater. Within each concentration, there are requirements and electives with course work progressing from introductory to advanced levels of study.

General Education Requirement. The following courses fulfill the oral communication competency requirement:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 101</td>
<td>Public Speaking</td>
<td>2</td>
</tr>
<tr>
<td>COMM 201</td>
<td>Fundamentals of Oral Communication (Communication majors and minors only)</td>
<td>4</td>
</tr>
<tr>
<td>COMM 252</td>
<td>Argumentation and Debate</td>
<td>4</td>
</tr>
</tbody>
</table>

This requirement should be completed by the end of the sophomore year.

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.
Communication Major with a Media Studies Concentration

The Communication Major with a Media Studies concentration helps students engage and contribute to the media environment—the world of symbols and meanings, texts and contexts, form and content—from a critical and cultural perspective. Coursework is divided between theory and practice, with an emphasis on how theory informs and shapes practice and on how medium shapes message.

Requirements

Requirements for the major are 32 hours: 14 hours in the Communication Core, 16 hours in a Concentration, and 2 elective hours of any Communication course. The Core consists of 4 courses in performance, theory, research, and a senior capstone (in which each student submits a portfolio and has a senior assessment interview). These four core courses should be completed in sequence.

To complement core courses, students select a concentration in Interpersonal Communication, Media Studies, Rhetoric and Culture, or Theater. Within each concentration, there are requirements and electives with course work progressing from introductory to advanced levels of study.

General Education Requirement. The following courses fulfill the oral communication competency requirement:

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</tr>
<tr>
<td>COMM 201</td>
<td>Fundamentals of Oral Communication</td>
<td>4</td>
</tr>
<tr>
<td>COMM 241</td>
<td>Media Studies</td>
<td>4</td>
</tr>
<tr>
<td>COMM 246</td>
<td>Media Production</td>
<td>4</td>
</tr>
<tr>
<td>COMM 247</td>
<td>Digital Society</td>
<td>4</td>
</tr>
<tr>
<td>COMM 248</td>
<td>Narrative Media</td>
<td>4</td>
</tr>
<tr>
<td>COMM 445</td>
<td>Media Constructions</td>
<td>4</td>
</tr>
<tr>
<td>COMM 496</td>
<td>Internship</td>
<td>4</td>
</tr>
</tbody>
</table>

Communication Elective

Select 2 or more credits from any offered COMM course 2

Total Credits 32

1 Required and Elective Concentration courses must equal a total of 16 credits.

Communication Major with a Rhetoric and Culture Concentration

The Communication Major with a Rhetoric and Culture concentration prepares students to construct strategic messages intended to influence specific audiences and cultures. It also enables students to engage culture critically, charitably, and redemptively.

Requirements

Requirements for the major are 32 hours: 14 hours in the Communication Core, 16 hours in a Concentration, and 2 elective hours of any Communication course. The Core consists of 4 courses in performance, theory, research, and a senior capstone (in which each student submits a portfolio and has a senior assessment interview). These four core courses should be completed in sequence.

To complement core courses, students select a concentration in Interpersonal Communication, Media Studies, Rhetoric and Culture, or Theater. Within each concentration, there are requirements and electives with course work progressing from introductory to advanced levels of study.

General Education Requirement. The following courses fulfill the oral communication competency requirement:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 101</td>
<td>Public Speaking</td>
<td>2</td>
</tr>
<tr>
<td>COMM 201</td>
<td>Fundamentals of Oral Communication</td>
<td>4</td>
</tr>
<tr>
<td>COMM 301</td>
<td>Communication Theory</td>
<td>4</td>
</tr>
<tr>
<td>COMM 311</td>
<td>Human Communication Research</td>
<td>4</td>
</tr>
<tr>
<td>COMM 312</td>
<td>Communication Criticism</td>
<td>4</td>
</tr>
<tr>
<td>COMM 444</td>
<td>Special Topics in Media and Culture</td>
<td>4</td>
</tr>
<tr>
<td>COMM 496</td>
<td>Internship</td>
<td>4</td>
</tr>
</tbody>
</table>

Communication Elective

Select 2 or more credits from any offered COMM course 2

Total Credits 32

1 COMM 302 Rhetorical Theory and COMM 311 Human Communication Research are acceptable substitutions with department chair approval.

2 At least one of the elective courses must be upper-division.
a portfolio and has a senior assessment interview). These four core courses should be completed in sequence.

To complement core courses, students select a concentration in Interpersonal Communication, Media Studies, Rhetoric and Culture, or Theater. Within each concentration, there are requirements and electives with course work progressing from introductory to advanced levels of study.

**General Education Requirement.** The following courses fulfill the oral communication competency requirement:

<table>
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<tbody>
<tr>
<td>COMM 101</td>
<td>Public Speaking</td>
<td>2</td>
</tr>
<tr>
<td>COMM 201</td>
<td>Fundamentals of Oral Communication</td>
<td>4</td>
</tr>
<tr>
<td>COMM 252</td>
<td>Argumentation and Debate</td>
<td>4</td>
</tr>
</tbody>
</table>

*This requirement should be completed by the end of the sophomore year.*

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

<table>
<thead>
<tr>
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<th>Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>COMM 201</td>
<td>Fundamentals of Oral Communication</td>
<td>4</td>
</tr>
<tr>
<td>COMM 302</td>
<td>Rhetorical Theory</td>
<td>4</td>
</tr>
<tr>
<td>COMM 312</td>
<td>Communication Criticism</td>
<td>4</td>
</tr>
<tr>
<td>COMM 494</td>
<td>Senior Seminar</td>
<td>2</td>
</tr>
</tbody>
</table>

**Concentration Courses (Required and Elective)**

**Required Concentration Courses**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 253</td>
<td>Messages, Influence, and Culture</td>
<td>4</td>
</tr>
<tr>
<td>COMM 454</td>
<td>Special Topics in Rhetoric &amp; Culture</td>
<td>4</td>
</tr>
</tbody>
</table>

**Elective Concentration Courses**

Select 8 credits of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 252</td>
<td>Argumentation and Debate</td>
<td>4</td>
</tr>
<tr>
<td>COMM 353</td>
<td>Advanced Persuasive Speaking</td>
<td>4</td>
</tr>
<tr>
<td>COMM 363</td>
<td>Persuasion</td>
<td>4</td>
</tr>
<tr>
<td>COMM 393</td>
<td>Intercollegiate Debate (Practicum)</td>
<td>4</td>
</tr>
<tr>
<td>COMM 444</td>
<td>Special Topics in Media and Culture</td>
<td>4</td>
</tr>
<tr>
<td>COMM 495</td>
<td>Independent Study</td>
<td>4</td>
</tr>
<tr>
<td>COMM 496</td>
<td>Internship</td>
<td>4</td>
</tr>
</tbody>
</table>

**Communication Elective**

Select two or more credits from any offered COMM course

| Credits | 2 |

**Total Credits**

| Credits | 32 |

---

## Requirements

**Requirements for the major** are 32 hours: 14 hours in the Communication Core, 16 hours in a Concentration, and 2 elective hours of any Communication course. The Core consists of 4 courses in performance, theory, research, and a senior capstone (in which each student submits a portfolio and has a senior assessment interview). These four core courses should be completed in sequence.

To complement core courses, students select a concentration in Interpersonal Communication, Media Studies, Rhetoric and Culture, or Theater. Within each concentration, there are requirements and electives with course work progressing from introductory to advanced levels of study.

**General Education Requirement.** The following courses fulfill the oral communication competency requirement:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>COMM 101</td>
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<tr>
<td>COMM 201</td>
<td>Fundamentals of Oral Communication</td>
<td>4</td>
</tr>
<tr>
<td>COMM 252</td>
<td>Argumentation and Debate</td>
<td>4</td>
</tr>
</tbody>
</table>

*This requirement should be completed by the end of the sophomore year.*

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

<table>
<thead>
<tr>
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<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 201</td>
<td>Fundamentals of Oral Communication</td>
<td>4</td>
</tr>
<tr>
<td>COMM 302</td>
<td>Rhetorical Theory</td>
<td>4</td>
</tr>
<tr>
<td>COMM 312</td>
<td>Communication Criticism</td>
<td>4</td>
</tr>
<tr>
<td>COMM 494</td>
<td>Senior Seminar</td>
<td>2</td>
</tr>
</tbody>
</table>

**Concentration Courses (Required and Elective)**

**Required Concentration Course**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 271</td>
<td>Theater Survey</td>
<td>4</td>
</tr>
</tbody>
</table>

**Elective Concentration Courses**

Select 12 credits of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 272</td>
<td>Scenography</td>
<td>4</td>
</tr>
<tr>
<td>COMM 273</td>
<td>Acting I</td>
<td>4</td>
</tr>
<tr>
<td>COMM 373</td>
<td>Theater Workout</td>
<td>4</td>
</tr>
<tr>
<td>COMM 374</td>
<td>Directing</td>
<td>4</td>
</tr>
<tr>
<td>COMM 376</td>
<td>Church And Theater</td>
<td>4</td>
</tr>
<tr>
<td>COMM 473</td>
<td>Acting II</td>
<td>4</td>
</tr>
<tr>
<td>COMM 474</td>
<td>Special Topics in Theater</td>
<td>4</td>
</tr>
<tr>
<td>COMM 495</td>
<td>Independent Study</td>
<td>4</td>
</tr>
</tbody>
</table>

**Communication Elective**

Select 2 or more credits from any offered COMM course

| Credits | 2 |

**Total Credits**

| Credits | 32 |
Communication Minor

Requirements

Requirements for a minor are 20 hours in Communication courses including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 201</td>
<td>Fundamentals of Oral Communication (also meets the general education requirement)</td>
<td>4</td>
</tr>
<tr>
<td>COMM 301</td>
<td>Communication Theory</td>
<td>4</td>
</tr>
<tr>
<td>or COMM 302</td>
<td>Rhetorical Theory</td>
<td></td>
</tr>
</tbody>
</table>

Electives

Select 12 credits

Total Credits 20

Theater Minor

Requirements

Requirements for a theater minor are 20 hours in Communication consisting of:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 271</td>
<td>Theater Survey</td>
<td>4</td>
</tr>
<tr>
<td>COMM 272</td>
<td>Scenography</td>
<td>4</td>
</tr>
<tr>
<td>COMM 273</td>
<td>Acting I</td>
<td>4</td>
</tr>
<tr>
<td>COMM 374</td>
<td>Directing</td>
<td>4</td>
</tr>
</tbody>
</table>

Select an elective upper-division COMM course

Total Credits 20

Note: COMM 373 Theater Workout will not count towards the minor.

Journalism Certificate

The goal of the journalism certificate is to cultivate the next generation of professional Christian journalists. To meet this goal, this certificate enacts three objectives:

1. to provide a strong undergraduate preparation for students interested in career journalism;
2. to encourage students to seriously consider journalism as a desirable Christian vocation, and
3. to develop a global network of internship and career opportunities for student journalists.

Students pursuing the certificate will be approved by the program coordinator and will be expected to meet regularly with the coordinator and other journalism students for program review, networking, and career discussions. Certificate students will be required to attend two co-curricular or extra-curricular journalism events per semester for four semesters. Events may include guest lectures, involvement with The Record, or other student publications, consultation with visiting practitioners, and participation in World Journalism Institute conferences. Students are encouraged to take advantage of courses beyond the required 24 hours.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 246</td>
<td>Media Production</td>
<td>4</td>
</tr>
<tr>
<td>COMM 215</td>
<td>Journalism</td>
<td>4</td>
</tr>
<tr>
<td>or COMM 415</td>
<td>Special Topics in Journalism</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following Media and Society courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 241</td>
<td>Media Studies</td>
<td></td>
</tr>
<tr>
<td>COMM 341</td>
<td>Media, Religion and Culture</td>
<td></td>
</tr>
<tr>
<td>COMM 424</td>
<td>Special Topics in Interpersonal Communication</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following Media and Culture courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 343</td>
<td>Writing for Media</td>
<td></td>
</tr>
<tr>
<td>ART 318, ART 319 or ART 383</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGW 233, 333, or ENGW 444 (Requires permission of instructor and one 200-level writing course; topic varies and requires approval by Certificate Coordinator for Certificate credit.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM 415</td>
<td>Special Topics in Journalism (and/or COMM 416)</td>
<td></td>
</tr>
</tbody>
</table>

Practitioner Requirements

Select 6-8 credits of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 296</td>
<td>Journalism Practicum</td>
<td>6-8</td>
</tr>
<tr>
<td>COMM 498</td>
<td>Journalism internship</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits Minimum 24

1 At least 6 credits of core and elective requirements must be in upper division (300 or 400 level) courses.
2 At least four credits of practitioner requirements must receive a letter grade.

Transfer credit from the CCCU's Best Semester Washington Journalism Center can be applied towards the certificate; 4 hours of the Washington internship will count as the graded internship (COMM 498 Journalism internship) requirement, and one additional Washington course of 3 or 4 hours will be the equivalent of COMM 415 Special Topics in Journalism. The remaining two hours of Washington internship credit will be counted as elective hours towards graduation. Students pursuing the CCCU Washington Journalism Center option will be required to complete 2 additional hours from Practicum or internship at Wheaton.
**Computer Science and Mathematics**

In a society becoming ever more mathematical and computerized, the department seeks to provide courses which introduce all students to the ideas of mathematics and computer science. The department also provides advanced courses for those wishing to specialize in one of these areas. We teach these technical concepts in a manner consistent with the liberal arts aim of the College and in a way that encourages the student to use these abilities to serve others.

**Mathematics Curriculum**

The purpose of the mathematics curriculum is to present the basic concepts and methods in modern mathematics, to develop the student's ability to think critically using the axiomatic method, and to apply these ideas to other disciplines. This major provides the mathematical background for students preparing for:

1. Licensure in secondary education
2. Graduate study in a mathematical discipline
3. A career in an area using mathematics, such as engineering, economics, statistics, or actuarial science

Students who complete a Mathematics major are granted a Bachelor of Science degree unless they request a Bachelor of Arts degree.

**Calculus Readiness Assessment:**

Students who plan to enroll in MATH 231 Calculus I must take Wheaton College's Calculus Readiness Assessment. The Calculus Readiness Assessment (CRA) is a dynamic, online assessment that evaluates students' strengths in arithmetic, algebra, and other pre-calculus skills. We will allow up to 3 hours for the test but it is typically completed in 60-90 minutes. It is accessible with a Wheaton student login at http://portal.wheaton.edu > New Undergrad Student > New Student Checklist. The assessment has a $15 fee, charged to a credit card.

Students should sign into the CRA area and take a practice test any time after July 1st, but prior to coming to campus. After taking this practice test, the CRA offers specialized learning modules through the student login to "brush up" on skills. We will administer the first official proctored CRA on campus Tuesday before classes. Students should register for MATH 231 and will be told prior to Tuesday the room to which they should report to take the CRA. A score of 65 is required for students to stay enrolled in MATH 231. Should the student need it, a second proctored attempt will be held one week into the semester. Students who earn below a 65 and need calculus for their program are encouraged to enroll in MATH 131 Precalculus.

**Computer Science Curriculum**

The curriculum in computer science presents the fundamentals of computation—the science underlying the computing technologies that have become so pervasive in contemporary society. This foundation better prepares one to make choices about how those technologies can and should be applied, at the organizational and societal levels, as well as individually. The deeper study required of a computer science major provides experience in the discipline’s methods of analysis and problem-solving. Furthermore, experimental work throughout the curriculum allows majors to develop skills in the design, analysis, and development of software systems, and so provides excellent preparation for a computing-related career, as well as for graduate study in computer science or engineering.

Students who complete a Computer Science major are granted a Bachelor of Science degree unless they request a Bachelor of Arts degree.

**Faculty**

Chair, Professor Mary Vanderschoot  
Professors Robert Brabenec, Darcie Delzell, Paul Isihara, Stephen Lovett  
Associate Professors Danilo Diedrichs, Hyunjoo Kim, Thomas VanDrunen  
Assistant Professors Devin Pohly

**Programs**

- Mathematics Major with Pure Math Concentration (p. 162)
- Mathematics Major with Applied Mathematics Concentration (p. 162)
- Mathematics Major with Statistics Concentration (p. 162)
- Mathematics Major with Secondary Education Concentration (p. 163)
- Mathematics Minor (p. 163)
- Computer Science Major (p. 163)
- Computer Science Minor (p. 163)

**Courses**

**Mathematics Courses**

**MATH 106. Mathematics for the Benefit of Mission and Society. (4 Credits)**

An overview of how mathematics benefits the mission of the Church and society worldwide, with special regard for those who are suffering and/or marginalized. Examples will be drawn both from history and our contemporary world.

Tags: AAQR

**MATH 107. Finite Mathematics and Applications. (4 Credits)**

Designed to provide the mathematical tools that a college graduate is likely to encounter in his or her work. Core topics include systems of linear equations, mathematics of finance, and basic probability and statistics. Additional topics may include game theory for decision making, linear programming, iterated processes, or networks. Extensive use of spreadsheet programs. The course illustrates the relevance of mathematics to life applications by taking real or realistic examples from business, economics, social sciences, and life sciences.

Tags: AAQR

**MATH 125. Mathematics for Elementary and Middle Grade Education. (4 Credits)**

Numeration systems, set theory, the whole number, integer number, and rational number systems with associated axioms, operations, relations, and counting principles. Topics from geometry, measurement, logic, and probability and statistics. For elementary education majors only.

**MATH 131. Precalculus. (4 Credits)**

A course in elementary functions intended to prepare students for MATH 221 or MATH 231. Topics include the properties of the real number system, inequalities and absolute values, functions and their graphs, solutions of equations, polynomial functions, trigonometric functions, exponential, and logarithm functions. Emphasis on using functions to model physical or social systems.

Tags: AAQR
MATH 221. Applied Calculus. (4 Credits)
This course covers the ideas of calculus, emphasizing applications to business and the social sciences. It includes a wider range of topics than MATH 231 but with less depth of coverage. Topics include limits, definitions and applications of the derivative and integral, and functions of one or more variables. Prerequisite: MATH 131 or Precalculus competence. This course does not count towards the mathematics major. Only one of MATH 221 or MATH 231 may be taken for credit.
Tags: AAQR

MATH 231. Calculus I. (4 Credits)
This course covers differential and integral calculus of functions of a single real variable, including trigonometric, exponential, and logarithmic functions. Derivatives and integrals are studied symbolically, graphically, and numerically. Applications of calculus are emphasized throughout the course. Three lectures, two hours drill. Prerequisite: MATH 231 or 233 with a minimum grade of C-, or AP Calculus AB score of 4 or 5, or BC score of 3.

MATH 232. Calculus II. (4 Credits)
This course covers the ideas of calculus, emphasizing applications to business and the social sciences. It includes a wider range of topics than MATH 231 but with less depth of coverage. Topics include limits, definitions and applications of the derivative and integral, and functions of one or more variables. Prerequisite: MATH 231 or Precalculus competence (see Calculus Readiness Assessment).

MATH 233. Calculus I B. (2 Credits)
This is a 2-hour course that covers the B-Quad material of MATH 231. It meets concurrently with MATH 231 in B-Quad. Three lectures, two hours drill. Prerequisite: AP Calculus AB score of 3 or BC score of 2.

MATH 234. Calculus II B. (2 Credits)
This is a 2-hour course that covers the B-Quad material of MATH 232. Prerequisite: AP Calculus BC score of 4 or 5.

MATH 241. Introduction to Proofs. (2 Credits)
Propositional logic, quantifiers, elementary proof techniques and strategies. An introduction to set theory, including operations on sets, definition of functions, relations. Basic number theory including divisibility, primes, greatest common divisor, Euclidean Algorithm. Induction and well-ordering. Permutations and combinations. Axiomatic systems. Prerequisite: MATH 232.

MATH 243. Discrete Mathematics and Functional Programming. (4 Credits)
Sets, logic, the nature of proof, induction, algorithms, algorithm correctness, relations, lattices, functions, and graphs. Functional programming and recursion using the ML programming language. May not be taken after MATH 341 or MATH 351.
Tags: AAQR

MATH 245. Linear Algebra. (4 Credits)
Starting with solving systems of linear equations, matrix algebra is used to explore vector spaces and linear transformations. Emphasis is given to bases, dimension, eigenvectors, and orthogonality. Prerequisite: MATH 231 or 233.

MATH 253. Introduction to Statistics. (4 Credits)
An introduction to statistics, sampling theory, and statistical decision making from a solid mathematical basis for non-mathematics majors. Topics chosen from discrete and continuous distributions, moments, hypothesis testing, correlation and multiple correlation, regression (linear, multivariate, logistic), ANOVA, contingency tables with tests for independence, sampling theory, and rudimentary non-parametric statistics. Students will use selected software packages for data processing and analysis. Prerequisite: MATH 131 or Precalculus knowledge.
Tags: AAQR

MATH 301. Intro to Upper-Level Math. (2 Credits)
Introduction to learning and communication processes used in upper-level mathematics: primary literature sources, presenting mathematics in writing and orally using specialized software. The vocation of a mathematician: ongoing research developments, professional opportunities in academia and in the industry. Prerequisite: MATH 231 or 233. For sophomore or junior math or applied math majors only.

MATH 302. Applied Project I. (2 Credits)
Submission of Applied Project proposal. Preliminary draft of research project including problem statement, scope of project, background, design and methodology in consultation with faculty project advisor(s). Prerequisite: MATH 301.

MATH 314. Problem Solving Seminar. (2 Credits)
Mathematical problem solving aimed at students who enjoy solving problems in a variety of areas of mathematics, and who would like to strengthen their creative mathematical thinking. Students are required to take the William Lowell Putnam Undergraduate Mathematics Competition. Prerequisites: MATH 232 or 234, and 245.

MATH 324. Methods of Teaching Mathematics. (2 Credits)
Theories and methods for teaching mathematics at the secondary level. Topics include cooperative learning, classroom management, and creative teaching ideas. Consideration of current math technology and curriculum standards. Required of mathematics majors in WheTEP prior to student teaching. Prerequisite: Acceptance to WheTEP.

MATH 325. Methods of Teaching Middle Grade Mathematics. (2 Credits)
Theories and methods for teaching mathematics at the middle grade level. Topics include effective teaching strategies, planning, and assessment of math content. Based on the Common Core State Standards for Mathematics and the Illinois Professional Teaching Standards. Prerequisite: Acceptance to WheTEP.

MATH 331. Vector Calculus. (2 Credits)
Vector algebra, properties of transformations, curves and surfaces, line, surface, and volume integrals, Green's, Stokes', and the divergence theorems. Prerequisite: MATH 232 or 234.

MATH 333. Differential Equations. (4 Credits)
An introduction into the theory, methods of solution, and selected applications of ordinary differential equations. Topics include first order equations, second order linear equations with constant coefficients, numerical analysis of ordinary differential equations, Laplace Transforms, series solutions, and systems of differential equations. Prerequisite: MATH 232 or 234.
MATH 341. Modern Algebra. (4 Credits)
An introduction to the theory of groups, rings, and fields. Topics in group theory include Lagrange's theorem, quotient groups, applications to geometry, public key cryptography, and finitely generated abelian groups. Topics in field theory include field extensions, Euclidean construction problems, cubic and quartic equations. Prerequisite: MATH 245 or consent of instructor.

MATH 343. Discrete Mathematics. (4 Credits)
Basic and advanced topics selected from sets and logic, Boolean algebra, functions, algorithms, relations and recursion, combinatorics, graph theory, nature of proof, number theory and cryptography. Prerequisite: MATH 231, 233 or consent of instructor. Offered spring of even-numbered years.

MATH 351. Analysis I. (4 Credits)
Derivation of the properties of continuity, differentiability, integrability, and convergence by use of the limit concept and basic axioms of the real number field. Prerequisites: MATH 232 (or MATH 234) and MATH 245, or consent of instructor.

MATH 352. Complex Analysis. (4 Credits)
An introduction to functions of a complex variable. Topics include the algebra and geometry of complex numbers, mappings of the complex plane, elementary analytic functions, complex functions defined by power series, and differentiation and integration of complex functions. Prerequisite: MATH 331 (MATH 351 recommended). Offered spring of odd-numbered years.

MATH 356. Geometry. (4 Credits)
Selected topics from finite, affine, projective, Euclidean and non-Euclidean geometry from both the axiomatic and transformation approaches. Prerequisite: MATH 245. Offered spring of odd-numbered years.

MATH 363. Probability and Statistics I. (4 Credits)
An introduction to probability theory, including discrete and continuous distributions. Topics covered include independence, conditional probability, expectation, variance and covariance, random vectors, and the central limit theorem. Prerequisites: MATH 232 (or MATH 234) and MATH 245.

MATH 364. Mathematical Modeling. (4 Credits)
A course designed to develop an appreciation for, an understanding of, and a facility in the use of mathematics in the social and life sciences. Particular problems in political science, ecology, psychology, sociology, economics, anthropology, epidemiology, and business management provide the motivation for the development of tools and techniques employed throughout applied mathematics. Prerequisites: MATH 232 (or MATH 234) and MATH 245.

MATH 385. Topics in Applied Mathematics. (4 Credits)
A topic selected for each semester in which the course is offered that focuses upon a particular applied mathematics discipline in a way that brings important mathematical theory and methods to practice. Possibilities include Numerical Analysis, Dynamical Systems, Applied Linear Algebra, Operations Research, Cryptography, or Applied Discrete Math. Prerequisites: MATH 232 (or MATH 234) and MATH 245 or consent of instructor.

MATH 386. Topics in Statistics. (4 Credits)
A topic selected for each semester in which the course is offered that focuses upon a particular application in depth and goes beyond methods covered in MATH 363. Some possible topics include Bayesian Analysis, Machine Learning, Nonparametric Methods, Regression, or Structural Equation Modeling. Prerequisite: MATH 363.

MATH 394. Seminar. (2 Credits)
Study of a topic of mathematics not covered in the other courses. May be retaken when different topics are offered. Prerequisite: Consent of instructor. Offered on demand. Last offering was Topology.

MATH 433. Partial Differential Equations. (4 Credits)
Partial differential equations (PDEs) are differential equations involving functions of multiple independent variables and partial derivatives. PDEs are ubiquitous in the natural sciences, especially physics and engineering, appearing in mathematical models that vary in time and space such as diffusion, fluid flow, vibrating strings and membranes, waves (sound, electromagnetic), transport phenomena, and quantum mechanics. The course focuses on analytical methods for solving PDEs with extensions into Fourier theory, L2 theory, and Sturm-Liouville theory. Prerequisites: MATH 245 and 333.

MATH 441. Algebra II. (4 Credits)
Advanced group theory, including group actions and Sylow topics. Module theory with selected applications. Galois theory of field extensions. Multivariable polynomial rings with applications of Groebner bases. Introduction to the concept of categories. Prerequisite: MATH 341. Offered fall of even-numbered years.

MATH 451. Analysis II. (2 or 4 Credits)
Study of topics from real analysis. Prerequisite: MATH 351. Alternate years.

MATH 463. Probability & Statistics II. (4 Credits)
Starting from a review of probability distributions and their underlying assumptions and features, this course focuses upon statistical inference and data analysis. Topics will be chosen from parametric hypothesis testing, ANOVA, contingency tables and tests for independence, regression techniques and some Bayesian/non-parametric methodology. Prerequisite: MATH 363.

MATH 485. Advanced Topics in Mathematics. (4 Credits)
Selected topics from advanced mathematics, such as Number Theory, Partial Differential Equations, or Differential Geometry. Prerequisite: MATH 245.

MATH 493. Mentored Research Seminar. (2 or 4 Credits)
Faculty and student collaboration on a project of mutual interest. Limited enrollment - faculty approval required.

MATH 494. Senior Seminar. (2 Credits)
494-1. (Section 1) "Mathematics and Its Foundations". A study of the historical development of the main ideas in mathematics, with an emphasis on the nineteenth-century developments in axiomatics, logic, number and set theory which led to the twentieth-century developments in the philosophy and foundations of mathematics. As a Christ at the Core Capstone course, students will actively participate in this learning experience by extensive reading, group discussions and several written assignments. Prerequisites: Senior standing in the mathematics major, MATH 341 and 351.; 494-2. (Section 2) "Applied Mathematics Senior Seminar". Christ at the Core Capstone course integrating the applied math program with liberal arts learning. Historical survey and current applications of important mathematical equations and models. Applied project work and oral presentations connecting applied mathematics with other disciplines, humanitarian organizations, and/or faith-based mission in under-served communities, and also with Christ at the Core learning. Reflection on diverse and distinctive callings of Christian mathematicians and the Christ at the Core student calling to grow in knowledge, wisdom and Christian character. Prerequisites: Senior standing in the applied math major including MATH 302, or consent of instructor.
Computer Science Courses

CSCI 233. Introduction to Scientific Computing. (4 Credits)
Introduction to programming and computer analysis of data for scientific applications. Scripting and treatment of numerical issues are integrated into the content stream.

CSCI 235. Programming I: Problem Solving. (4 Credits)
A first course in computer programming for beginners. Structured and object-oriented programming in Java or a similar programming language. Types, control structures, methods, and recursion; objects, classes, interfaces, encapsulation and polymorphism; exceptions, library classes, file I/O, linked lists, and graphical user interfaces.

CSCI 243. Discrete Mathematics and Functional Programming. (4 Credits)
Sets, logic, the nature of proof, induction, algorithms, algorithm correctness, relations, lattices, functions, and graphs. Functional programming and recursion using the ML programming language. May not be taken after MATH 341 or MATH 351.

CSCI 245. Programming II: Object-Oriented Design. (4 Credits)
A gateway to the computer science major, introducing a range of themes in the field of computer science. Object-oriented programming in Java or a similar language: code reuse with composition and inheritance; generic types; design patterns. Software development: development tools, attributes of good design. Algorithmic analysis; searching and sorting algorithms. Abstract data types: stacks, queues, trees, hashing; linked vs array-based implementation. Systems programming in C; pointers and dynamic allocation; model of machine memory, organization, and execution. Prerequisite: CSCI 235 or departmental approval.

CSCI 335. Software Development. (4 Credits)
Principles and practices of software development including design patterns, validation and testing, coordination of team projects. Introduction to databases and user interface design. Professional issues in computing. Prerequisite: CSCI 245; Pre or Corequisite: CSCI 243.

CSCI 345. Data Structures & Algorithms. (4 Credits)
Formal and experimental approaches to verifying algorithms’ correctness and analyzing their efficiency. Abstract data types and their implementations. Efficient implementations of maps using balanced binary search trees and hash tables. Graph algorithms. Dynamic programming. Prerequisites: CSCI 243 and CSCI 245.

CSCI 351. Introduction to Computer Systems. (4 Credits)
An introduction to low-level systems issues from the perspective of the programmer. Representation of both data and program as produced by a compiler; hardware support for memory, input/output, and parallelism; fundamental ideas in operating systems and networking. Prerequisite: CSCI 245.

CSCI 357. Networking. (4 Credits)
Examination of the fundamental problems in computer internetworking, from the link to application levels, with particular attention to the Internet protocols. Issues include naming/addressing, error-handling, routing, and decentralized control. Prerequisite: CSCI 351.

CSCI 361. Computer Graphics. (4 Credits)
Introduction to graphical programming environments, OpenGL libraries. Rendering three-dimensional images, transformations, windowing, clipping, shading, and image enhancements. Prerequisite: CSCI 345.

CSCI 365. Programming Language Concepts. (4 Credits)
A survey of the design and implementation of programming languages: grammars, parsing, and abstract syntax; compilers, interpreters, and other language systems; type-checking and other static analyses; formal semantic specifications; implementation of imperative, functional, and object-oriented language features; type-soundness proofs; tail form and continuation passing style. Prerequisites: CSCI 335 and CSCI 351.

CSCI 371. Database Management Systems. (4 Credits)

CSCI 384. Computational Linguistics. (4 Credits)
An exploration of big ideas in computational linguistics, natural language processing, and/or language technologies. Language models, n-grams, information theory and entropy, and semantics. Applications of computational linguistics such as part-of-speech tagging, authorship attribution, automatic translation, and sentiment analysis. Prerequisite: CSCI 345 (non-majors without the prerequisite may enroll with departmental approval).

CSCI 394. Seminar. (2 or 4 Credits)
Selected topics in Computer Science at each offering, including such subjects as object-oriented design, e-commerce, human computer interface, networking services. May be taken again when a different topic is offered. Prerequisite: Departmental approval.

CSCI 445. Analysis of Algorithms. (4 Credits)
An introduction to algorithmic efficiency and to techniques for the design and analysis of efficient algorithms. General topics include review of asymptotics, algorithm design techniques (such as divide-and-conquer, dynamic programming, and greedy algorithms), graph algorithms, languages and automata, and NP-completeness. Prerequisite: CSCI 345.

CSCI 455. Operating Systems. (4 Credits)
Dynamic process activation, system structure, abstract machines, kernels, performance evaluation, memory management, processor management, time management, recovery procedures, file systems, security, scheduling, device management, networks. Prerequisites: CSCI 335 and CSCI 351.

CSCI 493. Mentoring Seminar. (2 or 4 Credits)
Faculty and student collaboration on a project of mutual interest. Limited enrollment - faculty approval required.

CSCI 494. Social and Ethical Issues in Computing. (2 Credits)
A study of the ways in which the computer and communications revolution is changing society to develop an awareness of and sensitivity to the ethical issues that arise in computer science and related professions. Prerequisite: Senior standing in the major.

CSCI 495. Independent Study. (1 to 4 Credits)
An individually adapted study of any aspect of computing science or its relationship to other fields of study.

CSCI 496. Internship. (2 or 4 Credits)
Graded pass/fail. Prerequisite: junior or senior standing with Computer Science major. May repeat once for a total of 4 hours.
Core and General Studies

Every freshman will take the First Year Seminar (CORE 101) the fall semester of their freshman year. The First Year Seminar is composed of 2/3 shared content and 1/3 specialized content unique to the faculty member and course section. The first 2/3 of every First Year Seminar features shared readings and focus on the theme of "What is the Good Life" and other enduring questions. See Core 101 Sections (p. 103) for descriptions of the last 4 weeks of the semester and the instructor’s 1/3 specialized content.

CORE 3XX. Advanced Integrative Seminar. Students should take the Advanced Integrative Seminar after the First Year Seminar and before the Core Curriculum Capstone Experience, ideally during their sophomore or junior year. This course will foster advanced skills in the Christian liberal arts and the integration of faith and learning through an intensive focus on a complex topic requiring both interdisciplinary and integrative perspectives. The Advanced Integrative Seminar must be a course outside of a student's major(s). It will challenge students to read, discuss, and write with rigor and increased maturity as they draw upon the resources of the Christian faith to address the content and questions of their seminar’s topic. These courses may meet the requirements of one or two of the categories in the Thematic Core. Resources will be available for faculty interested in team teaching this course. Prerequisite: CORE 101 First Year Seminar: Enduring Questions

CORE 101 Sections

Neuroscience & Faith
Recent research in neurobiology has been reported in mainstream magazines and popular books, and at times, this research seems to indicate that we are nothing but our neural connections. This research documents connections between brain function and mental health, personality, emotions, and relationships, among other things. How does neurobiology, though, intersect with our Christian faith? Is research in neurobiology explaining faith away? Can someone be a committed Christian and embrace scientific discoveries in brain research? Is it possible that spiritual disciplines, such as meditation, prayer, and worship have an effect upon the neural structures in our brain? In addition to examining texts from authors such as Augustine, Wright, and Endo, students in this First Year Seminar will examine correlations between neurobiology and spiritual formation for the purpose of embracing the breadth of liberal arts learning, worshiping the Creator and Author of all things, and learning about the interconnectedness between our neurobiology and spiritual practices.

What is Justice?
What is justice? What does it mean for a society to be just? And how should we respond to injustice? This section of the First Year Seminar will take up such questions as we consider what it means to live “the good life” with and for others. Beginning with Isaiah’s exhortation to “seek justice,” we will explore different ways that writers and artists have understood the concept, and we will consider case studies from South Africa and the United States that illustrate what (in)justice looks like in practice. Guides on our journey together will include Plato, Augustine, Shakespeare, Weil, King, Tutu, Krog, and many others.

Cosmology and the Good Life
Students will explore the question “How is cosmology connected to the good life?” in this section. Historical, theological, scientific, philosophy of social science and cultural criticism readings will be used to explore how all cosmologies are either explicitly or implicitly intertwined with a conception of the good life. Students will start by investigating traditional Chinese, Japanese and Hindu cosmologies and the form of the good life these cosmologies presuppose. Next, they will look at how astronomers learn about the cosmos and learn about contemporary scientific cosmology. Students will then be in a position to explore what vision of the good life is intertwined with contemporary scientific cosmology in American society. Finally, drawing on the entire semester students will explore whether there is an alternative to the contemporary American/scientific cosmology default conception of the good life.

Living with More Rhythm
The good life is filled with rhythm. We find rhythm in human artistic expression (music, film, dance), in persuasive communication (public voice, relationship coordination) and life balance (spiritual disciplines). If we lack rhythm, then we probably are lacking some of the joy and fulfillment available to us through our personal expressions, our relationships, or our faith in Christ. To explore rhythm, we will enjoy reading about, and experiencing, “rhythm and blues” music, film editing, persuasive strategy, and various spiritual disciplines.

Good Life & Communication
The word “communication” comes from the Latin root communis, or common. It represents a very old discipline that dates from ancient speakers and philosophers to the new technologies and innovators that are changing our world. Communication shapes our lives by developing a common or shared understanding of who we are, what we believe, and what is our place in this world. It studies relationships and messages across interpersonal, small group, organizational, and public contexts. It first teaches us how our perceptions of self and others formulate identity. It teaches us how to develop and sustain relationships with others as we build common understanding through encoding and decoding symbolic behavior (verbal, nonverbal, and visual) that creates meaning. It teaches us what is appropriate (i.e., the rules of interaction management) as well as what is effective (i.e., how to achieve our relational goals). This understanding builds community between people, bridging the differences between individuals and cultures as we listen to their voices. Ultimately, communication leads us to empower the voices of others and in the process, learn how to sustain and share the Good Life.

Can Politics Be Civil?
This section will examine the relationship between civility and democracy, an important theme in politically divisive times. In particular, we will explore the questions: “How do we treat each other well in political communities?” and “How can we engage in politics with civility and respect?” To help us wrestle with these questions, the focused readings in this seminar will examine the nature and purpose of political communities and discuss specific research findings in moral psychology, sociology of race, and political communication that affect how, when, and where people engage in politics. We will use the lens of virtues and vices to identify sinful patterns to avoid and to point us toward God-honoring ways to debate political questions and seek human flourishing.

Creativity & the Good Life
What does it mean to be a creative human being? Students will reflect on how being made in the Image of God imbues us with creative capacities, allowing us to participate in the process of making all sorts of things, immaterial and material. In a real sense, what we choose to create will direct our energies toward the kind of life that we will live. Some of the corollary concerns that this seminar will examine are as follows. Is creativity a gift given only to some and not to others? Does it need to be cultivated, and if so, how? Are there risks involved in exercising creative potential? In what ways is our potential as humans tethered to our embracing of creative capacities? What is a biblical foundation for
creative expression? This seminar will provide both a conceptual and practical opportunity for students to define and clarify personal creativity.

Who Am I?
The perennial question, "Who Am I?" will be approached from an identity development perspective. This draws on research and writing from fields like developmental psychology, family systems theory, theology, and community art to understand identity development. A major value in answering this question will be to consider development in context. Thus, how the individual interacts with various outside factors must be considered. The course will include readings and discussion on race, gender, culture, family dynamics, and membership in community.

How Do We Help the Poor?
"How best can we do good for the poor?" From a Christian point of view, we are more like God and also more truly human when we give rather than receive (Acts 20:35), when we are generous (2 Cor. 9:7), and when we consider others before ourselves (Phil. 2:3). Showing love and fulfilling our duties to others are essential aspects of the Good Life. As Jesus said, we will always have the poor with us (Mark 14:7; Matt. 26:11), and it is fundamental to Jesus' mission to bring good news to the poor (e.g. Matt. 11:5; 19:21; Luke 4:18; 14:13; 18:22; 19:8). Therefore, one way to practice the Good Life is to care for the poor. Yet, while this important value is simple at its core, it is also complex to put into practice. We must start with love for God and neighbor and a spirit of grateful obedience to God. Yet, to answer the question, "How best can we do good for the poor?" (cf. Mark 14:7), we must consider many issues related to people's individual needs and how societies function on multiple levels, informed by Scripture and also by all of the humanities and social sciences that give insight into the human condition.

Relationship to Creation
What is our real place in and relationship to His Creation? Beyond core assignments, the distinctive theme for this section comes through supplemental readings of diverse types to give focus on the Lord's great creative genius in this earthly home. What is it that thrills our hearts in the presence of mountains, beaches, forests, deserts, streams, oceans, and among the grand variety of living things? What can Scripture with its theological history, the testimony of scientific exploration, and the constant interaction of humanity with all Creation mean to us and our lifestyles? What is the current state of God's good Creation in relationship to the industry and aspirations of His image bearers? Join us if you love the wonders of the outdoors, and especially if life and earth science are realms that stimulate your imagination. Science can be very sterile or intimidating if considered without application to our practical and aesthetic sensitivities. Living on this planet without a proper appreciation for how it functions in God's design is unwise. The seminar will bring together many aspects of living and study to help us realize what the Creator considers the "good life".

Diversity & Community
Our course will study human flourishing in the context of community. "In what ways is human flourishing defined by and rooted in community?" "How can we flourish given the challenges and realities of our differences?" Individual and group identities are often based upon the intersection of gender, ethnicity, socio-economic resources, and race. What the good life entails and who may pursue it are profoundly influenced by a sense of the differences between individuals. Men and women in other historical and cultural contexts often defined the good life in strikingly different ways—particularly in their emphasis on the centrality of community to human flourishing. In this seminar, students will examine the question of living well in diverse communities through a series of case studies on cross-cultural encounters in early North America. Topics include American Beginnings: Columbus and the Taino, After the Mayflower: Pilgrims and the Wampanoag, Salem Divided: War and Witchcraft in a New England Community, and Carolina Risings: Bondage, Freedom, and Revolt in Stono and Charleston. In doing so, they will engage with course materials that draw upon the insights of several disciplines including history, anthropology, theology, and environmental studies.

Culture & the Good Life
How do our cultures shape our understanding of The Good Life? The ways we experience and define The Good Life (Buen Vivir, eudemonia, magandang buhay) are never just products of an individual mind or a solitary encounter with God and scripture. They are always, and necessarily, produced and experienced in a socio-cultural context. This First Year Seminar will engage in a critical, but positive, understanding of the ways people in various cultural contexts think about "The Good Life," relating these ideas to scripture, tradition and the U.S. context. For us as much as anyone who has ever lived, our communities shape with us our ideas and practices that allow us to make such formulations. Throughout this seminar, and particularly in the final four weeks of the Instructor's Choice material, we will draw on sociocultural anthropology and related disciplines to encourage a culturally engaged and socially particular interrogation of what it means to live The Good Life.

Sexuality & Identity
Increasingly, sexuality is considered the "master dimension" that defines and establishes the foundation or core of human identity. Confusing messages abound in our culture about our sexual identities. Embedded in this cultural shift are disjointed and under examined understandings of the nature of sexuality. Our focus question will be "How do our sexuality and relationality shape human identity and personhood, and hence shape our experience of the good life?" In answering this question, we will address two important focal topics: First, we will attempt to step back and ask how we can begin to understand sexuality and relationality from a Christian perspective, and, on that basis, understand the proper role of sexuality in shaping and conditioning human identity and affecting our understanding of the good life. Second, we will look at interdisciplinary perspectives in understanding sexuality, with a primary focus on the social and natural sciences, to explore how these perspectives enhance and challenge a Christian perspective on these topics, and how a Christian perspective might shape our understanding of social and natural scientific perspectives on these topics.

Christian Community
This seminar introduces students to the Christian Liberal arts by engaging in enduring questions in a theologically informed way. Essential biblical and theological content will ground the investigation of enduring questions, the liberal arts, vocation, and character formation. The seminar will begin by investigating the perennial liberal arts question, "What is the good life?" This seminar will then engage the particular enduring question, "How can Christian community exhibit the character of Christ?" We will examine the narrative character of the Christian community, the competing narratives of Church and the world, and end with the practical aspects of Church and social engagement. This examination will be grounded in the biblical affirmation that Christians are called to exhibit the character of Christ and a biblical and theological account of Jesus's life and ministry. We will consider seriously the reality that human beings are formed by the narratives we encounter and in which we enter. By entering the narrative of God in Jesus, students will explore how the Christian Church differs in both practice and telos from the dominant secular paradigms. In doing so, we will address the narrative character
of communities, the Incarnation, moral authority of Scripture, the moral limits of a secular polity, virtue ethics, and the Church and social polity.

Living in God’s Creation
Humans are unique in creation. We are like the rest of creation in that we are created beings. At the same time we are different from the rest of creation in that we have the image of God as part of our nature. This position places both privileges and responsibilities on humankind regarding the environment in which we live. Sin produces disordered relationships between people and God, between people and each other, and between people and the rest of creation. Cultural, political, economic, and interpersonal problems resulting from human’s fallen nature are all played out within the context of our physical environment. The environment is influenced by these problems and at the same time shapes the problems. From Genesis to Revelation God provides guidance on how humans should live in the environment. Our ability to live well in creation hinges upon our understanding our Biblically mandated roles relative to the environment as well as considering the practical reasons for caring for creation. This First Year Seminar will use the lens of a Biblically and theologically informed view of the natural and human influenced environment to expand our consideration of “the good life”.

Justice, Mercy & Good Life
The question, “What is the Good Life?”, is organized around Micah 6:8, “He has told you what is good; and what does the Lord require of you but to do justice and to love kindness and to walk humbly with your God.” This seminar will ask: How are acts of justice, compassion, and humility an essential part of our journey of faith, i.e., the Good Life? It is my goal for the course to cultivate in students the ability to think and actively engage in the seeking of justice and compassion while serving God’s Kingdom with humility. Students will explore readings from various disciplines as they relate to justice seeking, shalom, and ethics, e.g., political scientists, theologians, philosophers and psychologists. Students will also explore their own developmental stories of family and community as influential in their ability to act in just, compassionate, and humble ways. Delving deeper into the Micah 6:8 call requires students to grow intellectually (with regard to understanding issues of justice and injustice), emotionally (as we explore compassion rather than sentimentalizing the poor), and spiritually (humility as formed by the Holy Spirit). Students will explore how advocacy for justice is both a spiritual discipline and a vocational vision.

What is Love?
This seminar will take up the particular enduring question, “What is love?” We will examine various forms of love, including: romantic love, familial love, friendship, love of neighbor, God’s love for us and our love for God. This examination will be grounded in the biblical affirmation that “God is Love” and a biblical and theological account of God’s love for humanity. This perennial question “What is Love?” will complement the theme of the First Year Seminar “What is the good life?” by encouraging students to consider how love directed outside of oneself toward a friend, a spouse, a child, a neighbor, and God is essential to the “good life” – a life in which a person, by God’s grace and call, is turned away from sinful self-preoccupation to love for others. The main text unique to this seminar will be C.S. Lewis’s classic book, The Four Loves.

Can War Be Just?
The perennial question organizing this FYS will be “Can war be just?” This question asks students to press to the very center of what it means to live well, both as individuals and together within political communities since every political community claims the right (and not just the power) to use lethal violence in defense of its interests and (ostensibly) its citizens. We will ask what it could mean for war to be just and whether we as Christians can ever be just warriors or if we should abjure “the sword.”

The Suburban Good Life
In the United States, the answer to the question “what is the good life?” is often related to images and experiences of suburban single-family homes as well as happy suburban families. This seminar will address the ways – including social forces, historical events, and political actions - in which this suburban answer developed in the United States. Additionally, we will consider how Christians might respond to the good life being placed in a particular geographic setting that critics argue promotes private space, individualism, homogeneity, and consumerism.

What is an Image?
The question “What is an image?” is about a lot more than art. Idolatrous images are a primary obstacle between God and his beloved people (2 Kings 21). On the other hand, the Israelites were commanded to make images as well (Exodus 25:18). We ourselves, furthermore, are made in the image and likeness of God (Gen. 1:27). Does this constitute a static possession or a dynamic destiny (1 Cor. 15:49)? If Christ is himself the “image of the invisible God” (Col. 1:15), are images of Jesus acceptable? What about images of God the Father or God the Holy Spirit (Deut. 4:15)? In the 21st century, we are saturated by images like never before – and they are not all holy. As Christians, should we resist these images or embrace them? Should we recover the best images from Christian history, or should we make new ones?

Where Do We Come From? God’s Universe Within
Our question leads us to explore the influence of past events in the history of the cosmos, Earth and life on the human body and mind. Our two primary books are God’s Universe by Owen Gingerich and The Universe Within: Discovering the Common History of Rocks, Planets and People, by Neil Shubin. Gingerich, a Harvard University astronomer and Christian, explains how the mainstream scientific enterprise and subsequent interpretations complement Christian understandings of divine action and the biblical accounts of origins. Shubin, a University of Chicago paleobiologist, writes from a mainstream scientific perspective and perceptively interprets the world we know, including our bodies, in the context of discoveries from astronomy, geology and paleobiology. Shubin asks questions like, “Where did the elements in our bodies come from?” “Why is there so much liquid water on Earth and not on other planets?” “Why do we live by the day-night cycle in our bodies?” Both books introduce readers to the scientists, men and women from many different cultures, who were responsible for breakthroughs in knowledge of the history of the cosmos and life. Additional articles further elaborate concepts of divine action, the methods, authority and purviews of science and theology as ways of knowing, and historical and contemporary examples of scientific discovery.

Accounting for Nature’s Beauty
As Fyodor Dostoevsky once remarked, “Beauty will save the world.” What could he have meant by this enigmatic claim? This seminar speaks to such perennial questions as: “What is beauty?”, “What does beauty tell us about reality?” and “What, if anything, is it there for?” Recognizing the role that beauty plays in the good life, we’ll explore its centrality in the arts, its surprising role in the sciences, its relationship with truth and goodness in philosophy, its revelatory role in theology, and beauty as a means of grace in our day-to-day life. This venture will involve reading texts about beauty but also beautiful texts; in this seminar, you will encounter beauty. It provides, we’ll discover, a window onto a reality that is as transforming as it is unmistakable. Beauty holds the power to transform the individual and the potential to remake the church as a compelling alternative to a culture that has sold out to the power of politics, finance, and celebrity.
Ultimately, the beauty that will save the world is the (shocking) beauty of the cross; day-to-day, it is the beauty of a life of love, joy, peace, patience, kindness, goodness, faithfulness, gentleness, and self-control.

Who is God?
“Who Is God?” is a foundational question for human existence, for only when we rightly know God can we rightly know ourselves and God’s creation. Scripture reveals many names for God, but in the New Testament, “Father” takes pride of place. This class explores the Old and New Testaments as well as church history and theology to understand what Christians mean when we call God “Father.” We then explore familial dimensions of the story of salvation: God’s partnering with a mother, Mary, to bring his Son, and Christians’ identity as sons and daughters of God. This FYS invites you to grasp in a deeper way the character of God who is our Father.

Biology & Glory of God
“Biology & Glory of God” is a perennial question for this proposed seminar. This question will be answered in four ways: “It reveals His power”, “It reveals His wisdom”, “It reveals His love”, and “It includes humans made in His image”. By exploring these four answers, students will appreciate how living within this biological world reveals aspects of God’s nature and therefore contributes to the “good life”, living for God’s glory in fellowship with Him.

Good Life in the Media Age. Can The Good Life Be Virtualized?
In this interdisciplinary First Year Seminar, students will be introduced to a wide variety of classical, Christian, and liberal arts authors and perspectives. Additionally, students will be introduced to a new interdisciplinary social science calling itself Media Ecology, which studies the effects of media and technologies on the human biological, social, and cultural environment. Using this new tool of social science will offer students fresh perspectives and interpretations on some of the enduring questions that humanity has been asking itself for centuries.

What Is Matter?
What is matter? More specifically, how does our understanding of matter (i.e. the “stuff” of the physical world) shape our vision of the Good Life and contribute to its pursuit? As chemists we will focus particularly on how our mastery of atomic and molecular theory has enabled a reshaping of our modern ideals of the Good Life. Humans have always wrapped their understanding of the natural world into their bigger visions of life, so in the first week we explore some history of thought regarding the nature of matter and how those alternate visions impacted other areas of culture. In the second week we read a detailed case study of one scientific discovery that helped us arrive at our modern understanding of matter—the dispelling of the phlogiston myth. This will help students appreciate how science is done and how entrenched ideas of the world can be hard to break. In the final two weeks we use Andy Crouch’s work on culture-making as a backdrop to discussions of how modern visions of the Good Life have been shaped by the capabilities and creations of chemistry. We will examine two case studies from modern society and science: DNA technology and plastics.

Studying the Physical Universe
Students in this section will investigate the question “why is understanding the physical universe essential to the good life?” Readings will introduce students to questions and perspectives that examine the relationship between the physical universe and the good life, including investigating what areas of the human experience science can and cannot address. Next, students will read and discuss differences between observation and experimentation and how these practices shape the experience of being human and pursuing a good life. Finally, the last week of the course will guide students through forming an integrated, holistic perspective of the good life that gives adequate and relevance place for the physical universe.

Spiritual Disciplines
When thinking about the good life, people today are inclined to first think about what possessions are needed in order to have such a life. We have been trained to think that we are what we have or what we consume. However, we get a much different answer from the ancient world. To paraphrase Aristotle, “We are what we repeatedly do.” The good life, then, is more determined by our habits than by what we possess. The Christian tradition acknowledges this emphasis on habit and habit formation and also emphasizes the importance of the heart: “Above all else, guard your heart, for everything you do flows from it” (Proverbs 4:23). The selected theme builds on the overall topic of the good life and Christian discipleship. Specifically, we will survey “How do Christian spiritual practices contribute to the good life?” We will explore how Christians have understood the development of virtues and the disciplines that promote them as vital to the good and full life. Accordingly, students will be introduced to several classic Christian spiritual disciplines that promote habits for flourishing.

What is an Individual?
The perennial question—What does it mean to be an individual?—provides students the opportunity to consider how beliefs, assumptions, and narratives concerning personhood and identity influence our understanding of “the good life.” Key questions will be based on an understanding of the term individual as “indivisible,” or part of a larger whole, as well as “distinct from others.” Readings will consider how philosophers, theologians, writers, and artists have thought about individuality in terms of embodiment, the shaping power of culture, and the rise of humanitarian movements that emphasize our sympathetic attachments to both local and global communities.

The Value of Creativity
What is creativity? This course will consider the nature of creativity by exploring the following questions through readings, discussions, writing assignments, experiential learning, and related projects. How does the current interest in creativity compare with past views of creativity? Do beliefs about creativity influence one’s creativity? How have educational experiences impared or invigorated creativity? How do various disciplines view creativity, & what can be learned from this? How do our spiritual practices affirm or challenge our notion of creativity? How do our views of creativity influence our role in our various communities? How does our view and definition of vocation invite or ignore cultivating various forms of creativity in our lives?

Modern American Families
“What is the ideal modern American family?” This course explores how American families have changed over time and how those changes have influenced our understanding of “the good life.” When and why did American men and women shift from courtship to dating? What have been the changes to men and women’s roles in home and society? How and why did the ideal American childhood move from a useful childhood to a more protected childhood free from work? How did the rise of the middle class and mass media contribute to increasingly controversial debates about gender roles, reproduction, parenting, dating, feminism, and sexualiy? We will consider how the politicized public debate about gender and family was at the heart of the 20th-century culture wars while also shaping our own current assumptions about love, family, dating, sex, marriage, and more. As students learn the history of these debates,
they will be prompted to grapple with their experiences and expectations related to the family and the good life.

**Character Formation and the Good Life**

How can we live robust, flourishing, happy lives? Ancient Greeks philosophers and Christian faithful agree that cultivating virtues and avoiding vices is essential for happiness. Virtues are acquired habits of excellence in areas of human life that are important and challenging, such as gaining wisdom and understanding, dispensing justice, loving your neighbor, and contributing to the good society. Virtues such as practical wisdom, humility, generosity, compassion, self-control, and love help us to achieve these important goods. Insofar as virtues are taking up permanent residence in us, we are being conformed to Christ-likeness. Christians are also called to avoid or conquer vicious traits, such as pride, anger, greed, that diminish us as persons and are counterproductive to our flourishing. Indeed, your character, who you are in your innermost being, is a unique blend of good and bad character traits. The process of sanctification whereby we are transformed into new creatures in Christ, requires that we cultivate virtues. Indeed, the apostle Peter says, “make every effort to add to your faith virtue” (2 Pet 1:5). Why? So that we may be conformed to the divine image. This class will explore the nature of virtues and vices: how to cultivate the former and avoid the latter.

**What Does It Mean to Be Human? Soul, Mind or Brain?**

There are a variety of ways of exploring this question, as a neuroscientist, the instructor will be framing it within the history and development of brain science. Our understanding of what it means to be a human being has been profoundly impacted by research on the brain over the last two centuries. The primary thesis for the section is that there has been a movement in the culture from ‘I have a soul’, to ‘I have a mind’, to ‘I am a brain.’ Included are readings on how our knowledge of brain abnormalities/pathologies (i.e. Alzheimer’s Dementia, tumors, etc.) contributes to our understanding of what it means to have value as a human being, and what it means to flourish. In the last 30 years, however, advances in brain imaging technologies have enabled us to look inside the “black box” of the mind and have challenged the way we think about what it means to be human and if human flourishing can be reduced to a matter of neurological eudemonia.

**Diversities in Good Life - Is the Good Life Culturally Specific?**

Is the good life culturally specific? Taking the questions and themes from Weeks 1-6 as a springboard, this course will consider whether specific cultures, traditions, and historical contexts help shape ideas of the good life in different communities. Students will discuss texts grounded in American, Korean, Japanese, and Chinese experiences to explore possible, culturally and historically specific differences in grapples with the good life as well as similarities across time and space.

**How Should We Face Death?**

Any answer given to the question, “What is the good life?” will be linked to the question of how we face the end of that life. After all, it makes sense that a good life will lead to a good death. So how should we face death? What kind of spiritual, emotional, and physical preparations should we make for death? What is the proper Christian approach to death, given its relationship to sin (Genesis 2:17, 3:19)? How does the fact that death has been defeated by Jesus Christ change our approach to death (1. Cor. 15:53-57)? And what does the reality of death teach us about the meaning of life?

**How Do We Love “the Other”?**

The concepts of “the Other,” “otherness,” “othering” have taken root in diverse academic disciplines (sociology, psychology, literary criticism, and more). The Bible provides us with crucial accounts of Christ demonstrating the love of the Other, the sick, the outcast, the profane, and the foreign. While our love of Christ compels us toward the love of the Other, the capacity to empathize (even though it seems innate) is a trained skill. This seminar is based on a premise that the use of the imagination is a spiritual discipline for learning to love the Other in different contexts. Through discussions and projects, students will take on the challenge of seeing the world from the viewpoint of the Other, those who are distanced from them racially, historically, geographically, culturally, gender-wise, etc. We’ll explore such topics as the role of storytelling, literature of witness, nature as the Other in myth and fantasy, and why translation matters. Our reading/viewing list will include Maus (graphic memoir) by Art Spiegelman, I Could Tell You Stories (essay) by Patricia Hampl, Nausicaa of the Valley of the Wind and Princess Mononoke (animation) by Hayao Miyazaki.

**How Should We Live in Time?**

Faced with too many good options, students often wonder what metrics to apply for choosing temporal activities or managing the anxiety of the choice. And the stakes of the choices—the good life itself—are high. In this seminar, students will reflect on ideas and theories about time and human experience of time from theology, physics, music, philosophy, literature, psychology, and history. We will reflect on the phenomenon of time and how we experience it, not merely seeking the ideal planner or the productivity manager, but the God who, as Karl Barth famously wrote, in Christ “has time for us.”

**Why Do We Suffer?**

To answer the query of “What is the good life” we must also wrestle with the reality of suffering and ask how suffering is for Christians a way to live the good life. The question of why we suffer also raises related questions, which are significant for coming to a more adequate way of asking about suffering particularly in a Christian context. Some of the questions that will be addressed in the final weeks of the semester are: (a) What is evil and what is the origin of evil? (b) Why might God allow suffering? (c) How does suffering fit into (and why is it central to the Christian story? and (d) How should we respond to our own and others’ suffering?

**What is a Thriving City?**

Students will consider what it means and takes for human communities, and especially cities, to thrive. They will examine various notions of the common good, explore the ways in which it is pursued and achieved or neglected and undermined, and integrate relevant resources from Scripture and the Christian tradition in critiquing and constructing a vision of thriving cities. This question complements the FYS’s theme question of “What is the Good Life?” by revising the social and community dimensions of that question, by expanding on those dimensions to explore the conditions for and endowments required for living the good life together, and by giving concrete expression to the discourses, institutions, and practices that advance or hinder the pursuit of the good life in community.

**How Do We Live Well in Community?**

This perennial question that students will pursue at the end of this FYS will be anchored by Marilynne Robinson’s novel “Home”, which will be placed within the context of scripture, theology, and works from other disciplinary perspectives as students explore various challenges within community, particularly the loneliness of singleness and the dangers of racism.
How Do Power and Tragedy Shape the Good Life?
An exploration of how expressions of Power - be they individual, cultural, political, or divine - and experiences of tragedy shape and challenge the Christian pursuit of the Good Life.

Where is the Good Life? Places Matters
The perennial questions for this course are: "Where is the good life?" and, "How do I live well there?" These questions ground the FYS theme of "What is the good life" in a particular place, Wheaton, IL. Together, we will attend to place, exploring the relationships between people, institutions and creation that have created Wheaton (and, to some extent, Chicago). Students will begin to develop a thick understanding of this place, enabling them to seek the good of the places - the people, creation, the built environment, the relationships between those - to which God calls them after Wheaton.

Chivalry and the Good Life
What is the relationship of chivalry to the good life? How have the medieval ideals of chivalry (honor, loyalty, bravery, courtesy, romantic love, obedience to authority, protecting the weak, et al.) influenced or been reinterpreted as the ethics of the good life in a postmodern, post-Christian society? This portion of the First Year Seminar seeks to answer these questions by first, exploring the origins of courtly values in literature adapted from Old French textual predecessors for Middle High German audiences in the literary romances written by Swabian medieval poet Hartmann von Aue, and, secondly, by comparing those ideals to the questions of what it means to live a good life. Students will read the texts by Hartmann von Aue in English translation as well as articles from secondary literature on specific aspects of these works.

Happily Ever After? Good and Evil Lives in the Fairy Tales of the Brothers Grimm
Over two centuries after Jacob and Wilhelm Grimm first published their collection of fairy tales, images and tropes from those tales remain omnipresent, from the fictional "Storybrooke" to the very real Cinderella's Castle at Disney World, and from "Tangled" to "Into the Woods." "Happily ever after" is not a mere cliché, but instead a powerful phrase that summons images of glass slippers, poisoned apples, and big, bad wolves. More importantly, it also completes the sentence that begins "And they lived..." serving as the capstone of stories about the lost who are found, the lowly who are raised up, the poor who become rich. In this FYS section, we'll explore how both familiar and lesser known fairy tales from the Brothers Grimm define "happily ever after" in relation to the good life. In reflecting on the enduring cultural, moral and spiritual resonance of these products of German Romanticism, we'll discuss the tales themselves, theoretical studies and essays on the fairy tale genre, and selected adaptations in popular media.

Freedom and the Good Life
Freedom is, quite obviously, a central feature of American life, and democratic life more generally. But the question of what it means to live as a free person has long occupied theologians, philosophers, and a wide range of other thinkers as well. This seminar will prod students into thinking more carefully about what it is we mean when we talk about "freedom" and the degree to which freedom matters for our lives as Christians and members of a distinct political community.

Emotions and the Good Life
Humans are created to be whole beings who experience a variety of emotions as they interact with the world around them. How does our understanding of emotions contribute to our understanding of well-being, including spiritual well-being, and vice versa? In this course, we will explore both psychological and theological understandings of emotions in human experience, including theories of emotion, the development of emotion and its regulation, the ways in which we understand emotional functioning to be healthy or maladaptive, and emotions in the Bible and in Christian thought. Through the exploration of these topics, we will seek together to better understand how our emotions can enable us to richly engage with our environments and with God and help us live "the good life."

How Do Our Memories Shape Our Understanding of the Good Life?
This course will examine how memory and autonoetic consciousness relate to human experience. We will discuss how our memories, and the way we think about our memories, contribute to our perception of the good life.

How Do We Think Well in Ways that Contribute to the Good Life in Christ?
We rarely spend time thinking about thinking, yet our thought patterns powerfully influence our perception of reality, often contributing to or detracting from human flourishing. This insight raises a central question, which we will tackle in this seminar: How do we think well in ways that contribute to the good life in Christ? To address this broader question, we will wrestle with four more specific questions: How does our mind process information, how do we think well in the midst of polarized perspectives and constant distractions, how do we think well despite the cognitive biases we all face, and how do we think well in light of the gospel message? To tackle these questions, we will look at interdisciplinary research and writings from cognitive, moral, and political psychology, philosophy, and theology.

What is the Role of Christian Fasting in Whole Person Spirituality, and How Does that Shape Our Understanding of the Good Life?
When believers think about fasting, the tendency is to view it as a difficult ancient practice that should be avoided or practiced only in painful moments. It turns out, however, that in addition to its spiritual benefits, over seventy years of biomedical studies suggest that fasting is good for the whole person. From anti-cancer, anti-diabetic, to memory and mood improvements, scientific literature documents potential health benefits of fasting. The good life isn’t always about possessions and acquisitions, after all, Jesus cautioned that “life does not consist in an abundance of possessions” (Luke 12:15). Sometimes, as in the case of fasting, the good life is enhanced by Christian practices that teach restraint and self-discipline in order to consecrate oneself to God. Accordingly, selected theme will not only highlight health benefits of fasting, but will introduce students to the broader place of Christian fasting in whole person Christianity.

How Does Memory Relate to the Good Life?
Students will consider the ways in which individuals recall and retell their personal stories, and the ways in which they understand themselves as part of a community with a collective identity built on a version of shared memory. Students will be challenged to consider how the past is represented in the required texts, especially Confessions and Silence. Then during the final weeks of the class, we will turn to contemporary Spain as a case study. Students will explore the perpetual controversies surrounding cultural memory of the Spanish Civil War (1936-1939) and Franco dictatorship (1939-1975) as depicted in a few literary and film examples, and how portrayal of the past continues to impact Spaniards’ understanding of their identity. Students will draw connections to their own personal, cultural, and spiritual memory and identity, and articulate how the “Good Life” can be built on a proper view of the past.
What Does it Mean to Convert?
The philosophical tradition has a long standing interest in the problem of conversion. Why do people convert? What happens to a person when conversion occurs? Is there any continuity between the person who exists pre- and post-conversion? This set of questions complements the FYS's more general interest in "the good life" by raising the issue of how we come to value what we value. After visiting a range of classical and modern responses, the course ends with two works by philosopher-theologian Søren Kierkegaard: "Philosophical Fragments" and "Fear and Trembling." In these texts we receive both a powerful theological challenge to the traditional narrative of conversion and a model for how we should relate to our values in light of the fact that they are - in some strong sense - a product of grace.

Why Do We Write and Read Stories?
This enduring question will provide an entrée for students into considering the role that the arts (particularly literature) play in their moral, intellectual, and spiritual development. Through works ranging from Aristotle's "Poetics" to Dorothy Sayers "The Mind of the Maker," students will be asked to consider why human beings have been created to be mimetic creatures, and to ponder what we get out of our continual exposure to fictional representations of our lives here.

Courses

Core Studies Courses

See CORE 101 sections (p. 103) for descriptions of the last 4 weeks of the semester and the instructor's 1/3 specialized content. CORE 101 is a prerequisite to any CORE 300 AIS course.

CORE 101. First Year Seminar: Enduring Questions. (4 Credits)
This course introduces students to practices of integrative thinking by engaging challenging, theologically significant enduring questions in a seminar-style course organized around a theme tied to the faculty member's specialty. The course will have three interrelated components: foundations for addressing the value and purpose of liberal arts education, focused study of the abiding liberal arts question "What is the good life?", and exploration of a related perennial question chosen by the instructor. All components of each seminar will emphasize integrative intellectual practice and model the integration of faith and learning in the liberal arts context. Please note these descriptions are for the last 4 weeks of the course and do not describe the focus for 2/3 of the semester and the first 12 weeks of the course.

CORE 101. AIS: Human Trafficking: Causes, Consequences and Responses. (4 Credits)
This course examines the causes and consequences of human trafficking from diverse disciplinary perspectives, including political science, economics, history, theology and psychology. The course covers the definitions and historical development of sex and labor trafficking and critically reflects on diverse efforts to reduce trafficking in human beings, including Christian responses to slavery over time.

General Education: SHAR

CORE 302. AIS: Political Science Fiction. (4 Credits)
This course takes up important works of science fiction to engage on important themes in moral and political theory and the interrelation of philosophical reflection, imaginative literature, and theological commitment.

Tags: LE
General Education: SHAR

CORE 303. AIS: Making the Modern Middle East. (4 Credits)
This course introduces the modern Middle East drawing upon a variety of disciplinary perspectives including history, post-colonial theory, and religious studies. The historical and geographical scope of the course will be from the final decades of the Ottoman Empire to the formation of modern Iraq, Iran, Turkey, Lebanon, Syria, Egypt, Saudi Arabia, Jordan, Palestine, and Israel. Special attention will be given to the cultural impact of imperialism and contemporary political and social trends in the region. Other course themes include European and American involvement in the Middle East, the growth of Islamic reform movements and Arab nationalism, Zionism, competing visions of womanhood in Islam and Judaism, religious fundamentalism (Christian, Islamic, and Jewish), and the history leading up to the Arab Spring. Our goal will be to understand how we as Christians can respectfully engage the Middle East in cultural encounters, whether through foreign policy, cultural productions, travel, humanitarian work, academics, missions, and so much more. (cannot satisfy HP secondary tag in transition gen ed).

Tags: GP, HP
General Education: SHAR

CORE 304. AIS: Christian Environmental Stewardship. (4 Credits)
Students will examine the biblical mandate for creation care and develop a personal response to the call for stewardship of land and creature. This course will provide students with a basic understanding of ecosystem biology and provide the framework for which students can understand the need for resources and the impact of resource extraction on human health, while providing a biblical and theological lens for developing an appropriate response.

Tags: SIP
General Education: SHAR

CORE 305. AIS: Spiritual Formation in Young Adulthood. (4 Credits)
Explores the development of faith during the years of emerging adulthood (18-29), focusing on the connections between Christian spiritual formation and the psychological and sociological dimensions of this life stage. Emphasizes the formation of faith within the context of emerging adult identity, worldview, vocation, morality, sexuality, and church participation.

Tags: SI
General Education: SHAR

CORE 306. AIS: Drugs, Society, and Religion. (4 Credits)
This course examines the psychological effects and neurobiological mechanisms of action of psychoactive drugs. Drugs are used in the treatment of psychopathological disorders, recreational substances of abuse, and in some cultures for religious rituals. This course is designed to provide undergraduate students interested in the mechanisms of action of drugs on the brain, how they are understood in different societies, and how they have historically been used for recreational and religious purposes.

Tags: SIP
General Education: SHAR
CORE 307. AIS: Cosmology. (4 Credits)
Cosmology refers to the scientific study of the large scale properties and history of the physical universe as a whole. Utilizing the methods of science, it seeks to understand the origin, evolution and ultimate fate of the universe. Cosmology also refers to philosophical inquiry into the history and general structure of the universe, especially with respect to questions of origin, fundamental elements, causality, laws and agency. Drawing upon these disciplines, this course aims toward formulating a fully informed, deeply integrated understanding of the world in which we live, move, and have our being. (cannot satisfy PI secondary tag in transition gen ed).
Tags: PI, SIP
General Education: SHAR

CORE 308. AIS: Engaging Arts in the City. (4 Credits)
A multi-arts experience and analysis course in Chicago (or other city) comprised of a series of site visits to art events/performances/or organizations chosen for their embodied, authentic responses to life. Site visits may include professional or educational productions that have musical, theatrical, dance, visual arts, or any kind of collaborative arts focus. Through seminar presentations, discussions, and final projects, students will learn how to decode what inspires an artwork’s creation, and how to listen and respond to cultural and art modality otherness.
Tags: VPA
General Education: SHAR

CORE 309. AIS: Native Jesus: The Art & Literature of Native America. (4 Credits)
This course examines art and literature of Native North American communities, both ancient and modern, with a view to how such communities relate to the Christian tradition. How is Christianity rejected, appropriated, or transformed through Native American literature and art? What has Cahokia to do with Jerusalem? Following a historical overview, the course is organized geographically, covering all the major areas of native culture on this continent (South, East, West, & North) culminating with our own region of the Midwest. Native artistic responses to modernity are also considered. Multiple area site-visits and meetings with Native Americans will enhance student investigations. (cannot satisfy LE secondary tag in transition gen ed).
Tags: LE, VPAV
General Education: SHAR

CORE 310. AIS: The Good in the Great Plagues. (4 Credits)
An interdisciplinary consideration of major infectious disease epidemics throughout history. This course is a survey and analysis of the impact of epidemic diseases and their potential beneficial outcomes. The diseases discussed will include leprosy, several pandemics of plague, tuberculosis and AIDS, among others. The biological basis for the diseases will be presented along with the historical and social context for each. An emphasis will be placed on the intersection of scientific and theological perspectives on the impact that major infectious diseases have had.
Tags: SIP
General Education: SHAR

CORE 311. AIS: Native Chicago: American Indians in the Midwest. (4 Credits)
This course examines Native American communities from diverse disciplinary perspectives including anthropology, history, political science, and theology. Students will study the culture, social structures, and history of indigenous peoples in the Great Lakes Region from the development of human societies in North America to the twentieth century. Topics include: Early Indigenous Communities, Cross-Cultural Contact with Diverse Ethnic and Racial Communities, Native Responses to Christianity, Conflict and Collaboration in Colonial America, Indian Removal and Resistance, and Contemporary Issues such as Treaty Rights, Gaming, Cultural Preservation, and Education.
Tags: DUS, SI
General Education: SHAR

CORE 312. AIS: Sport, Faith, and Social Change. (4 Credits)
Sport and athletes have often been agents of social change, at times challenging norms and assumptions concerning identity, personhood, gender, race, and sexuality. In this class, we will examine how sport and moments in sport history has served as a public stage to perform dramas of social change leading to larger movement activities that impacted culture. Students will apply theories and explore research of mediated sports events to understand their impact and gain perspectives on how sports may be exploited to enact social change. This class will examine sport in three dimensions: as an artifact of our society and mediated history; as an arena where social, cultural, and political issues are contested; and as a vehicle for spiritual reflection and growth. We will examine how we can encounter the Holy in the midst of sports and its impact on developing a critical assessment of one’s values.
Tags: SI
General Education: SHAR

CORE 313. AIS: Economy & Society. (4 Credits)
Economic sociology has sought to understand the beliefs, norms and institutions that shape and drive the global economy. Markets, organizations, and individual economic actors cannot be understood outside of their social and cultural context. In interacting with texts primarily by sociologists and economists, in addition to historians, anthropologists, and political scientists, this class aims to use a broader social scientific approach to understand the relationship between economy and society, and the ways in which social networks, norms and institutions matter in economic transactions.
Tags: SI
General Education: SHAR

CORE 314. AIS: Social Network Analysis. (4 Credits)
This advanced integrative seminar is designed to give students the basic tools to ascertain if particular missionaries, based on their primary documents, were engaged in a “holistic” Gospel or one that conflated non-spiritual enterprises. Basic Greek tools, historical methodologies, and social network analysis (NodeXL) will be utilized in this course.
Tags: SI
General Education: SHAR
CORE 316. AIS: Sport Psychology. (4 Credits)
A survey of the theory, research, and applications of psychology pertaining to sports. This course will prepare students to: 1) discuss and understand the psychological factors that influence involvement and performance in sports, 2) apply psychological research and theories to one's own sports involvement as a participant (e.g., teacher, coach, athlete, etc.). The course will examine psychological variables that can hinder or enhance athletic performance, which may include attention, arousal, motivation, relationships, mental imagery, gender and diversity issues, eating disorders, and substance abuse. PSYC 101 suggested.
Tags: SI
General Education: SHAR

CORE 317. AIS: Media Revolutions from Gutenberg to Google. (4 Credits)
From Gutenberg to Google, communication technologies have changed how people work, live, think, interact, and collaborate. They have bound humans together in unprecedented ways, opening up new individual possibilities but also unleashing disruptive collective energies. Together we will explore how “new media” - from the first printed books of the fifteenth century to the networked computing devices of the twenty-first century - have shaped the modern world. This is an interdisciplinary course. We will learn about theories and methods different disciplines use to study the media and will develop critical tools for understanding our own ongoing digital and information revolution.
Tags: HP, SI
General Education: SHAR

CORE 318. AIS: Faith, Reason, and Politics in Islam. (4 Credits)
This course examines the development of Islamic political philosophy from its origins under Muhammed in the seventh century through to its central role in modern day politics throughout the world.
Tags: GP, PI
General Education: SHAR

CORE 319. AIS: Epic and Philosophy: From Achilles to Ahab. (4 Credits)
Students will engage with two monumental literary texts—the Iliad and Moby Dick—by using the tools of both the disciplines of literature and philosophy. Students will also read selections from the western philosophical canon (thinkers like Plato, Aristotle, Nietzsche, Camus, Kierkegaard, and MacIntyre) that will be placed in conversation with these literary texts. These readings, and the discussions that accompany them, will center around certain perennial questions, especially those having to do with ethics and the good life: e.g., what (and who) is good and just and how do we know? Through a series of writing assignments that require the close-reading of literature and analysis of philosophical arguments, students will compare and examine their own understanding of these perennial questions from the perspective of their own faith. Finally, they will write a term paper that synthesizes their learning from both sorts of readings and that requires them to do further research.
Tags: LE, PI
General Education: SHAR

CORE 321. AIS: ‘Holla If Ya Hear Me’: Engaging Hip-Hop Culture. (4 Credits)
On August 11, 1973, a Jamaican-American named Clive Campbell hosted a house party at 1520 Sedgwick Avenue in the Bronx with little more than a couple of turntables and amplifiers. Music and cultural historians often regard Campbell’s party as the founding event for what has come to be known as hip-hop. Almost fifty years later, hip-hop thrives as one of the most popular, yet controversial, forms of cultural expression in contemporary society with footholds in music, fashion, art, business, activism, and politics around the globe. From an interdisciplinary perspective, this course will examine the origins, themes, and social impact of rap music as an outgrowth of hip-hop culture. This course will prepare students to critically engage and evaluate popular forms of cultural expression with academic rigor and biblical principles.
Tags: DUS, VPAM
General Education: SHAR

CORE 322. AIS: What is Money Good For? - A Comparative Global Investigation. (4 Credits)
What is money good for? Why do some people have so much and others so little? Can a person deserve prosperity? How should we spend our money? How do our purchases shape who we are? Why should we give, and how? If you wrestle with these questions, you are not alone. People across the world find ways to answer these questions, and their diverse answers are likely to surprise, confound, convict, and also inspire us. In this course we consider a wide spectrum of responses to moral questions about money from the United States and around the world. We read works by Christians, anthropologists, and other theorists in order to craft more nuanced Christian responses to these questions. Along the way, we gain perspectives on cultural diversity and the causes of economic inequalities both within the United States and around the world.
Tags: DUS, GP
General Education: SHAR

CORE 323. AIS: Humanitarian Disasters and Recovery. (4 Credits)
Exploration of scientific and social understanding of humanitarian disasters including the causes of natural and human-caused disasters, approaches to prediction and mitigation, impacts on communities and societies, approaches to recovery and care, resilience, theological implications and the role of faith-based responders.
Tags: SI, SIP
General Education: SHAR

CORE 324. AIS: Black Bodies in Literature and Theology. (4 Credits)
Literature and theology are disciplines uniquely equipped to help us learn about and respond to the viscerality of race and racism in the United States. They help us engage the difficult stories of embodied people—people created in the image of God and redeemed by a savior who made the particulars of the visceral body his own. Through reading and discussion of contemporary African American literature and theology, we will acknowledge and lament sin against black bodies and look for healing and redemption. This seminar will help students consider the ways their own embodied experience is implicated in the conversation about race and racism in the United States as well as to receive and respond to the experiences of others in the community of the love of the Trinity.
Tags: DUS, LE
General Education: SHAR
CORE 325. AIS: Nature, Environment, and Society. (4 Credits)
An interdisciplinary exploration of contemporary environmental issues and problems. The understanding of the natural world will support the analysis of the role of society in creating, perpetuating and addressing these challenges. The role of personal and cultural responsibility for stewarding the natural environment will be emphasized. Field and classroom investigations will focus on the Black Hills context. Course fee $50
Tags: SIP
General Education: SHAR

CORE 326. AIS: Classics of Christian Devotion. (4 Credits)
This course examines the human longing for a relationship with God. Competing with this deep desire is the complexity of external and internal barriers. The best of Christian writers have recognized that this yearning for God must integrate both the interpretative and affective dimensions of awareness. Built on the foundation of differing methods of interpretation, this course is structured around the literary genres of narrative, visionary discourse, hymns, prayers, sermons, letters, autobiography, aphorisms and novels that both inform and transform the cultivation of intimacy with God. These classic texts are from both the Roman Catholic and Protestant traditions. Since many contemporary Evangelicals are unfamiliar with their own spiritual heritage, this course compares and contrasts Evangelical spiritual texts with pre-eighteenth-century Roman Catholic and Protestant literature.
Tags: LE
General Education: SHAR

CORE 327. AIS: Propaganda and Image in Everyday Life. (4 Credits)
Propaganda techniques have saturated everyday life. By studying primary sources from ancient and modern authors, and applying the lessons of 20th century propaganda campaigns to today's public persuasion, students will critically engage distinctions between propaganda and ethical communication, between truth and image, and between the artificial and the real.
Tags: PI
General Education: SHAR

CORE 328. AIS: Mary, Mother of God. (4 Credits)
This course is a tour through twenty centuries of Christian perspectives on the Virgin Mary. Anchored in exegesis of Scripture, students evaluate church tradition as expressed through apocryphal, theological and devotional texts, with a special emphasis on visual art. Together we ask which aspects of the Marian tradition can be affirmed or celebrated, and which aspects should be criticized or rejected. Student projects examine historical theology, visual art and feminist concerns with an eye toward how the Marian tradition can enrich our church.
Tags: HP VPAV
General Education: SHAR

CORE 329. AIS: Neurobiology and Spiritual Formation. (4 Credits)
Engages students in considering the nexus between the anatomy and physiology of the brain and the spiritual formation of human persons from a Christian worldview. Students will be required to examine how each of these disciplines informs the other, to learn a variety of epistemologies from different disciplines and apply them to this area, to intelligently critique research and applications, and to integrate neurobiological research with spiritual practices and formation of human persons.
Tags: SIP
General Education: SHAR

CORE 331. AIS: Ugaritic Language and Literature. (4 Credits)
This course is intended to introduce students to the language, history, and literature from the ancient 'city-state' of Ugarit. Language competency in Hebrew recommended.
Tags: HP LE
General Education: SHAR

CORE 332. AIS: Women Writing Theology. (4 Credits)
This course explores works of literary and theological merit by women investigating ideas about God, the self, and society. Drawing on writings of women from different eras, cultures, and backgrounds, the course encourages students to dialogue with fiction and non-fiction writings, including novels, poetry, life writings, and systematic theologies, by women to understand better how women have communicated theological ideas through a wide range of literary and theological forms.
Tags: LE
General Education: SHAR

CORE 333. AIS: Country Behind the Curtain: Public Institutions & Private Life in the German Democratic Rep. (4 Credits)
During its 40-year history, the German Democratic Republic (GDR), aka East Germany, was divided from its western counterpart by ideologies, alliances and institutions - and, after 1961, by a fortifies border that came to symbolize the Cold War. Through interaction with post-1989 oral histories, prose and poetry from East German authors, and pre- and post-unification films, students in this AIS will explore the fundamental paradoxes between public institutions and private life in the GDR, wrestling with the central irony that private convictions and aspirations became a key factor in its dissolution.
Tags: HP LE
General Education: SHAR

CORE 334. AIS: Race, Theology, and Place in Chicago. (4 Credits)
A theological investigation into Christianity and racial segregation in Chicago. This course explores the importance of geographical location for racial reconciliation, developing a vision for church unity rooted in place.
Tags: DUS
General Education: SHAR

CORE 335. AIS: The Holocaust and Contemporary Jewish Experience. (4 Credits)
Written and oral analysis of depictions of the Holocaust in various national literary and cinematic media and of contemporary Jewish authors in German-speaking countries; exploration of issues facing contemporary Jews in German-speaking Europe. Includes research paper.
Tags: GP
General Education: SHAR

CORE 336. AIS: Energy for the Future. (4 Credits)
An examination of the science, history, and social impacts of energy generation and use in the U.S. and global contexts; Christian perspectives on personal and societal decision-making regarding future energy generation and use.
Tags: SIP
General Education: SHAR

CORE 337. AIS: Justice, Law and Society. (4 Credits)
This course investigates traditions of thought on the nature of justice and law in society. It introduces students to general theories of jurisprudence and explores histories of legal traditions that are rooted in the ancient worlds of the Near East, Greece, and Israel and how they have influenced and differ from modern American contexts.
Tags: HP PI
General Education: SHAR
CORE 338. AIS: The Physics of Sound. (4 Credits)
Basic concepts of sound and acoustics, including the following: vibrations, waves, instrument design, fundamentals and overtones, musical scales, harmony, noise, physical and physiological production, detection of sound waves, acoustical properties of materials and enclosures. Discussion and investigation of sound in the human context of psychology, physiology, neuroscience, and aesthetics, as well as how some areas of investigation of sound, such as human perception, are yet to be fully understood.
Tags: SP
General Education: SHAR

CORE 339. AIS: Remembering Africa's Oral Past. (4 Credits)
This course equips students to both appreciate and analyze how intergenerational communities on the African continent have preserved knowledge of their pasts through sophisticated and emotive musical traditions. The course's focus on musical and other oral sources empowers students to access the historical knowledge of communities which chose to invest their intellectual energy in song and poetry rather than written text, while also equipping students to appreciate how beautiful and intellectually complex music and poetry flowed from the particular historical experiences of composers and performers in Africa.
Tags: HP; VPAM
General Education: SHAR

CORE 340. AIS: Remembering Africa's Oral Past. (4 Credits)
The overall goal of this course is to help students understand how stress can promote flourishing. Students will gain a deeper understanding of the basics of brain function and how the brain manages the response to stressors, how stressors affect several aspects of behavior, and how to protect the brain from the negative effects of stressors. In addition, two underlying themes will emerge throughout the course, including a discussion on the nature of persons and the concept of both control and agency for the proper understanding of stress.
Tags: SIP
General Education: SHAR

CORE 341. AIS: Can Stress Promote Flourishing? The Effects of Stress on Brain and Behavior. (4 Credits)
This course examines Dante's Commedia as an "encyclopedia" poem, a term that the Dante scholar Giuseppe Mazzotta has used to characterize the poem's educational ambitions. This is a poem with a deep intellectual program; it takes on many of the great philosophical and theological questions of its own time, and ours, too. What is the nature of the soul? What is just punishment? What is the highest good? Yet it does this not within the context of a philosophical treatise but an imaginative journey through the regions of the afterlife, taken by the poet himself. Our aim in this course is to analyze the poem in all of its overlapping dimensions - as a great poem of ideas, as a spiritual evaluation and testimony (a confession?), as a travelogue that doubles as a series of philosophical dialogues, as a mosaic of unforgettable images.
Tags: LE, PI
General Education: SHAR

CORE 342. AIS: Dante's Commedia as Poetry, Philosophy, and Theology. (4 Credits)
An interdisciplinary consideration of philosophical thinking in the context of worldviews toward environmental issues and our relation to creation. The course will address historical and contemporary environmental issues in conjunction with values held in human-creation relationships historically and socially. Values held in Christian and non-Christian views and practices regarding the created world will be examined in light of the virtues that influence our awareness and responsive actions. Christian values and virtues in the context of Christian character will be considered relative to creation care. These considerations will cultivate academic and spiritual maturity by considering one's relationship to our Creator and creation. The course will also address theological underpinnings as they relate to the intersection of Christian faith and how one lives their life in light of a call to care for God's creation. BIOL 241 recommended.
Tags: PI, SIP
General Education: SHAR

CORE 343. AIS: Creation Care: Values and Virtues. (4 Credits)
An interdisciplinary approach to using a gender lens to understand the global patterns of health and disease. While focusing on gendered inequalities, students in this course will describe and analyze how ecology, social class, and race interact with gender and impact the global burden of disease. Students will also consider how our Christian call to love our neighbor impacts our response to the disparities seen in the global burden of disease.
Tags: GP; SIP
General Education: SHAR

CORE 344. AIS: Gender and Global Health. (4 Credits)
An overview of our most important natural resource - water. Topics include occurrence, chemistry, physiological requirement for water, effects upon past and present civilizations, surface and groundwater flow, global water supply, water pollution, water exploration and extraction. Lab fee $35. Prerequisite: Any SP course.
Tags: SIP
General Education: SHAR

CORE 345. AIS: Water, the Essential Resource. (4 Credits)
The course will address historical and contemporary environmental issues in conjunction with values held in human-creation relationships historically and socially. Values held in Christian and non-Christian views and practices regarding the created world will be examined in light of the virtues that influence our awareness and responsive actions. Christian values and virtues in the context of Christian character will be considered relative to creation care. These considerations will cultivate academic and spiritual maturity by considering one's relationship to our Creator and creation. The course will also address theological underpinnings as they relate to the intersection of Christian faith and how one lives their life in light of a call to care for God's creation. BIOL 241 recommended.
Tags: PI, SIP
General Education: SHAR

CORE 346. AIS: Diversity in American Theater. (4 Credits)
This course invites students to engage with questions regarding diversity in the United States through the lens of theater. By exploring various ways that American playwrights have grappled with diversity and by placing these plays within complex theological, historical, and literary contexts, students will be encouraged to reflect not only on patterns of injustice and inequality that they see represented but also on the unique power that drama has to help its audience to experience the world from someone else's perspective.
Tags: DUS, VPAT
General Education: SHAR
CORE 347. AIS: Technotexts: Media and Messages. (4 Credits)
This course examines the relationship between literary texts and the media through which they are conveyed. The course begins by considering the relationship between word and voice, our material being practices of oral storytelling and spoken word poetic performance. The second and longest unit of the semester examines the literary possibilities opened up by different forms of "the book" - including the illuminated manuscript, the printed book in the West, and the Torah scroll. The final unit examines how verbal artists are engaging with the digital technologies. Throughout the semester, participants will not only be consumers of media; they will also be makers: each unit will involve a "making" exercise in which we practice one of the techniques that we have been studying, including oral performance, letterpress printing, and digital storytelling.
Tags: LE, VPAV
General Education: SHAR

CORE 348. AIS: Wheaton College as an Institution. (4 Credits)
This course examines Wheaton College as an institution and an organization. This includes examining how the college developed over time and its organizational structure and logic. We will consider how social forces from American society, including religious movements and race, class, and gender, as well as internal decisions affected the College. The final project involves analysis of primary and secondary sources in the Special Collections, Buswell Library.
Tags: DUS, HP
General Education: SHAR

CORE 349. AIS: Babies: Prenatal Development, Birth, and the Newborn. (4 Credits)
In this course, we will draw from biological and psychological research to engage in an in-depth exploration of prenatal and newborn development. We will cover influences on prenatal development, changes to the mother and fetus throughout pregnancy and prenatal development, a variety of considerations around childbirth, physical development and functioning in the newborn, and the early parent-child bond. We will also explore childbirth practices around the world. Students will be encouraged to integrate a Christian perspective with a variety of other scientific and popular perspectives on pregnancy, birth, and babies.
Tags: SI
General Education: SHAR

CORE 351. AIS: Cults, Power, and Politics. (4 Credits)
This course examines how cults influence, and are influenced by, politics. We will discuss the structure of cults and the psychological/relational manipulation of cult members. The course will then shift toward how state regimes use cult personalities to further entrench their positions of power using examples from North Korea, China, and Russia. Additionally, we will discuss how religious cults have threatened political structures using examples from the Münster Rebellion, Branch Davidians, Peoples Temple, Scientology, and many others. Finally, students will evaluate warnings of cult behavior in religious and political structure as well as judge Christian practices of discernment and intervention.
Tags: GP
General Education: SHAR

CORE 352. AIS: Applying Cognitive Psychology to Educational Practice. (4 Credits)
An interdisciplinary seminar that examines how findings from cognitive psychology can be used to improve learning in educational settings. Specific cognitive processes such as working memory, long term memory, metacognition, and language processing will be discussed as will specific tasks in educational settings such as math and reading. This course will also emphasize theological perspectives on cognition, learning and teaching.
Tags: SI
General Education: SHAR

CORE 353. AIS: Biology and Politics. (4 Credits)
This course is an interdisciplinary consideration of the biological basis of political attitudes and behavior. It leverages concepts from genetics, neuroscience, endocrinology, physiology, and psychology to study political phenomenon, introduces students to key methodological techniques and research findings from the field of biology and politics, and challenges students to evaluate the biology and politics research agenda from a Christian perspective.
Tags: SI, SIP
General Education: SHAR
Education

Reflecting the College’s mission to benefit society worldwide, the goal of the Wheaton College Teacher Education Program is to prepare educators who teach and lead for human flourishing. The concept of educating for human flourishing has ancient roots, including a strong presence in the wisdom literature of the Hebrew Bible. It first appeared in a form directly applicable to the contemporary academy in the works of Plato and Aristotle, where this goal is compatible with Christian theology in recognizing that all individuals are created in the image and likeness of God, and therefore each human being has inherent value and the capacity to learn and grow.

Human flourishing is the ethical and purposeful realization of human attributes, in mind, body, and spirit, which fits a person, as Milton said, “to perform justly, skillfully, and magnanimously all the offices of public and private life.” The work of the Christian professional educator is to instill and develop the knowledge, skills, and intellectual and moral virtues which help to actualize this potential. In order to teach for human flourishing, Christian professional educators should have a broad background in the liberal arts, expertise in the subject matter, knowledge of the ways in which children and adolescents develop and learn best, knowledge of the optimal conditions to achieve the education good, and the skills, virtues and dispositions worthy of the profession. For those who are called to serve in our state’s, nation’s, and world’s public and private schools, this mission charges teacher candidates to devote their lives wholly to Christ by faithfully and intelligently teaching each of His children to the best of their abilities.

The Department of Education has chosen teaching and leading for human flourishing on which to base its teacher preparation program for its congruence with transcendent scriptural principles, its relationship to the liberal arts, and its inherently high and holistic expectations for each student. Implicit in this model are three distinct professional and dispositional components:

1. embodying justice
2. making reasoned and ethical decisions
3. acting in a Christ-like manner

Embodying Justice

Candidates are expected to demonstrate justice in the following areas:

- See students' competencies and capacities in a holistic manner
- Create a safe learning environment
- Hold all learners to high expectations
- Offer a rich and rigorous curriculum to all students
- Use evidence-based approaches and methods that reflect the research on diverse learners
- Build strong relationships with all students, parents and guardians

Making Ethical and Reasoned Decisions

Candidates will make ethical and reasoned decisions which:

- Empower independent student learning
- Reflect both the breadth and depth of the curriculum
- Emanate in part from assessment data
- Augment their instruction through a rich variety of resources, including appropriate technologies
- Increase students’ literacy skills in and through all areas of the curriculum
- Consider the local and global contexts

Acting in a Christ-like Manner

Candidates will demonstrate the following dispositions:

- (Professionalism) Demonstrate professional and ethical conduct with supervisors, students, colleagues and community
- (Collaboration) Foster collaborative relationships that enhance the teaching and learning experience
- (Scholarship) Demonstrate commitment to the acquisition of knowledge, skills, intellectual curiosity and moral development
- (Problem-solving) Adjust successfully to new circumstances, be flexible in nature, accommodate given the unforeseen, and persist through adversity
- (Initiative) Actively demonstrate the ability to foster extensions in learning and teaching
- (Leadership) Develop effective communication skills, thinking skills and creative expression

In addition to the above outcomes, the Department of Education fully supports the standards and principles promulgated by the Illinois State Board of Education (ISBE). The Department of Education at Wheaton College is currently accredited by the National Council for Accreditation of Education (NCATE). This accreditation covers Wheaton College’s initial teacher preparation programs. The Department of Education's teacher preparation program is also approved by the Illinois State Board of Education (ISBE). The most recent approval by NCATE was granted in 2014. The state of Illinois (ISBE) annually approves the Wheaton Teacher Education Program. Candidates may obtain licensure in the following areas:

- Elementary Education
- English/Language Arts
- French
- German
- Mathematics
- Music
- Science (designations in Biology, Chemistry, Earth and Space, and Physics)
- Social Science (designation in History)
- Spanish
Candidates planning to teach in grades 1-6 major in Elementary Education and are eligible for an Initial Elementary License. Candidates planning to teach in grades 9-12 must major in a subject area commonly taught in the public high schools to be eligible for an Initial Secondary License. Candidates desiring to teach music or a world language (German, French, or Spanish) major in one of these subjects and take courses and experiences to be eligible for an Initial Special License (K-12). Candidates interested in the middle grade levels can add this endorsement to either an elementary or a secondary license. See the section on middle grade endorsements.

To be admitted to the Wheaton Teacher Education Program (WheTEP), a candidate must have a minimum grade point average (GPA) of 2.5 in the major, in professional education courses, and cumulatively. The 2.5 GPA must be maintained throughout the program. All candidates seeking licensure must earn a grade of C- or better in all major, professional and endorsement subject courses counted toward entitlement. Candidates must submit a completed WheTEP application. An interview and a passing score on the Illinois Licensure Testing System Test of Academic Proficiency or waiver are required for WheTEP acceptance.

An application to student teach must be submitted by October 1 of the year prior to the college year during which they plan to student teach. Failure to submit an application to student teach by this date may result in a delay of one semester for student teaching. Evidence of a TB test is required prior to student teaching. Candidates may need to secure proof of a criminal background check through the district in which they will complete their student teaching. Candidates must complete their student teaching.

The Department of Education screens its candidates for appropriate teaching dispositions through three means:

1. observations and cooperating teacher ratings during clinical experiences
2. dispositional forms completed during foundation courses
3. a screening process which includes the WheTEP interview and review of documents from cooperating teachers, college supervisors, and course instructors

Formal votes to affirm appropriate dispositions are taken at two points (admission to WheTEP and admission to student teaching) during the candidate's preparation program. Additionally, a candidate's dispositions to teach are carefully monitored during the student teaching experience. A candidate may be denied admission to any phase of the program or be denied licensure if, in the judgment of the faculty members, he/she does not exhibit the appropriate dispositions to teach. For more information on the screening process, please see the department.

Transfer candidates should contact the Department of Education as soon as possible. No candidate will be admitted to WheTEP until he or she has been a full-time Wheaton College student for at least one semester and has completed at least one course in the Wheaton College Department of Education, accompanied by at least one practicum experience. Candidates are expected to complete all WheTEP requirements and take all 300- and 400-level education courses at Wheaton College.

Candidates pursuing elementary, secondary, or K-12 foreign language teacher licensure through Wheaton College complete the liberal arts Christ at the Core, general education requirements that apply to all students in the Bachelor of Arts and Bachelor of Science degree programs. It is essential that candidates follow these requirements carefully beginning with their freshman year. Candidates are encouraged to receive credit through department exams whenever possible. Due to the number of required hours and the sequencing of some courses, candidates seeking licensure may need to enroll for nine semesters. Credit through testing and/or enrollment in summer school may reduce the number of necessary semesters. (Note: The State of Illinois continues to review requirements; and, therefore, licensure requirements are subject to change.)

### Initial Special License (for Foreign Language and Music)

Initial Special License K-12 candidates must complete a program in an approved major field of specialization. Currently the majors approved for K-12 licensure by the State of Illinois are Foreign Language (French, German, or Spanish) and Music. For major requirements refer to the appropriate academic department section of this catalog.

#### The education courses required for Foreign Language Special License candidates (K-12) include:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 135</td>
<td>School &amp; Society</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 136</td>
<td>Teaching Ethnically and Linguistically Diverse Students (and EDUC 136L)</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 225</td>
<td>Learning and Development: The Psychological and Developmental Contexts of Education (and EDUC 225L)</td>
<td>4</td>
</tr>
<tr>
<td>EDUC 305</td>
<td>Learning Differences (and EDUC 305L)</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 306</td>
<td>Classroom Communication &amp; Curriculum Integration</td>
<td>4</td>
</tr>
<tr>
<td>EDUC 324L</td>
<td>Methods Practicum—Middle and High School</td>
<td>1</td>
</tr>
<tr>
<td>EDUC 494</td>
<td>Senior Seminar</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 496</td>
<td>Student Teaching</td>
<td>9</td>
</tr>
<tr>
<td>EDUC 497</td>
<td>Philosophical Foundations of Education</td>
<td>3</td>
</tr>
</tbody>
</table>

A minimum of 100 hours of clinical experiences is required prior to student teaching. This includes four required experiences: EDUC 136L, 225L, 305L, and 324L; EDUC 405L or other experiences approved by the Department of Education may also count toward the 100 hours.

#### The education courses required for the Music Special License candidates (K-12) include:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 135</td>
<td>School &amp; Society</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 136</td>
<td>Teaching Ethnically and Linguistically Diverse Students</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 225</td>
<td>Learning and Development: The Psychological and Developmental Contexts of Education (and EDUC 225L)</td>
<td>4</td>
</tr>
<tr>
<td>EDUC 305</td>
<td>Learning Differences (and EDUC 305L)</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 494</td>
<td>Senior Seminar</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 496</td>
<td>Student Teaching</td>
<td>9</td>
</tr>
<tr>
<td>EDUC 497</td>
<td>Philosophical Foundations of Education</td>
<td>3</td>
</tr>
</tbody>
</table>

Candidates should follow the B.M.E. guidelines for completion of additional clinical experiences.
Semester hours counted for the purpose of meeting the general education requirements may also be counted for the licensure major field of specialization, as long as the course for the grade is C- or higher.

In order to complete licensure, candidates must also take and pass the Illinois Test of Academic Proficiency (or receive a waiver), the content-area test for their major field of specialization, and pass the Teacher Performance Assessment (edTPA) for grades K-12.

**ESL and Bilingual Endorsements**

To earn an ESL or Bilingual Education endorsement from the Illinois State Board of Education, a teacher must:

1. hold a valid Illinois teaching license
2. have ESL or bilingual clinical experience totaling 100 clock hours with ESL students
3. have earned credits totaling 18 semester hours in five course areas:
   a. Linguistics
   b. Theoretical Foundations of Teaching ESL
   c. Assessment of the Bilingual Student
   d. Methods and Materials for Teaching ESL
   e. Cross-Cultural Studies for Teaching LEP Students

Undergraduate students must take the following classes in order to apply for the ESL endorsement:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LING 222</td>
<td>English Grammar for Teachers</td>
<td>2</td>
</tr>
<tr>
<td>LING 224</td>
<td>Theoretical Foundations of Language Acquisition</td>
<td>4</td>
</tr>
<tr>
<td>LING 227</td>
<td>Cross-Cultural Teaching and Learning</td>
<td>2</td>
</tr>
<tr>
<td>LING 321</td>
<td>Introduction to Linguistics</td>
<td>2</td>
</tr>
<tr>
<td>LING 325</td>
<td>Principles of Assessment for TESOL</td>
<td>2</td>
</tr>
<tr>
<td>LING 326</td>
<td>English Language Methods for Content Area Teachers</td>
<td>2</td>
</tr>
<tr>
<td>LING 328</td>
<td>English Language Learning Methods for Specialists</td>
<td>2</td>
</tr>
<tr>
<td>LING 328L</td>
<td>ELL Practicum</td>
<td>1</td>
</tr>
<tr>
<td>LING 329</td>
<td>Curriculum and Materials Development for English Language Learning</td>
<td>2</td>
</tr>
</tbody>
</table>

**Bilingual Endorsement**

Take the same ESL endorsement LING courses as well as:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LING 323</td>
<td>Bilingual Methods/Materials (and LING 323L)</td>
<td>2</td>
</tr>
</tbody>
</table>

Linguistics courses for the ESL and Bilingual education endorsements are offered by Applied Linguistics and International Education.

**Special Education Endorsement**

Candidates seeking a special education concentration, leading to an Illinois Learning Behavior Specialist I Endorsement, must take the following classes and pass the Illinois Learning Behavior Specialist I Content Exam:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 308</td>
<td>Survey of Exceptional Children</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 328</td>
<td>Cross-Categorical Characteristics (and EDUC 328L)</td>
<td>4</td>
</tr>
</tbody>
</table>

**Faculty**

Chair, Associate Professor Paul Egeland
Professor Jillian Lederhouse
Associate Professors IL-Hee Kim, Sally Morrison
Associate Professor of Education and Associate Professor of Philosophy (by courtesy) Mark Jonas
Ann Haskins Assistant Professor of Special Education Thomas Boehm
Visiting Instructor Sara Vroom Fick

**Programs**

- Elementary Education Major (p. 119)
- Secondary Education Major (p. 120)

**Courses**

**Education Courses**

**EDUC 135. School & Society. (2 Credits)**

Introductory course to provide a broad exposure to the foundations of education in the United States through history, many aspects of culture and society, theoretical concepts, current issues, and their educational implications. Explores these topics through the lenses of the Education Department conceptual framework, Teaching and Leading for Human Flourishing, which includes embodying justice, making ethical and reasoned decisions, and acting in a Christ-like manner.

**EDUC 136. Teaching Ethnically and Linguistically Diverse Students. (2 Credits)**

The theoretical and pedagogical background necessary to provide culturally and linguistically responsive learning experiences for a diverse student population. The course includes the English Language Development (ELD) Standards and English Language Proficiency (ELP) Standards of the World-Class Instructional Design and Assessment professional organization (WIDA). Co-requisite: EDUC 136L. B quad
EDUC 324L. Cross-cultural Tutoring. (1 Credit)
A tutoring experience with students from cultural and linguistic settings different from that of the college student's background. Most of the assignments are arranged through the Christian Service Council. Concurrent with EDUC 136. Graded pass/fail.

EDUC 201. U.S. Education Policy: Problems and Possibilities. (4 Credits)
This course has three primary purposes: 1) introduce today's major education policy issues in historical, social, and cultural contexts; 2) investigate the ways U.S. education policy questions are addressed at federal, state, and local levels with comparative analysis to other countries; and 3) develop oral and written skills in generating and recommending appropriate policy options and solutions as a Christian seeking to influence schools, society, and human flourishing. Topics include: comparative analysis of policy; executive, judicial, and legislative policy actions, motivation, and history; equity, standards, and accountability reforms; teachers and instructional quality; and access affordability, and persistence.

Tags: DUS, SI

EDUC 225. Learning and Development: The Psychological and Developmental Contexts of Education. (4 Credits)
Overview of the major theories, concepts, issues, data, and research methodologies used in understanding how children from birth through adolescence learn and grow. Various theories of learning are examined and the impact of typical growth stages on learning is assessed. Not open to freshmen without consent of instructor. Corequisite EDUC 225L or EDUCS21L.

EDUC 225L. Teacher Aiding Practicum. (1 Credit)
Thirty hours of field-based work observing and assisting a licensed teacher aiding experience in a local elementary, middle or high school and preparing a lesson to teach students in this context during the semester. Concurrent with EDUC 225. Graded pass/fail.

EDUC 305. Learning Differences. (2 Credits)
The theoretical and pedagogical background necessary to meet the requirements of the Individuals with Disabilities Education Act (I.D.E.A.) and its amendments, as well as the Elementary and Secondary Education Act, including Response to Intervention (R.T.I.). It includes instruction in the psychology of children and adolescents with exceptionalities with emphases on students who are gifted, who have learning disabilities, and English language learners. It emphasizes identification of learning needs, individualization of educational programs, differentiation of instruction, and utilization of available services. Prerequisites: EDUC 135, 136; Pre or co-requisites EDUC 225 and EDUC 225L, or Department approval.

EDUC 305L. Learning Differences Practicum. (1 Credit)
The candidate will observe and work with students with special needs in a school or recreational setting for approximately 30 hours. Corequisite with content-specific methods practicum or permission of instructor, EDUC 311L or 324L or MUMS 471L or 472L. Graded pass/fail.

EDUC 306. Classroom Communication & Curriculum Integration. (4 Credits)
Covers the communication processes germane to the teaching profession, which include the development of techniques in speaking, writing, and reading skills. Includes methodologies for teaching reading and writing across the curriculum with particular emphasis in middle school curriculum, as well as theory and practice for interpersonal communications, listening skills, public speaking, and instructional strategies (lecturing, questioning techniques, group processes and dynamics). Concurrent with a methods of teaching course in the major, EDUC 324L, 305, and 305L. Prerequisites: EDUC 135, 136, 136L, 225, 225L, and admission to WheTEP.

EDUC 308. Survey of Exceptional Children. (2 Credits)
The cognitive, emotional, social, physical, and motivational characteristics and educational requirements of exceptional children, focusing on students in K-12 settings. Exceptionalities at both ends of the continuum are examined. Required for Illinois Learning Behavior Specialist I endorsement. Prerequisites: EDUC 135, 136, 136L, 225, 225L, 305.

EDUC 311. Theories and Methods of Teaching Elementary and Middle School Students. (2 Credits)
An introduction to general methods of teaching elementary and middle school students, including units on the nature and curriculum of elementary and middle schools, classroom management, lesson and unit planning, adapting instruction for individual differences, and assessment. Concurrent with EDUC 312, 311L, 315, 317, 305L, SSCI 321, SCI 322. Prerequisites: EDUC 135, 136, 136L, 225, 225L, 305, MATH 125, and admission to WheTEP. Field trip fee.

EDUC 311L. Methods Practicum for Elementary and Middle School. (1 Credit)
An opportunity to practice some of the concepts and skills acquired in methods courses. The elementary major works with a cooperating teacher over a several week period in the spring. Concurrent with appropriate methods courses. Prerequisites: EDUC 135, 136, 136L, 225, 225L, 305, MATH 125, and admission to WheTEP. Graded pass/fail. $50 course fee.

EDUC 312. Theories and Methods: Elementary and Middle School Reading. (4 Credits)
This course is designed to foster teacher candidates' understanding of the theoretical, pedagogical, and research-based applications of effective reading instruction. Enables candidates to develop competencies necessary to design and implement comprehensive reading programs which include evidence-based strategies that meet the developmental reading needs of K-8 students of diverse backgrounds. Concurrent with EDUC 311, 311L, 315, 317, 305L, SSCI 321, SCI 322. Prerequisites: EDUC 135, 136, 136L, 225, 225L, 305, MATH 125, and admission to WheTEP.

EDUC 315. Theories and Methods of Teaching Elementary and Middle School Mathematics. (4 Credits)
The content, techniques, and strategies in the teaching of mathematics in the elementary and middle grades. Emphasis on philosophy and concepts of mathematics instruction based on the curriculum, professional, and assessment standards of NCTM and the Illinois Professional Teaching Standards, and the Common Core State Standards. Concurrent with EDUC 312, 311, 311L, 315, SCI 321, SCI 322. Prerequisites: EDUC 135, 136, 136L, 225, 225L, 305, MATH 125, and admission to WheTEP.

EDUC 317. Theories and Methods of Teaching Elementary and Middle School Language Arts. (2 Credits)

EDUC 324L. Methods Practicum—Middle and High School. (1 Credit)
An opportunity to practice some of the concepts and skills acquired in methods courses. The secondary education major works with a cooperating teacher for 30 hours in half-day units during the fall or spring. Completed the semester prior to student teaching. Prerequisites: EDUC 135, 136, 136L, 225, 225L, and admission to WheTEP. Graded pass/fail. Course fee $50.
EDUC 328. Cross-Categorical Characteristics. (4 Credits)

EDUC 328L. Special Education Practicum A (LBS 1). (1 Credit)

EDUC 338. Methods of Teaching Cross-Categorical Special Education. (4 Credits)
The planning, instruction, and assessment required for students with individual educational plans, consistent with federal and state requirements relating to such practices as inclusion and response to intervention. Required for Illinois Learning Behavior Specialist I endorsement. Prerequisites: EDUC 135, 136, 136L, 225, 225L, 305, 308, 328, and 328L.

EDUC 338L. Special Education Practicum A (LBS 1). (1 Credit)

EDUC 341. Topics in Education. (2 or 4 Credits)
Specific topics in education not normally included in the curriculum. Prerequisites: EDUC 135, 136, 136L, 225, 225L, or consent of instructor.

EDUC 348. Diagnosis and Assessment of Students with Disabilities. (4 Credits)
Study of the diagnostic assessments leading to eligibility for special education services as well as effective alternative and differentiated assessment strategies for students with disabilities. Required for Illinois Learning Behavior Specialist I endorsement. Prerequisites: EDUC 135, 136, 136L, 225, 225L, 305, 308, 328, 328L. Concurrent with EDUC 348. Graded pass/fail.

EDUC 405L. Middle Grade Practicum. (1 Credit)
An optional teacher-aiding experience in the middle grades for a full-time, five-day period when the College is not in session, usually completed during the winter or spring break. Pre-approved middle grade projects required. Graded pass/fail.

EDUC 494. Senior Seminar. (2 Credits)
This course will examine the complexities of the teaching profession within the context of student teaching. Candidates will examine their experiences within the framework of readings which will inform their methods of teaching and effective interaction with students. The course will also demonstrate how research can be done within the classroom as a means to answering some of the questions which arise from their student teaching experience. Taken during the student teaching semester. Course fee $300.

EDUC 495. Problems in Education. (1 to 4 Credits)
Problems in Education. Individual work with periodic conferences for candidates who have demonstrated ability and have definite interest in problems in a restricted field.

EDUC 496. Student Teaching. (9 Credits)
This is an internship experience where candidates apply teaching principles in local schools and classrooms under supervision. Usually student teaching is done within a 15-mile radius of the campus. Candidates complete their student teaching in their major teaching areas. Concurrent with EDUC 497, 498.

EDUC 497. Philosophical Foundations of Education. (3 Credits)
This course examines the philosophical foundations of education with an emphasis on a comparison of philosophical ideas in education and on the development of a personal philosophy of education related to one's calling and vocation. Prerequisites: EDUC 135, 136, 225, 225L, and admission to WheTEP. Concurrent with EDUC 494, 496. Course fee approximately $250.

EDUC 498. Literacy Assessment. (2 Credits)
This course is designed to explore specific problems in the teaching of the language arts beyond those covered in EDUC 312. It deals with diagnosis and recommendations for providing supportive contexts for individual differences. Prerequisites: EDUC 135, 136, 136L, 225, 225L, 312 (or equivalent), and admission to WheTEP or consent of instructor.

Elementary Education Major

Elementary candidates are responsible for content knowledge in physical, life, and earth and space sciences as well as history, geography, civics and government, and economics in the social sciences. Candidates are advised to enroll in general education courses accordingly.

24 semester hours in the subject matter area of major teaching assignment (e.g., language arts, mathematics, general science, social science, music, etc.), which may include specific course designations in the content area, and does include the appropriate 2-hour middle school discipline-specific methods course and passing a state middle level content specific exam. Contact the Education Department for the specific middle grade endorsement requirements for English, Mathematics, Science, and Social Science.

In order to complete licensure, candidates must also take and pass the Illinois Test of Academic Proficiency (or receive a waiver), the Elementary/Middle Grades content area test, and pass the Teacher Performance Assessment (edTPA).

Student Teaching Prerequisites:
EDUC 496 Student Teaching (9 c.h.)
Prerequisites for elementary student teaching: EDUC 135, 1 (p. 136), 136L, 225, 225L, 305, 305L, 311, 311L, 312, 315 (p. 317), 317 (p. 317), MATH 125, SSCI 321, SCI 322, a minimum GPA of 2.5 in the major/professional education courses, and cumulatively, admission to WheTEP, a passing score on the Illinois Licensure Testing System Elementary content-area knowledge test, clearance through completion of a fingerprint and criminal background check (at the candidate's expense), and the recommendation of the department.

• Prerequisites for secondary and special foreign language student teaching: EDUC 135, 136L, 136L, 225, 225L, 305, 305L, a teaching methods course in the major, EDUC 324L, a minimum GPA of 2.5 in the major, in professional education courses, and cumulatively, admission to WheTEP, a passing score on the Illinois Licensure Testing System content-area test, clearance through completion of a fingerprint and criminal background check (at the candidate's expense), and a recommendation from the department of their teaching area.
- Prerequisites for special music student teaching: EDUC 135, 136, 225, 225L, music teaching methods studies, EDUC 305, 305L, a minimum GPA of 2.5 in the major, in professional education courses, and cumulatively, admission to WheTEP, a passing score on the Illinois Licensure Testing System content-area test, clearance through completion of a fingerprint and criminal background check (at the candidate's expense), and a recommendation from the Conservatory.
- Candidates are expected to take all 300- and 400-level education courses at Wheaton. Exceptions may be granted by the Department of Education. A candidate's teaching field is one in which s/he has sufficient hours to meet licensure requirements and for which s/he has obtained the recommendation of the Department. Candidates must have a major in a subject commonly taught in the public schools of Illinois.

**Requirements**

**Initial Elementary License**

For Elementary Education Students, Grades 1-6

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

**Requirements for the Elementary Education major** are 40 hours in education. Education courses include:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 135</td>
<td>School &amp; Society</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 136</td>
<td>Teaching Ethnically and Linguistically Diverse Students</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 225</td>
<td>Learning and Development: The Psychological and Developmental Contexts of Education (and EDUC 225L)</td>
<td>4</td>
</tr>
<tr>
<td>EDUC 305</td>
<td>Learning Differences (and EDUC 305L)</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 311</td>
<td>Theories and Methods of Teaching Elementary and Middle School Students (and EDUC 311L)</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 312</td>
<td>Theories and Methods: Elementary and Middle School Reading</td>
<td>4</td>
</tr>
<tr>
<td>EDUC 315</td>
<td>Theories and Methods of Teaching Elementary and Middle School Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>EDUC 317</td>
<td>Theories and Methods of Teaching Elementary and Middle School Language Arts</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 494</td>
<td>Senior Seminar</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 496</td>
<td>Student Teaching (see more info on overview tab)</td>
<td>9</td>
</tr>
<tr>
<td>EDUC 497</td>
<td>Philosophical Foundations of Education</td>
<td>3</td>
</tr>
<tr>
<td>MATH 125</td>
<td>Mathematics for Elementary and Middle Grade Education</td>
<td>4</td>
</tr>
<tr>
<td>SSCI 321</td>
<td>Elementary and Middle School Curricular Themes in the Social Sciences</td>
<td>2</td>
</tr>
<tr>
<td>SCI 322</td>
<td>Elementary Grade Education Science Curriculum</td>
<td>2</td>
</tr>
</tbody>
</table>

A minimum of 100 hours of clinical experiences is required prior to student teaching. This includes four required experiences: EDUC 136L, EDUC 225L, EDUC 305L and EDUC 311L. EDUC 405L or other experiences approved by the Department of Education may also count toward the 100 hours.

Elementary Education majors are strongly encouraged to complete a middle grade (grades 5-8) endorsement by enrolling in EDUC 405L. Candidates may earn additional endorsements for teaching in the middle grades (5-8) by completing the following requirements:

**Secondary Education Major**

Secondary Education candidates must complete a program in an approved major field of specialization. Currently, majors or areas approved for secondary education licensure by the State of Illinois are: English/Language Arts, Mathematics, Science (Biology, Chemistry, Earth and Space, or Physics designation), and Social Science (History designation). For major requirements refer to the appropriate academic department section of this catalog.

Semester hours counted for the purpose of meeting the general education requirements may also be counted for the licensure major field of specialization, as long as the grade for the course is a C- or higher.

Secondary Education candidates who do not complete EDUC 225L at a middle school setting or student teach at the middle school level must complete EDUC 405L in order to be eligible for middle school endorsement. Teacher candidates may earn additional endorsements for teaching in the middle grades by completing the following requirements:

- 24 semester hours in the subject matter area of major teaching assignment (e.g., language arts, mathematics, general science, social science, music, etc.), which may include specific course designations in the content area, and does include the appropriate 2-hour middle school discipline-specific methods course and passing a state middle level content specific exam. Contact the Education Department for the specific middle grade endorsement requirements for English, Mathematics, Science, and Social Science.

In order to complete licensure, candidates must also take and pass the Illinois Test of Academic Proficiency (or receive a waiver), the content-area test for their major field of specialization, and pass the Teacher Performance Assessment (edTPA).

**Student Teaching Prerequisites:**

EDUC 496 Student Teaching (9 c.h.)

Prerequisites for elementary student teaching: EDUC 135, 136, 136L, 225, 225L, 305, 305L, 311, 311L, 312, 315, MATH 125, SSCI 321, SCI 322, a minimum GPA of 2.5 in the major, professional education courses, and cumulatively, admission to WheTEP, a passing score on the Illinois Licensure Testing System Elementary content-area knowledge test, clearance through completion of a fingerprint and criminal background check (at the candidate's expense), and the recommendation of the department.

- Prerequisites for secondary and special foreign language student teaching: EDUC 135, 136, 136L, 225, 225L, 305, 305L, a teaching methods course in the major, EDUC 324L, a minimum GPA of 2.5 in the major, in professional education courses, and cumulatively, admission to WheTEP, a passing score on the Illinois Licensure Testing System content-area test, clearance through completion of a fingerprint and criminal background check (at the candidate's expense), and a recommendation from the department of their teaching area.

- Prerequisites for special music student teaching: EDUC 135, 136, 225, 225L, music teaching methods studies, EDUC 305, 305L, a minimum GPA of 2.5 in the major, in professional education courses, and cumulatively, admission to WheTEP, a passing score on the Illinois Licensure Testing System content-area test, clearance through completion of a fingerprint and criminal background check (at the candidate's expense), and a recommendation from the department of their teaching area.
Illinois Licensure Testing System content-area test, clearance through completion of a fingerprint and criminal background check (at the candidate's expense), and a recommendation from the Conservatory.

- Candidates are expected to take all 300- and 400-level education courses at Wheaton. Exceptions may be granted by the Department of Education. A candidate's teaching field is one in which s/he has sufficient hours to meet licensure requirements and for which s/he has obtained the recommendation of the Department. Candidates must have a major in a subject commonly taught in the public schools of Illinois.

Requirements

Initial Secondary License

For Secondary Education Students 6-12

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

The education courses required for Secondary Education candidates (6-12) include:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 135</td>
<td>School &amp; Society</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 136</td>
<td>Teaching Ethnically and Linguistically Diverse Students (and EDUC 136L)</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 225</td>
<td>Learning and Development: The Psychological and Developmental Contexts of Education (and EDUC 225L)</td>
<td>4</td>
</tr>
<tr>
<td>EDUC 305</td>
<td>Learning Differences (and EDUC 305L)</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 306</td>
<td>Classroom Communication &amp; Curriculum Integration</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Select one teaching methods course for Middle Grades</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select one teaching methods course for High School in the major</td>
<td></td>
</tr>
<tr>
<td>EDUC 324L</td>
<td>Methods Practicum—Middle and High School</td>
<td>1</td>
</tr>
<tr>
<td>EDUC 494</td>
<td>Senior Seminar</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 496</td>
<td>Student Teaching (see more info on overview tab)</td>
<td>9</td>
</tr>
<tr>
<td>EDUC 497</td>
<td>Philosophical Foundations of Education</td>
<td>3</td>
</tr>
</tbody>
</table>

A minimum of 100 hours of clinical experiences is required prior to student teaching. This includes four required experiences: EDUC 136L (p. ), 225L (p. ), 305L (p. ), and 324L (p. ); 405L (p. ) or other experiences approved by the Department of Education may also count toward the 100 hours.
Engineering and Physics

Our department serves physics and engineering majors and the general Wheaton student population by providing robust student-centered learning experiences that draw on the unique ways of knowing common to our discipline from a genuinely Christian liberal arts perspective. The study of matter, energy, and their interactions provides fertile ground for enhanced worship of the Creator and for collaborative theoretical, experimental, and computational learning and research among faculty and students in a strong and supportive community. Students grow in their love and worship of God by engaging with His good creation and preparing for lives of service to the church and society.

The department offers several tracks of study leading to a Bachelor of Science or Bachelor of Arts in Physics. A Dual Degree Engineering Program is also available leading to two degrees: a Bachelor of Arts or Science in Liberal Arts Engineering from Wheaton combined with a full Bachelor of Science degree from any other school that offers a fully ABET accredited program in the engineering discipline of interest. Detailed requirements and course offerings for both physics and engineering are summarized below.

Physics

The physics curriculum is organized to prepare a student for graduate work in physics or a related discipline as well as a range of other vocations that make use of the analytical and problem solving skills of a physicist.

- The Bachelor of Science in Physics track incorporates all of the necessary coursework to prepare a student for graduate work in physics.
- The Bachelor of Arts in Physics overlaps nearly completely with the Bachelor of Science track but allows the student more freedom to select from a set of upper level core courses. The BA degree is not appropriate for those going on to graduate work in physics but provides more flexibility for those who want to double major or study abroad and who plan to go on to professional schools such as law or medicine or go straight into the workplace after graduation.
- The Bachelor of Science with Secondary Education track prepares students for high school physics teaching.
- The Bachelor of Science in Applied Physics replaces some of the upper division physics requirements with required engineering coursework and is a good choice for those who plan to pursue engineering or a related field after graduation.

All physics majors are strongly encouraged to complete the PHYS 294 requirement in their first year.

The Departmental Honors Program is available to all physics majors who maintain a 3.70 GPA in the major, and an overall GPA of 3.50. Eight credit hours of designated honors coursework are required, four of which may consist of a modified major course, and four of which must be PHYS 499, resulting in the completion of a research thesis. Successful completion of the program will result in a Departmental Honors designation on the student’s transcript. Students must submit an application to the department at least one year prior to graduation to participate in the honors program. See the department for details.

Engineering Dual Degree Program

A five-year program is offered leading to two degrees, a Bachelor of Arts or Bachelor of Science degree in Liberal Arts Engineering from Wheaton and a Bachelor of Science degree in a specific engineering field from an ABET accredited engineering program at another institution. This arrangement allows students to complete degrees in a wide array of engineering disciplines. The student must meet the requirements of the school to which admission is sought. Special joint programs are in place with Illinois Tech and Northern Illinois University (NIU) but students may transfer to any ABET accredited engineering program at other institutions as well.

Several commonly required lower division engineering courses are offered by engineering faculty at Wheaton to prepare students for successful completion of engineering requirements at the engineering school in the final two years of the dual degree program. (See course information below.) Transfer of the Wheaton College engineering courses to meet requirements at engineering schools is likely but not guaranteed. Each student should verify that any courses taken at Wheaton will transfer successfully for the specific program and institution of interest.

The joint program arrangement with Illinois Tech allows students to take other engineering courses not offered at Wheaton during the first three years of the five year program. An agreement with the nearby College of DuPage (COD) also allows students to take selected engineering coursework there during the first 3 years. Students must complete appropriate coursework and register at both Wheaton College and either Illinois Tech or COD for the courses taught at these institutions. Illinois Tech courses will usually be taken at the Illinois Tech main campus in Chicago but some courses may be made available on internet upon request.

Approved course tracks for the full five years with Illinois Tech and NIU, as the partner schools, are available from the Department. Illinois Tech programs are available in aerospace, architectural, biomedical, chemical, civil, computer, electrical, and mechanical engineering. NIU programs are available in electrical, industrial and systems, and mechanical engineering.

Students completing their engineering coursework at a school in the vicinity of Wheaton College (e.g. Illinois Tech, Northern Illinois University, or University of Illinois - Chicago) during the last two years of the five year program, by virtue of their continuing in the Wheaton College dual degree program, may remain in Wheaton College housing and may continue to participate fully in extra-curricular activities at the College, including athletics.

See department for course plans, including additional ENGR and other courses that will satisfy requirements at the engineering school of choice. Students in the engineering program have modified Christ at the Core general education requirements. Students are only required to take one 4 hour Foreign Language course, they are not required to complete the Scientific Issues and Perspectives (SIP) theme, and they should choose 4 of the following 5 themes:

- Diversity in the United States (DUS),
- Global Perspectives (GP),
- Historical Perspectives (HP),
- Literary Explorations (LE),
- Philosophical Investigations (PI).

The remaining Christ at the Core requirements are the same as for all other majors. Some engineering schools will require additional coursework beyond the Wheaton requirements prior to transfer. Some schools may also require Christ at the Core Thematic courses to be taken from specific departments. Students should consult with their
advisor and the engineering school of interest to ensure courses taken at Wheaton will meet requirements at the engineering school. Up to eight hours of non-major courses at the engineering school may be transferred back to Wheaton to meet Wheaton requirements.

In all cases a transcript from the engineering school indicating that all engineering requirements have been met must be received by the Wheaton registrar before the Wheaton Liberal Arts Engineering degree will be conferred. Students who complete all Wheaton College course requirements by the end of their fourth year may participate in the commencement ceremonies of that year.

Faculty

Chair, Professor Darren Craig
Associate Professors Robert Bishop, Arend Jan Poelarends, Heather Whitney
Assistant Professors David Hsu, James Schroeder

Programs

- Physics, Bachelor of Science (p. 198)
- Physics, Bachelor of Arts (p. 198)
- Physics with Secondary Education, Bachelor of Science (p. 199)
- Physics: Applied Physics, Bachelor of Science (p. 199)
- Physics Minor (p. 200)
- Engineering, Dual Degree (p. 200)

Courses

Physics Courses

See the Financial Information (p. 464) section of this catalog for course fees.

PHYS 221. General Physics I. (4 Credits)
Newtonian mechanics, energy, waves, and heat. Non-calculus based. Four hours lecture, three hours laboratory. Prerequisite: Pre-calculus (algebra and trigonometry) competence. Not open to students with prior credit for PHYS 231 or 232.

Tags: SP

PHYS 222. General Physics II. (4 Credits)
Electromagnetism, optics, and modern physics. Non-calculus based. Four hours lecture, three hours laboratory. Prerequisite: PHYS 221. Not open to students with prior credit for PHYS 232 or 234.

PHYS 231. Introductory Physics I. (4 Credits)
Kinematics, Newtonian dynamics, conservation laws, and selected topics from oscillations, waves, fluids, and thermodynamics. Four hours lecture, three hours laboratory. Co or Prerequisite: MATH 231.

Tags: SP

PHYS 232. Introductory Physics II. (4 Credits)
Electromagnetism, optics, and selected topics from modern physics, waves, and thermodynamics. Four hours lecture, three hours laboratory. Prerequisite: PHYS 231. Co or Prerequisite: MATH 232

PHYS 294. Physics for the Future. (2 Credits)
The beginning of an exciting journey into the intricacies of our created world. Includes discussion of recent physics breakthroughs, exposure to research at Wheaton and at nearby national laboratories, discussion of vocational pathways, and thoughts on the relationship of physics to the liberal arts and the Christian faith. (lin)

PHYS 305. Dakota Skies: Astronomy and Atmospheric Science in the Black Hills. (4 Credits)
An introduction to the study of the weather and the universe. Topics include physical foundations for astronomy and atmospheric science, the evolution of stars, the structure and origin of the universe, the structure of the earth’s atmosphere, weather systems, weather analysis and forecasting. Special attention will be given to sound scientific practices, including systematic scientific investigations, critical evaluation of scientific claims and the ability to develop a sound scientific argument.

Tags: SP

PHYS 311. Introduction to Medical Physics. (2 Credits)
A survey of radiation therapy, nuclear medicine, diagnostic imaging, and health physics with discussion on ethical and stewardship concerns of these technologies. Prerequisites: PHYS 222 or 232.

PHYS 331. Spacetime and Quanta. (4 Credits)
Special Relativity, Quantum Mechanics, and selected topics from Atomic Physics, Statistical Physics, Nuclear Physics, Particle Physics, Solid State Physics, and Cosmology. Four hours lecture. Prerequisites: PHYS 232 and PHYS 334. Co or Prerequisites: MATH 245 and MATH 333.

PHYS 333. Thermal Physics & Fluids. (2 Credits)
An introduction to the thermodynamic principles of microstates, entropy, and heat engines as well as basic fluid mechanical concepts of buoyancy and fluid flow. Prerequisite: PHYS 232.

PHYS 334. Computer Modeling of Physical Systems. (2 Credits)
An introduction to computer methods for the analysis, modeling and simulation of physical systems and analysis of experimental data. Applications taken from mechanics, fluids, electricity and magnetism. Prerequisites: PHYS 231 and MATH 231. Pre or Corequisite: MATH 232.

PHYS 341. Analytical Mechanics. (4 Credits)
Particle and rigid body dynamics, central forces and gravitation, rotating systems and bodies, Lagrange and Hamilton formulations, generalized coordinates, and normal modes. Prerequisites: PHYS 334 and MATH 333. Pre or Co-requisite: MATH 245 and MATH 331.

PHYS 342. Electromagnetic Theory. (4 Credits)
Electrostatics, steady currents, linear materials, electromagnetic induction, Maxwell’s equations, and electromagnetic waves. Prerequisites: PHYS 334 and MATH 331. Pre or Corequisite: MATH 333. Alternate years.

PHYS 343. Methods of Experimental Physics. (2 Credits)
Design of scientific investigations; experimental methods and instrumentation; construction of scientific arguments from data. Six hours laboratory. Prerequisites: PHYS 334 and Junior or higher standing. (lin)

PHYS 344. Quantum Mechanics. (4 Credits)
Elements of quantum physics, solutions of Schrödinger’s equation applied to atomic and molecular structure, applications, interpretations. Prerequisites: PHYS 331 and 334; and MATH 245, 331 and 333. Alternate years.

PHYS 345. Methods of Data Analysis and Presentation. (2 Credits)
Development of skills in data and error analysis, technical communication, and scientific argument. Prerequisite: PHYS 334 and Writing and Communication Competencies.

PHYS 351. Analog Electronics. (2 Credits)
Basic principles of electronic circuits and devices. AC and DC circuit fundamentals, filters, diodes, transistors, amplifiers, and operational amplifiers. Four hours lecture, three hours laboratory. Prerequisite: PHYS 232. Pre or Corequisite: PHYS 334.
PHYS 352. Computer Data Acquisition. (2 Credits)
Digital electronics, analog to digital conversion, computer interfacing, and data acquisition with LabVIEW software. Four hours lecture, three hours laboratory. Prerequisite: PHYS 351. Alternate years.

PHYS 353. Introductory Optics. (2 Credits)
Electromagnetic and quantum mechanical theory of light, geometrical and physical optics, interference, diffraction, and optical instruments. Four hours lecture, three hours laboratory. Prerequisite: PHYS 334. Alternate years.

PHYS 354. Advanced Optics. (2 Credits)
Light propagation in matter, polarization, Fourier optics, aberrations, holography, lasers, and modern optical materials and components. Four hours lecture, three hours laboratory. Prerequisite: PHYS 353. Alternate years.

PHYS 359. Thermodynamics. (4 Credits)

PHYS 361. Solid State Physics and Nanotechnology. (2 Credits)
Bonding and structure of crystals, electronic properties of insulators, semiconductors, metals, and superconductors, limits of smallness, molecular assembly, and nanoscale physics. Prerequisite: PHYS 344 or CHEM 371. Alternate years.

PHYS 362. Plasma Physics. (2 Credits)
Introduction to plasma physics including definition of a plasma, single particle and guiding center motions, fluid descriptions, waves, instabilities, and applications of plasma physics in space and astrophysics, controlled thermonuclear fusion, and industry. Pre or Corequisite: PHYS 342. Alternate years.

PHYS 366. Particle Physics and Cosmology. (2 Credits)
Elementary particles, fundamental interactions, conservation laws and symmetries, big bang cosmology, dark matter and dark energy. Alternate years. Prerequisites: PHYS 331 and 334.

PHYS 367. Introduction to Stellar and Galactic Astrophysics. (4 Credits)
Introduction to stellar and galactic astrophysics with an emphasis on the underlying physical principles. Course has an integrated lab component (2 hours lecture, 1 hour lab per week) Topics: Structure and evolution of stars, stellar atmospheres and spectra, binary stars and stellar remnants. Galactic dynamics, morphology, and evolution; large-scale structure of the universe. Prerequisites: MATH 333 and PHYS 334. Alternate years.

PHYS 494. Senior Seminar. (2 Credits)
Study of the wider cultural significance of physics including its historical development; its relationship to other disciplines; its philosophical interpretations; its place in a Christian worldview; and one's stewardship toward society. Independent study and classroom presentation. Prerequisite: senior standing in the major. (lin)

PHYS 495. Independent Study. (1 to 4 Credits)
Independent research.

PHYS 496. Internship. (2 to 4 Credits)
Supervised off-campus experience with departmental approval. Graded pass/fail. Prerequisite: junior or senior standing with Physics major.

PHYS 499. Honors Thesis. (2 to 4 Credits)
An independent project providing original physics research developed in a scholarly paper and culminating in an oral examination. Partially fulfills requirements for an honors degree in physics. Additional requirements are available in the Physics Office.

Astronomy Courses

ASTR 304. Global History of Cosmology. (4 Credits)
Study of the historical development of cosmology in ancient Egypt, Mesopotamia, India, Greece, Asia, and the Americas through contemporary developments. Cultural and religious interactions with developments in cosmology are emphasized. Prerequisite: a Scientific Practice (SP) course.
Tags: GP, SIP

ASTR 305. Astronomy. (4 Credits)
An introduction to the study of the universe. Topics include the solar system, the formation and evolution of stars and the structure, evolution and origin of the universe. Special attention will be given to the social, historical, philosophical and theological context of astronomical discoveries and controversies.
Tags: SIP

Engineering Courses

ENGR 101. Introduction to the Engineering Profession. (1 Credit)
Introduces students to the engineering profession. The engineering disciplines, problem solving approaches, design processes, professional practices, licensure, engineering ethics, and teamwork will be explored through discussion, reading, research, and guest visits by practicing engineers. The importance of the liberal arts and the impact of faith on the practice of engineering will be explored. Freshmen and sophomores only.

ENGR 105. Fundamentals of Engineering Graphics. (2 Credits)
Introduces students to engineering graphics, the means by which engineers communicate design and fabrication information. Topics cover: utilization of engineering graphics; information on graphics; use of the basic graphic tools; orthographic views in both third and first angle projections; auxiliary, section, isometric, and perspective views. This course acquaints students with the processes that are automated within Computer Aided Drafting and Design (CADD) software and expectations for CADD work product. Lab fee. (lin)

ENGR 125. Introduction to AutoCAD. (2 Credits)
Intro to AutoCAD with emphasis on the fundamentals of Computer-Aided Drafting and Design (CADD). Introduces concepts, techniques and procedures necessary to facilitate a basic functional understanding of AutoCAD and the process of using AutoCAD tools to create, dimension, and annotate basic engineering drawings. Lab fee. (lin)

ENGR 201. Engineering Mechanics 1 - Statics. (4 Credits)
Systems of units; gravitation; Newton's laws of motion; equilibrium and free-body diagrams; particles, forces and moments; structures in equilibrium; centroids and center of mass; moments of inertia; friction; beam loadings; cables; fluids; virtual work and potential energy; particle kinematics; and, rotating bodies. Prerequisite: PHYS 231. Pre or Corequisite: PHYS 334.

ENGR 202. Engineering Mechanics 11 - Dynamics. (4 Credits)
Topics include: kinematics and kinetics of particles; Newton's laws of motion; energy, momentum, systems of particles; rigid bodies; free-body diagrams; mass, acceleration, and force; plane motion of rigid bodies; and, conservation of energy and momentum. Prerequisite: ENGR 201. Pre or Corequisite: MATH 333.
ENGR 204. Innovative Design in Engineering. (4 Credits)
Provides the student engineer with firsthand experience in moving from a stated need to a developed and proof-tested product. Topics include project logbooks and plans, evaluating concepts and selecting a design, preparing design documents, fabrication, development and testing of prototypes, stewardship of the environment, preparation of engineering reports, and principles of contract, engineering, and patent law. Prerequisites: ENGR 201.

ENGR 223. Strength of Materials. (4 Credits)
Provides a broad range of knowledge of the behavior of materials under load. Topics include: mechanical properties; plane stress and strain; stress and strain relations; axially loaded members; Mohr’s circle; stress transformation; torsion of shafts; bending and normal and shear stresses in beams; beam deflection; and combined loading. Prerequisite: ENGR 201.

ENGR 225. Materials Science. (4 Credits)
Presents the scientific principles underlying the structural analysis of ceramic, composite, metallic (including semiconductors), and polymeric materials. Topics include atomic bonding and structure, electronic structure, micro- and macrostructure. Principles of structural effects on the chemical, mechanical, and physical properties of material are also addressed. Prerequisites: ENGR 201 and CHEM 231.

ENGR 394. Engineering Ethics Capstone. (2 Credits)
Engineering ethics and vocation; connections between the liberal arts educational experience and the practice of engineering. Prerequisite: Junior standing in the major. Seminar format meeting once per week for the full semester. (lin)
English

The English curriculum is designed to strengthen and deepen our students’ understanding of literature and its complex relationship to their experience. We do so by joining with them in the study of literary works from various genres, diverse cultures, and different periods of history.

We strive to train our students to read closely, to think critically, and to write clearly, creatively, and persuasively.

We aspire to equip our students to situate works of literature in culture and history, to articulate how those works enter into conversation with one another, and to undertake research for the purpose of joining the critical conversation, particularly but not exclusively through the writing of essays and papers.

We long to have literature transform our students in ways that enhance their ability to engage life’s enduring questions, to develop empathy for others, and to employ their many skills in their vocational callings and their lives in the public sphere.

Students under the Christ at the Core general education may meet the Literary Explorations requirement with any course tagged LE. Prospective English majors should take ENGL 215 Classical and Early British Literature as their LE course, as it meets the Christ at the Core requirement as well as a major requirement.

Current lists of requirements are available in the department office or on the department website.

All English majors must submit a departmental portfolio as part of the graduation requirements. Full details are available at www.wheaton.edu/Academics/Departments/English/Majors (http://www.wheaton.edu/Academics/Departments/English/Majors).

The department offers an honors program for outstanding junior and senior majors who want to undertake independent research. Details are available in the department office or on the department website.

Writing

Believing that the ability to write well is one of the marks of educated men and women, the English Department offers to students in all departments of the College opportunities to study and to practice various types of writing. Successful completion of the First Year Writing Competency requirement is a prerequisite for enrollment in any upper division writing course.

First Year Writing Competency

First-Year Writing (ENGW 103 First Year Writing: Composition and Research or ENGW 104 First Year Writing: Composition and Research) equips students to express themselves as writers in their work throughout the Wheaton College academic curriculum and beyond. The course is designed to prepare students to write effectively in a variety of contexts and to improve student learning and performance in many other areas of their undergraduate education. Since the course introduces students to ideas and practices that are central to a liberal arts education, students should fulfill this requirement during their first year. Students are also encouraged to take additional writing courses beyond the general education requirement. Successful completion of the requirement is a pre-requisite for enrollment in any upper–division writing course.

Meeting the First Year Writing Requirement

You may satisfy the writing requirement by taking ENGW 103 (4 hours) and earning a grade of C or higher.

You may satisfy the writing requirement by taking ENGW 104 (2 hours) and earning a grade of C or higher if:

- You have scored a 3 on the LANGUAGE/Composition Advanced Placement exam.
- You have received a 10, 11, or 12 subject-level score on the ACT Writing Test.
- Your ELA score (an average of your English, Reading, and Writing scores) is 32 or higher on an ACT exam taken on or after September 1, 2015.
- You have scored a 10, 11, or 12 on an SAT Essay taken before March 2016.
- You have scored a minimum of 6 or better in every category (reading, analysis, and writing) on an SAT Essay exam taken on or after March 1, 2016.

Options to Fulfill the Requirement with Academic Credit

- If you have scored a 4 or 5 on the LANGUAGE/Composition Advanced Placement exam, you earn 4 semester hours of writing credit and have completed the writing requirement.
- If you have scored a 3 on the LANGUAGE/Composition Advanced Placement exam, you earn 2 semester hours of writing credit. You may complete the 4-hour requirement by taking ENGW 104 (2 hours).

Option to Fulfill the Requirement without Academic Credit

You may complete the 4-hour requirement by passing the Writing Competency Exam, which is given each semester (on a date to be announced through email). The exam is open only to first year and transfer students who will have one opportunity to take the exam in the fall or spring of their first year at Wheaton. The cost of the exam is $30. No academic credit is given for passing the exam, but a 2-hour portion of the First Year Writing requirement will have been met.

If after taking the competency exam, students do not fulfill the First Year Writing requirement, they will be placed in either ENGW 103 or ENGW 104 based on their score. Students who have not taken the exam during their first year at Wheaton MUST take either ENGW 103 or ENGW 104, based on previous test scores (see “Meeting the First Year Writing Requirement” above).

Faculty

Chair, Professor Thomas Martin
Clyde S. Kilby Professor of English, Christina Bieber Lake
Professors Christine Colón, Jeffry Davis
Associate Professors James Beitler, Jeffrey Gilbraith, Tiffany Kriner, Richard Gibson, Nicole Mazzarella, Miho Nonaka, Kimberly Sasser
Assistant Professors Andrew Bratcher, Benjamin Weber
Senior Lecturer Alison Gibson

Programs

- English Major with a Literature Concentration (p. 130)
- English Major with a Teaching Concentration (p. 130)
Courses

Literature Courses

ENGL 102. Modern Western Literature. (2 Credits)
A survey of modern western literature with emphasis on genres prominent in the 19th and 20th centuries.

ENGL 111. Studies in Western Literature. (4 Credits)
An introduction to Western literature for non-majors that equips students for life-long learning by teaching them the skills of literary study. Students will investigate enduring or perennial questions of Western literature and culture, including what comprises a "classic" or canonical text, in the context of either 1) a focused investigation of an influential period or author(s) or 2) a survey of texts that are joined by genre or central theme(s). The course will develop students' abilities to apply close-reading practices; to situate their interpretations within relevant literary, historical, biographical and/or cultural contexts and traditions; and to employ genre conventions in their writing. Across the semester, students will also reflect on the readings' harmony with and dissonance from Christian theological traditions, as well as the value of reading literature for the Christian life.

ENGL 112. Studies in Western Literature: Comedy and Tragedy. (4 Credits)
An introduction to Western literature (specifically the genres of comedy and tragedy) for non-majors that equips students for life-long learning by teaching them the skills of literary study. Students will investigate enduring or perennial questions of Western literature and culture, including what comprises a "classic" or canonical text, in the context of either 1) a focused investigation of an influential period or author(s) or 2) a survey of texts that are joined by genre or central theme(s). The course will develop students' abilities to apply close-reading practices; to situate their interpretations within relevant literary, historical, biographical and/or cultural contexts and traditions; and to employ genre conventions in their writing. Across the semester, students will also reflect on the readings' harmony with and dissonance from Christian theological traditions, as well as the value of reading literature for the Christian life.

ENGL 115. Topics in Modern Global Literature. (4 Credits)
An introduction to diverse literatures since 1700. Students will track literary conversations, concerns, and historical events and other phenomena that interconnect people across geopolitical borders. The particular regions and literary genres covered depend upon the course theme.

ENGL 202. Topics in Global Literature: West African Literature. (4 Credits)
This course, which will exist in numerous topical instantiations, is designed to facilitate students' substantive engagement with global culture through an exploration of the formal and generic elements of literature. Within a sustained focus on analyzing multiple examples of literature of at least one cultural group outside the Anglo/AngloAmerican context within its historical/cultural context, students will practice literary and cultural analysis with an aim of illuminating not only the literature and culture, but also the students' Christian theological understanding and personal response to the literature and culture.

ENGL 215. Classical and Early British Literature. (4 Credits)
An overview of Classical and early British literature, introducing students to major eras, authors, and genres through the sixteenth-century.

ENGL 225. Topical Seminar. (4 Credits)
A topical seminar that introduces students to terms and techniques of literary analysis, important questions within the discipline, and the research process. Prerequisite: ENGL 215

ENGL 226. Topical Seminar: Shakespeare. (4 Credits)
A topical seminar that introduces students to terms and techniques of literary analysis, important questions within the discipline, and the research process. This course will focus on William Shakespeare. Required for students seeking teacher licensure. Pre-requisite: ENGL 215

ENGL 285. Topics in Global Literature. (2 Credits)
An introductory survey of a literature outside the Western tradition, e.g. the literature of Africa, Latin America, India, or the Far East (China and/or Japan).

ENGL 326. Children's Literature. (2 Credits)
A chronological survey by genre of books written for children, preschool through grade six. (Does not count toward general education requirement or English major.)

ENGL 328. Young Adult Literature. (4 Credits)
Critical analysis and evaluation of contemporary novels for adolescents in grades six through twelve. At least half of the novels discussed in this course will be works outside the Anglo/Anglo American context. (Does not count toward general education requirement. Counts toward the 40 hr. minimum only for teaching concentration students.)

ENGL 331. American Literature: Beginnings through Romanticism. (4 Credits)
The chief literary works of the sixteenth century in their English setting, with emphasis on More, Marlowe, Sidney, Spenser, and Kyd.

ENGL 336. The English Renaissance. (4 Credits)
The chief literary works of the sixteenth century in their English setting, with emphasis on More, Marlowe, Sidney, Spenser, and Kyd.

ENGL 337. Seventeenth-Century English Literature. (4 Credits)
The metaphysical and Cavalier traditions of poetry, the work of Milton, and a sampling of prose traditions.

ENGL 338. Restoration and Eighteenth-Century Literature. (4 Credits)
Major British writers from 1660 to 1789, including Aphra Behn, Jonathan Swift, Samuel Johnson, and Laurence Sterne. Readings will provide an understanding of literary developments such as Neoclassicism, the Novel the culture of Sensibility, and the Gothic.

ENGL 341. American Literature: Beginnings through Romanticism. (4 Credits)
Early American literature from the writings of exploration and colonization through Romanticism. Writers may include Edwards, Franklin, Douglass, Emerson, Thoreau, Whitman, Melville, Hawthorne, and Dickinson.

ENGL 342. American Literature: Realism to Modernism. (4 Credits)
Literature from the Civil War to the Great Depression. Writers may include Twain, Wharton, Chopin, Dreiser, Frost, Eliot, Hemingway, Fitzgerald.

ENGL 343. American Literature after 1945. (4 Credits)
Writers discussed may include Baldwin, O'Connor, Miller, Kerouac, DeLillo, Carver, Levertov, Morrison, Cisneros, Wilbur, Robinson.

ENGL 355. The Romantic Period. (4 Credits)
Major English Romantic writers, 1783-1832, together with a study of the meaning of Romanticism. Includes Jane Austen.
ENGL 361. Victorian Literature. (4 Credits)
The poetry, fiction, prose, and drama of the Victorian era (1832-1901),
including major works of Tennyson, Browning, Arnold, Hopkins, the
Brontës, Dickens, Eliot, Hardy, Carlyle, Ruskin, and the Pre-Raphaelites

ENGL 364. British Modernism: 1900-1939. (4 Credits)
An exploration of some of the key authors and themes of 20th century
British Literature, with particular emphasis on High Modernism: Joyce,
Yeats, Woolf, and their contemporaries.

ENGL 365. British Literature after 1939. (4 Credits)
An exploration of some of the major authors and themes in the literature
of the British Isles since the end of World War II.

ENGL 371. Modern European Literature. (4 Credits)
Poetry, fiction, drama, and non-fiction prose from 1850 to the present.
Writers may include Flaubert, Dostoevsky, Ibsen, Mann, Kafka, Bonhoeffer,

ENGL 373. Literature of the Bible. (4 Credits)
The literary forms and meaning of biblical literature.

ENGL 375. Women Writers. (2 Credits)
A study of major women novelists, essayists, poets, and playwrights from
the Middle Ages to the present.

ENGL 378. Studies in Literary Genre. (4 Credits)
Each offering of this course will investigate one of the major literary
generes-novel, epic, tragedy, lyric, drama, essay, and so on-investigating its
characteristic features and tracing its development over time.

ENGL 379. African-American Literature. (4 Credits)
A survey of the African American literary tradition from Phillis Wheatley
and the slave narratives to Toni Morrison. Other writers include Chesnutt,
Hurston, Hughes, Wright, Baldwin, Baraka, and Clifton.

ENGL 381. American Literature in Focus: Beginnings Through
Romanticism. (2 Credits)
In-depth study of an author or authors, movement, genre, or theme in
American literature from its beginnings through romanticism. (2 hour
parallel to ENGL 341.)

ENGL 382. American Literature in Focus: Realism to Modernism. (2
Credits)
In-depth study of an author or authors, movement, genre, or theme in
American literature from from Realism through Modernism in American
literature. (2 hour parallel to ENGL 342.)

ENGL 383. American Literature in Focus: After 1945. (2 Credits)
In-depth study of an author or authors, movement, genre, or theme in
American literature after 1945. (2 hour parallel to ENGL 343.)

ENGL 384. Shakespeare. (4 Credits)
The major comedies and tragedies, along with selective study of the
history plays and romances.

ENGL 385. Selected Authors. (2 Credits)
In-depth study of a single author or a small number of authors.

ENGL 386. Selected Authors. (4 Credits)
In-depth study of a single author or a small number of authors.

ENGL 387. C.S. Lewis and J.R.R. Tolkien. (4 Credits)
In this course, we will study the works of two 20th century English writers
- Clive Staples Lewis and John Ronald Reuel Tolkien. During our time
on Wheaton's campus, we will take advantage of the Marion E. Wade
Center's wonderful collections, preparing for our studies in England
by conducting research on Lewis' and Tolkien's scholarship and by
beginning to investigate the many contexts (e.g., historical, literary,
thological, intellectual, cultural) in which they wrote. During our time in
England, we will deepen our understanding of the relationships among
these figures, their works, their beliefs, and the places that they inhabited.
We will tour the colleges where they worked, walk in the gardens where
they discussed mythology and belief, enjoy a meal at their favorite pub,
attend their churches, and visit their gravesites. A central concern of
our course will be to consider the relationship between the real and the
fantastic, but we will also take up questions of joy and sorrow, place
and power, and faith and fellowship as we travel "there and back again".
Tags: LE

ENGL 388. Jane Austen in Her Time and Ours. (4 Credits)
An in-depth study of Jane Austen's novels that places them within
the political, social and cultural contexts of late eighteenth- and early
nineteenth-century England. As students explore Austen's novels in this
course, they will develop their abilities to analyze literary works through
close reading, to situate their interpretations within relevant contexts,
and to explore enduring questions as they reflect on how Austen's ideas
interact with Christian theological traditions. They will also develop their
abilities to critically analyze historical sources, interpret the past using
sound historical reasoning, and articulate connections between historical
investigation and Christian conviction and practice as they explore the
complexities of England during this time period.
Tags: HP, LE

ENGL 391. American Literature in Focus: Beginnings through
Romanticism. (4 Credits)
In-depth study of an author or authors, movement, genre, or theme in
American literature from its beginnings through romanticism. (4 hour
parallel to ENGL 341.)

ENGL 392. American Literature in Focus: Realism to Modernism. (4
Credits)
In-depth study of an author or authors, movement, genre, or theme in
American literature in the period from Realism through Modernism in
American literature. (4 hour parallel to ENGL 342.)

ENGL 393. American Literature in Focus: After 1945. (4 Credits)
In-depth study of an author or authors, movement, genre, or theme in
American literature after 1945. (4 hour parallel to ENGL 343.)

ENGL 415. The Archaeology of Texts: Bibliographical Investigations. (4
Credits)
An exploration of the overlapping fields of bibliography, textual criticism,
and book history as they have developed in the last phe hundred years.
Students will both read landmark works within these fields and undertake
hands-on applications of the theories that they encounter in readings.

ENGL 431. Christianity and Fantasy. (4 Credits)
An exploration of the complex interrelations of Christianity and the
fantastic, primarily in 20th century literature. Authors studied may include
George MacDonald, G.K. Chesterton, J.R.R. Tolkien, C.S. Lewis, Ursula
K. Le Guin, John Crowley, Salman Rushdie, Susanna Clarke, and Neil
Gaiman.
ENGL 433. Varied Literary Topics. (2 or 4 Credits)
Selected topics, studied with a view to giving added breadth and depth to
the understanding of special areas of literature. Where appropriate, this
course may be substituted for listed requirements.

ENGL 434. Modern Literary Theory. (4 Credits)
An introduction to the most influential modern theories about what
literature is and how we experience it, with particular emphasis on
deconstruction, feminism, New Historicism, and post-colonial criticism.

ENGL 435. History of Literary Criticism. (4 Credits)
Key documents in the history of Western thought about literature,
from Plato’s banishment of the poets to the advent of Modernism.
Other authors studied include Aristotle, Augustine, Dante, Sidney, Kant,
Coleridge, Arnold, Nietzsche, and Marx.

ENGL 485. Studies in Wade Center/Special Collections Authors. (2
Credits)
An in-depth study of a single author or a small number of authors
included in the Wade Center and/or in Buswell’s Special Collections.
Students will be introduced to archival research as they explore authors
such as C.S. Lewis, J.R.R. Tolkien, G.K. Chesterton, Dorothy L. Sayers,
Charles Williams, George MacDonald, and Owen Barfield. (Open to Majors
only, does not count for general education.)

ENGL 486. Studies in Wade Center/Special Collections Authors. (4
Credits)
An in-depth study of a single author or a small number of authors
included in the Wade Center and/or in Buswell’s Special Collections.
Students will be introduced to archival research as they explore authors
such as C.S. Lewis, J.R.R. Tolkien, G.K. Chesterton, Dorothy L. Sayers,
Charles Williams, George MacDonald, and Owen Barfield. (Open to Majors
only, does not count for general education.)

ENGL 494. Senior Seminar in English. (4 Credits)
Selected subjects, such as a group of writers, a literary form, or a theme,
studied with a view to critical concerns and the integration of Christ at
the Core experiences in literary study. Includes vocational component.

ENGL 495. Independent Study. (1 to 4 Credits)
An individually planned program of reading, research, and consultation
under the supervision of a member of the department.

ENGL 496. Literature Internship. (1 to 4 Credits)
English Department approval. Graded pass/fail.

ENGL 499. Honors Thesis. (4 Credits)
An independent scholarly project requiring original research and
culminating in an oral defense. By application only.

English Courses

ENG 271. History of English Language. (2 Credits)
A study of the development of the English language with attention
given to an understanding of semantics, syntax, morphology, phonology,
and diversity in language use. Required of all English majors seeking
secondary education licensure. Offered in alternate years.

ENG 324. Methods of Teaching High School English. (2 Credits)
Content will focus on teaching English Language Arts at the high school
level and will address the issues of planning, teacher/student
interaction, literacy skills, pedagogy for various genres of literature, technology
and instructional aids, assessment and grading procedures. Required of English majors pursuing middle school and high school licensure, prior to student teaching. Open to all English majors interested in teaching. Corequisite: ENG 325. Prerequisite: Acceptance to the Wheaton Teacher Education Program (WheTEP) or the instructor’s approval.

ENG 325. Methods of Teaching Middle School English. (2 Credits)
Content will focus on teaching English Language Arts at the middle school level and will address the issues of planning, teacher/student interaction, literacy skills, pedagogy for various genres of literature, technology and instructional aids, assessment and grading procedures. Required of English majors pursuing middle school and high school licensure, prior to student teaching. Open to all English majors interested in teaching. Corequisite: ENG 324. Prerequisite: Acceptance to the Wheaton Teacher Education Program (WheTEP) or the instructor’s approval.

ENG 429. Literacy Assessment. (2 Credits)
This course is designed to explore specific problems in the teaching of the language arts beyond those covered in EDUC 312. It deals with diagnosis and recommendations for providing supportive contexts for individual differences. Prerequisites: EDUC 135, 136, 136L, 225, 225L, 312 (or equivalent), and admission to WheTEP or consent of instructor.

Writing Courses

ENGW 103. First Year Writing: Composition and Research. (4 Credits)
First Year Writing equips students to grow as writers in the Wheaton
College classroom and beyond. The course is designed to prepare
students to write effectively in a variety of social contexts and to
improve student learning and performance in many other facets of their
undergraduate education.

General Education: COMP

ENGW 104. First Year Writing: Composition and Research. (2 Credits)
First Year Writing equips students to grow as writers in the Wheaton
College classroom and beyond. The course is designed to prepare
students to write effectively in a variety of social contexts and to
improve student learning and performance in many other facets of their
undergraduate education. Credit not given in addition to ENGW 103.
Prerequisite: placement test scores as stated under General Education
Requirements.

General Education: COMP

ENGW 213. Creative Writing. (4 Credits)
Practice in a variety of essay forms, with emphasis on the development
tone and style. Prerequisite: completion of general education writing
requirement.

ENGW 214. Rhetorical Writing. (2 Credits)
Practice in a variety of essay forms, with emphasis on the development
of a polished prose style. Prerequisite: completion of general education
writing requirement.

ENGW 233. Writing Chicago. (4 Credits)
This course engages the literature of Chicago writers and supports
students as they work on their own academic, creative, and/or
community-based writing projects. LE
Tags: LE

ENGW 332. Creative Non-Fiction. (4 Credits)
Practice combined with a study of the literary essay. Prerequisite:
ENGW 213 or ENGW 214 or permission of the instructor.

ENGW 333. Writing for Social Change. (4 Credits)
Explores writing as a means of social action and supports students as
they write with and for one another, their communities, and members of
local organizations and institutions. Prerequisite: Completion of at least
one 200 level writing course (2-4), unless specified by the instructor.

ENGW 335. Poetry Writing and Criticism. (4 Credits)
Practice combined with a study of modern and contemporary poetry.
Prerequisite: ENGW 213 or permission of the instructor.
ENGW 336. Fiction Writing and Criticism. (4 Credits)
Practice combined with a study of modern and contemporary fiction. Prerequisite: ENGW 213. For English majors or with permission of the instructor.

ENGW 444. Special Topics in Writing. (2 or 4 Credits)
Selected topics or genres, studied with a view to giving added breadth and depth to the understanding of special areas of writing. Open to writing concentration students or with permission of the instructor. Prerequisite: completion of at least one 200-level writing course.

ENGW 471. Composition Theory, Practice, and Pedagogy. (4 Credits)
A survey of composition theory, grammar, and approaches to the teaching of writing, along with extensive practice in expository writing. Required for English majors pursuing secondary education licensure, prior to student teaching. Open to English majors interested in teaching writing and elementary education majors with a language arts concentration (with the instructor’s approval). Prerequisites: completion of general education writing requirement and junior status.

ENGW 494. Senior Seminar in Writing. (4 Credits)
Selected subjects or genres in writing, studied with a view to critical and professional concerns and the integration of faith and learning in issues of writing. Open only to writing concentration students.

ENGW 495. Writing Projects. (1 to 4 Credits)
Writing Projects.

ENGW 496. Writing Internship. (1 to 4 Credits)
English Department approval. Graded pass/fail.

English Major with a Literature Concentration

Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

The English major with Literature Concentration (40 hours) enables students to build on the common core of foundational courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 215</td>
<td>Classical and Early British Literature</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 225</td>
<td>Topical Seminar (that focuses on critical research and writing)</td>
<td>4</td>
</tr>
<tr>
<td>or ENGL 226</td>
<td>Topical Seminar: Shakespeare</td>
<td></td>
</tr>
</tbody>
</table>

Pre-1800 British Literature
Select 4 credits of the following:

<table>
<thead>
<tr>
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<th>Title</th>
</tr>
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<tbody>
<tr>
<td>ENGL 331</td>
<td>Medieval Literature</td>
</tr>
<tr>
<td>ENGL 336</td>
<td>The English Renaissance</td>
</tr>
<tr>
<td>ENGL 337</td>
<td>Seventeenth-Century English Literature</td>
</tr>
<tr>
<td>ENGL 338</td>
<td>Restoration and Eighteenth-Century Literature</td>
</tr>
</tbody>
</table>

Post-1800 British Literature
Select 4 credits of the following:

<table>
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<tr>
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<tbody>
<tr>
<td>ENGL 355</td>
<td>The Romantic Period</td>
</tr>
<tr>
<td>ENGL 361</td>
<td>Victorian Literature</td>
</tr>
<tr>
<td>ENGL 364</td>
<td>British Modernism: 1900-1939</td>
</tr>
<tr>
<td>ENGL 365</td>
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American Literature

At least one period survey course:

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>ENGL 341</td>
<td>American Literature: Beginnings through Romanticism</td>
</tr>
<tr>
<td>ENGL 342</td>
<td>American Literature: Realism to Modernism</td>
</tr>
<tr>
<td>ENGL 343</td>
<td>American Literature after 1945</td>
</tr>
</tbody>
</table>

One American Literature in Focus from a different time period:

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>ENGL 381</td>
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<tr>
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<td>American Literature in Focus: Realism to Modernism</td>
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<td>ENGL 383</td>
<td>American Literature in Focus: After 1945</td>
</tr>
<tr>
<td>ENGL 391</td>
<td>American Literature in Focus: Beginnings through Romanticism</td>
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</tr>
<tr>
<td>ENGL 393</td>
<td>American Literature in Focus: After 1945</td>
</tr>
</tbody>
</table>

British/World Figure

Select one of the following:

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>ENGL 384</td>
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</tr>
<tr>
<td>ENGL 385</td>
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</tr>
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<td>ENGL 386</td>
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</tr>
</tbody>
</table>

Electives
Select 10 credits

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>ENGL 494</td>
<td>Senior Seminar in English</td>
</tr>
</tbody>
</table>

Total Credits 40

1 Students are invited to explore various interests from among a wide range of elective offerings in world literature, theory, genre, figure courses, writing, and special topics from a list of courses numbered 200 or above (available in the English Department). Students may choose up to 6 credits in writing courses (ENGW 213, ENGW 214, or sections of ENGW 444) as electives toward the Literature Concentration.

Note: ENGL 326 Children’s Literature and ENGL 328 Young Adult Literature do not count toward the major.

English Major with a Teaching Concentration

Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

The English major with Teaching Concentration (40 hours) offers students a clearly-articulated curriculum leading to state licensure...
in teaching English. (Students must also declare a second major in Teaching Concentration has a core of 24 hours that has been adapted to licensure requirements and common secondary education teaching experiences and includes:

<table>
<thead>
<tr>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Foundational Courses</td>
<td></td>
</tr>
<tr>
<td>ENGL 215</td>
<td>Classical and Early British Literature</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 226</td>
<td>Topical Seminar: Shakespeare (Teaching Concentration students will focus on a topic related to Shakespeare.)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>American Literature</td>
<td></td>
</tr>
<tr>
<td>ENGL 341</td>
<td>American Literature: Beginnings through Romanticism</td>
<td>8</td>
</tr>
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<td>American Literature: Realism to Modernism</td>
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<tr>
<td>ENGL 343</td>
<td>American Literature after 1945</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Post-1800 British Literature</td>
<td></td>
</tr>
<tr>
<td>ENGL 355</td>
<td>The Romantic Period (recommended)</td>
<td>8</td>
</tr>
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<td>ENGL 361</td>
<td>Victorian Literature (recommended)</td>
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<td>Young Adult Literature</td>
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</tr>
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<td>ENGL 325</td>
<td>Methods of Teaching Middle School English</td>
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<td>ENGL 324</td>
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</table>

Each student will be individually mentored by one of the members of the English Department who has previously taught at the secondary level.

**English Major with a Writing Concentration**

**Requirements**

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

The **English major with Writing Concentration** (40 hours) offers students the opportunity to immerse themselves in the close study of writers across the centuries and is grounded in the same core courses as the other concentrations. This core includes:

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<td>American Literature in Focus: Realism to Modernism</td>
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<td>ENGL 383</td>
<td>American Literature in Focus: After 1945</td>
<td></td>
</tr>
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Select 2-6 credits in one or both of the following:

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</tr>
</thead>
<tbody>
<tr>
<td>ENGW 213</td>
<td>Creative Writing</td>
<td></td>
</tr>
<tr>
<td>ENGW 214</td>
<td>Rhetorical Writing</td>
<td></td>
</tr>
</tbody>
</table>

Select 4-8 credits of the following Upper Level Writing Courses:

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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGW 332</td>
<td>Creative Non-Fiction</td>
<td></td>
</tr>
<tr>
<td>ENGW 333</td>
<td>Writing for Social Change</td>
<td></td>
</tr>
<tr>
<td>ENGW 335</td>
<td>Poetry Writing and Criticism</td>
<td></td>
</tr>
<tr>
<td>ENGW 336</td>
<td>Fiction Writing and Criticism</td>
<td></td>
</tr>
<tr>
<td>ENGW 471</td>
<td>Composition Theory, Practice, and Pedagogy</td>
<td></td>
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</table>

Select 2-4 credits of the following:

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<tr>
<th>Code</th>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGW 444</td>
<td>Special Topics in Writing</td>
<td></td>
</tr>
</tbody>
</table>
ENGW 494 Senior Seminar in Writing (focuses on the interrelationship between writing and the Christian faith) 4

Total Credits 40

Beyond the shared core, students take up an intense study of the craft and theory of various forms of writing, including essays, short stories, poetry, and novellas. Students must take a minimum of 16 hours in ENGW writing courses beyond the 100 level writing courses. We encourage students to sample widely in various genres.

English Minor

Requirements

Requirements for a minor in English are 20 hours, including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 111</td>
<td>Studies in Western Literature</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 112</td>
<td>Studies in Western Literature: Comedy and Tragedy</td>
<td></td>
</tr>
<tr>
<td>ENGL 215</td>
<td>Classical and Early British Literature</td>
<td></td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
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</tr>
<tr>
<td>ENGL 115</td>
<td>Topics in Modern Global Literature</td>
<td></td>
</tr>
<tr>
<td>ENGL 202</td>
<td>Topics in Global Literature: West African Literature</td>
<td></td>
</tr>
<tr>
<td>ENGL 225</td>
<td>Topical Seminar</td>
<td></td>
</tr>
<tr>
<td>or ENGL 226</td>
<td>Topical Seminar: Shakespeare</td>
<td></td>
</tr>
<tr>
<td>American Literature</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 341</td>
<td>American Literature: Beginnings through Romanticism</td>
<td></td>
</tr>
<tr>
<td>ENGL 342</td>
<td>American Literature: Realism to Modernism</td>
<td></td>
</tr>
<tr>
<td>ENGL 343</td>
<td>American Literature after 1945</td>
<td></td>
</tr>
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<tr>
<td>Select 8 credits</td>
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<tr>
<td>Total Credits</td>
<td></td>
<td>20</td>
</tr>
</tbody>
</table>

1 Other courses are at the student's discretion, except that if a student takes neither ENGL 215 nor ENGL 225 / ENGL 226, one of the remaining courses must be a course in British literature.
Environmental Science

In the Environmental Science Program at Wheaton College students learn the science and service of environmental stewardship, and the understanding and care of God's physical creation. Through acts of scholarship and service, students and faculty protect environmental systems, inform the global church, and influence society and culture to make appropriate responses of stewardship that reflect creation care.

The Environmental Science curriculum consists of a core curriculum of 42 credit hours and 10 credit hours of approved environmental science electives. The core curriculum covers four broad areas of environmental science:

- the interdisciplinary foundation and issues of environmental science in the core natural sciences,
- the technical skills needed to assess environmental problems and develop and implement solutions,
- the environmental and social science connections inherent to environmental problems,
- professional development through practical experiences in environmental study, management and research as expressions of service to God, other human beings, and creation.

These thematic areas are infused with a Biblical theology of creation care and stewardship.

Students select, in consultation with their academic advisor, elective environmental science courses that complement their individual interests. These electives provide more advanced expressions of theory and practice in lectures, discussions, laboratory, field experience, and environmental research. This curriculum prepares students not only to be an effective servant as an environmental professional, but to become an agent of transformation of the professional culture of environmental science in ways that increase Christian influence and expression in this field.

Field science experience is a key component of preparation for an environmental vocation. Environmental Science majors will participate in at least one field intensive course. Most Environmental Science majors complete this requirement by studying at the Wheaton College Science Station in the Black Hills of South Dakota the summer after their freshman or sophomore year. Wheaton in the Black Hills completes two of the Core Requirements for the major as well as satisfying the field-intensive course requirement. Upon completion of a summer of study in the Black Hills Environmental Science students are eligible to apply for internship and research positions at the Science Station in following years. Participation in a HNGR internship or a semester abroad at the International Sustainable Development Studies Institute are other ways to meet the field requirement of the major and complete the major elective requirements. There are additional opportunities for off campus field studies including the Au Sable Institute (Michigan) and the Woods Hole Marine Biological Laboratory (Massachusetts). A field intensive course will be at least 2 weeks of full time study, or the equivalent, in a rural or remote natural environment.

An internship or research experience is a distinctive requirement for Environmental Science students at Wheaton College. Internships can be completed with private, governmental or non-profit organizations. With appropriate planning and coordination students may complete their internship through the Human Needs and Global Resources (HNGR) program, Urban Studies Program, or other approved experiential learning semester experience. Research experiences can be completed in collaboration with Wheaton faculty on campus or at field locations. While the Environmental Science program will provide assistance and direction, it is the student's responsibility to arrange and obtain approval for their internship or research experience.

Students who complete an Environmental Science major are granted a Bachelor of Science degree unless they request a Bachelor of Arts degree.

Faculty

Director, Chris Keil

Programs

- Environmental Science Major (p. 134)
- Environmental Science Minor (p. 135)

Courses

Environmental Science Courses

ENVR 212. Dynamic Earth and Environment. (4 Credits)
Introduction to the processes, cycles and systems of earth and environment. Special emphasis on human dependence upon earth's physical properties and processes and the environmental impacts of human activity. Plate tectonics and environmental systems provide frameworks for understanding earth materials and structures, global change, natural hazards (volcanoes, earthquakes, floods), water resources (surface and ground water, glaciers), biological/agricultural resources, energy and mineral resources, and associated environmental hazards. Explorations of biblical creation accounts and environmental stewardship relevant to course topics. Three hours lecture and two hours laboratory. Field trip fee.
Tags: SP

ENVR 221. Living in the Environment: An Introduction to Environmental Science. (4 Credits)
An introduction to the historical and contemporary problems and dilemmas faces as humans live in and interact with the environment. The scientific basis, cultural causes, social implications, ethical dimensions, and avenues for constructive response are addressed. Three lectures, three hours laboratory. Lab fee and field trip fee.
Tags: SP

ENVR 231. Environmental Law, Justice, and Development. (2 Credits)
Exploration of the effects of development on patterns of material use and waste release. Analysis of unsustainable practices and the resulting resource depletion and pollution production. Approaches to regulating environmental impacts. The disproportionate burden of resource loss and toxic emission on vulnerable populations is emphasized.

An exploration of contemporary environmental issues and problems. The understanding of the natural world will support the analysis of the role of society in creating, perpetuating and addressing these challenges. The role of personal and cultural responsibility for stewarding the natural environment will be emphasized. Field and classroom investigations will focus on the Black Hills context. Lab fee $50.
Tags: SIP
ENVR 319. Environmental Ethics. (4 Credits)
A survey and analysis of major scientific problems and foundational philosophies underlying contemporary environmental ethics and the application of environmental ethics to the scientific and professional practice of conservation and environmental stewardship in scientific research, personal decision making, and professional environmental management. Prerequisite: Lab science course.

ENVR 325. The Global Commons: International Issues in Environmental Science. (4 Credits)
An examination of environmental issues and challenges around the globe. The scientific principles needed to understand and characterize the problems will be covered as well as the economic, political, historical and cultural factors that drive the development of the problems. Attention will be given to integrated and holistic approaches to addressing environmental challenges. Prerequisite: SP course.

Tags: GP; SIP

ENVR 341. Quantitative Methods for Environmental Analysis and Problem Solving. (4 Credits)
Mathematical approaches to quantitatively describe, analyze, and understand environmental processes. Descriptive and inferential statistical techniques and numeric modeling are used to address environmental problems. Emphasis is on applications of the methods to practical problems and the use of computer resources. Three lectures, two hours laboratory.

Tags: AAQR

ENVR 371. Introduction to Geographic Information Systems. (2 Credits)
The hardware and software technology of GIS programs. Basic concepts of spatial data collection, storage, processing, and interpretation, combined with remote sensing. Uses the popular GIS software ArcGIS. Three hours lecture, two hours laboratory. Lab fee.

ENVR 381. Environmental Pollution and Toxicology. (4 Credits)
A study of the sources, environmental and human health impacts, and regulatory and engineering control of environmental pollution. Air pollutants, surface and groundwater pollutants, solid waste and hazardous waste will be covered. Human health impacts will be studied from a toxicologic and epidemiology basis. Measurement techniques will be covered in lab sessions. Three lectures, three hours laboratory. Lab fee. Prerequisite: Laboratory science (SP) course.

ENVR 395. Independent Studies in Environmental Science. (2 to 4 Credits)
Field, laboratory and literature research under faculty direction. Application of data gathering and analysis methods. Communication of results in multiple formats. Prerequisite: Instructor approval.

ENVR 422. Sustainable Agriculture. (2 Credits)
This course provides an overview of the intersections among food production, environmental capacity, culture, economics, and governance. We will examine biophysical and human systems. Global and majority world applications and issues will play a prominent role in the course. Prerequisite: SP course

ENVR 432. Introduction to Environmental Engineering. (4 Credits)
Environmental engineering applies science and mathematics to identify problems and develop solutions that protect people from pollution in various forms, safeguards public health, and improves environmental quality. This course will take an algebra-based approach to introduce students to engineering principles and practices used in water resources management, water supply and treatment, wastewater treatment, air pollution management and solid waste management. A sustainability theme will run throughout the course, as will considerations for both domestic and international applications. Prerequisite: SP course.

ENVR 494. Environmental Science Capstone. (2 Credits)
A culminating experience for environmental science students’ college career. Topics from across the breadth of the curriculum are integrated with environmental issues. Students explore the role of their liberal arts education and the practice of environmental stewardship as part of a personal and professional vocation. Prerequisites: ENVR 495 or 496, or permission of instructor.

ENVR 495. Environmental Science Research. (2 to 4 Credits)
Field, laboratory, or library research involving selection of a research problem, review of appropriate professional literature, completion of data collection and analysis, and preparation of one or more professional papers submitted for presentation or publication in an appropriate professional venue. Requires direct supervision and mentoring by the program director of Environmental Science or faculty approved by the director.

ENVR 496. Environmental Science Internship. (2 to 4 Credits)
An extended and concentrated experience in research, management, or education in environmental science under approved professional supervision and college guidelines. Prerequisites: Sophomore standing or higher and approval by the program director of Environmental Science.

ENVR 497. Environmental and Conservation Science Research Seminar. (1 Credit)
A weekly seminar featuring presentations of on-going primary research on problems of environmental and conservation studies in the natural and social sciences. Graded pass/fail. One hour per week. Prerequisites: Sophomore standing or higher.

Environmental Science Major
Requirements
Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Students who complete an Environmental Science major are granted a Bachelor of Science degree unless they request a Bachelor of Arts degree.

Requirements for a major in Environmental Science include 40 core curriculum hours and a minimum of 12 elective hours:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENVR 212</td>
<td>Dynamic Earth and Environment or GEOL 212</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 242</td>
<td>Diversity of Life: An Introduction to Zoology and Botany</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 243</td>
<td>Processes of Life: Ecology and Evolution</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 231</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>ENVR 231</td>
<td>Environmental Law, Justice, and Development</td>
<td>2</td>
</tr>
<tr>
<td>ENVR 341</td>
<td>Quantitative Methods for Environmental Analysis and Problem Solving</td>
<td>4</td>
</tr>
<tr>
<td>ENVR 371</td>
<td>Introduction to Geographic Information Systems</td>
<td>2</td>
</tr>
<tr>
<td>HNGR 114</td>
<td>Poverty, Justice and Transformation or URBN 114</td>
<td>4</td>
</tr>
<tr>
<td>ENVR 381</td>
<td>Environmental Pollution and Toxicology</td>
<td>4</td>
</tr>
<tr>
<td>ENVR 495</td>
<td>Environmental Science Research</td>
<td>2</td>
</tr>
</tbody>
</table>
Select one approved field-intensive course (see list following electives below) 4

Total Credits 40

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Electives</td>
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<tr>
<td></td>
<td>Select a minimum of 12 credits of the following in consultation with the program director:</td>
<td>12</td>
</tr>
<tr>
<td>BIOL 241</td>
<td>Organization of Life: Genetics and Cell Biology</td>
<td></td>
</tr>
<tr>
<td>BIOL 318</td>
<td>Global Health</td>
<td></td>
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<tr>
<td>BIOL 334</td>
<td>Parasitology</td>
<td></td>
</tr>
<tr>
<td>BIOL 335</td>
<td>Invertebrate Zoology</td>
<td></td>
</tr>
<tr>
<td>BIOL 338</td>
<td>Economic Botany</td>
<td></td>
</tr>
<tr>
<td>BIOL 339</td>
<td>Plant Physiology</td>
<td></td>
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<tr>
<td>BIOL 343</td>
<td>Plant Taxonomy</td>
<td></td>
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<tr>
<td>BIOL 348</td>
<td>Marine Biology</td>
<td></td>
</tr>
<tr>
<td>BIOL 356</td>
<td>Genetics 1</td>
<td></td>
</tr>
<tr>
<td>BIOL 372</td>
<td>Field Zoology</td>
<td></td>
</tr>
<tr>
<td>BIOL 382</td>
<td>Field Natural History</td>
<td></td>
</tr>
<tr>
<td>CHEM 241</td>
<td>Principles of Organic Chemistry</td>
<td></td>
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<tr>
<td>CSCI 245</td>
<td>Programming II: Object-Oriented Design</td>
<td></td>
</tr>
<tr>
<td>ECON 212</td>
<td>Principles of Macroeconomics</td>
<td></td>
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<tr>
<td>ECON 365</td>
<td>Economic Growth &amp; Development 2</td>
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</tr>
<tr>
<td>ENVR 395</td>
<td>Independent Studies in Environmental Science</td>
<td></td>
</tr>
<tr>
<td>ENVR 422</td>
<td>Sustainable Agriculture</td>
<td></td>
</tr>
<tr>
<td>ENVR 432</td>
<td>Introduction to Environmental Engineering</td>
<td></td>
</tr>
<tr>
<td>GEOL 232</td>
<td>Environmental Geochemistry</td>
<td></td>
</tr>
<tr>
<td>GEOL 307</td>
<td>Water: the Essential Natural Resource</td>
<td></td>
</tr>
<tr>
<td>GEOL 308</td>
<td>Energy &amp; Climate Change</td>
<td></td>
</tr>
<tr>
<td>GEOL 332</td>
<td>Studies In Regional Geology</td>
<td></td>
</tr>
<tr>
<td>GEOL 336</td>
<td>Process Geomorphology</td>
<td></td>
</tr>
<tr>
<td>GEOL 342</td>
<td>Fundamentals of Geochemistry</td>
<td></td>
</tr>
<tr>
<td>GEOL 343</td>
<td>Fundamentals of Mineral Science</td>
<td></td>
</tr>
<tr>
<td>GEOL 344</td>
<td>Igneous and Metamorphic Petrology</td>
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<tr>
<td>GEOL 355</td>
<td>Introduction to Soil Science</td>
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<tr>
<td>GEOL 365</td>
<td>Physics of the Earth</td>
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<tr>
<td>GEOL 372</td>
<td>GIS Practicum</td>
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<tr>
<td>GEOL 412</td>
<td>Field Geology</td>
<td></td>
</tr>
<tr>
<td>GEOL 437</td>
<td>Hydrogeology</td>
<td></td>
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<tr>
<td>HNGR 381</td>
<td>Topics in Development</td>
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<tr>
<td>IR 318</td>
<td>Environmental Politics</td>
<td></td>
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<tr>
<td>MATH 364</td>
<td>Mathematical Modeling</td>
<td></td>
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<tr>
<td>PHYS 305</td>
<td>Dakota Skies: Astronomy and Atmospheric Science in the Black Hills</td>
<td></td>
</tr>
<tr>
<td>PSCI 386</td>
<td>Congress &amp; Policy Process</td>
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<tr>
<td>URBN 233</td>
<td>Chicago</td>
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</table>

Total Credits 12

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**Approved Field Intensive Courses:**

**Wheaton College Science Station**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 242</td>
<td>Diversity of Life: An Introduction to Zoology and Botany</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 243</td>
<td>Processes of Life: Ecology and Evolution</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 382</td>
<td>Field Natural History</td>
<td>4</td>
</tr>
</tbody>
</table>

Approved Field Intensive Courses: Since BIOL 242 and BIOL 243 are also core requirements, if either is used to meet the field course core requirement, an additional four hours of elective coursework is needed to meet the 52 total credit hours required for the major.

**International Sustainable Development Studies Institute**

At this semester abroad program (http://isdsi.org) student will take Agroecology, Political Ecology of Forests, and Islands, Oceans and Sustainability which fulfill field intensive requirements as well as 12 credits hours of environmental science major electives.

**Au Sable Institute of Environmental Studies**

Varies by year. Check program website (https://www.ausable.org) for course listing. Fulfills field-intensive requirement with approval by Director of Environmental Science based on student's curricular goals.

**Morton Arboretum**

Varies by year. Check program website (http://www.mortonarb.org) for current course listing. Fulfills field-intensive requirement with approval by Director of Environmental Science based on student's curricular goals.

**Woods Hole Marine Biological Station**

Varies by year. Check program website (http://www.mbl.edu) for course listing. Fulfills field-intensive requirement with approval by Director of Environmental Science based on student's curricular goals.

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**Environmental Science Minor Requirements**

Requirements for a minor in Environmental Science include 20 hours:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Minor Requirements</td>
<td>ENVR 212 Dynamic Earth and Environment</td>
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</tr>
<tr>
<td></td>
<td>ENVR 231 Environmental Law, Justice, and Development</td>
<td>2</td>
</tr>
<tr>
<td>BIOL 242</td>
<td>Diversity of Life: An Introduction to Zoology and Botany</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 243</td>
<td>Processes of Life: Ecology and Evolution</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 371</td>
<td>Introduction to Geographic Information Systems</td>
<td>2</td>
</tr>
</tbody>
</table>

Select four additional credits as advised by the Director of the Environmental Science Program

Total Credits 20

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1. Prerequisite BIOL 241, BIOL 242 and BIOL 252 or ENVR 341 with dept. approval.
2. Prerequisite ECON 211 Principles of Microeconomics.
Geology

Geology education at Wheaton College prepares students for professional engagement as geoscientists and informed societal participation in a world of expanding knowledge, diminishing natural resources and rapid environmental change, motivated by our passion for what God has created and by our commitment to biblical principles of creation care.

The department's geology courses offer the student a general knowledge of the earth, its structure, composition, internal and external processes, and past history. Emphasis is placed upon field and laboratory investigation directed towards development of useful skills and a grasp of basic theoretical and working concepts. Building on this framework, the student can pursue any one of several avenues of study leading to majors in geology and earth science teaching; or to a minor in geology.

The Geology major has three options available leading to either a Bachelor of Science degree or a Bachelor of Arts degree. Both degrees require a core of geology courses plus supporting courses in other science disciplines and mathematics.

Faculty

Chair, Professor: Stephen O. Mosher
Assistant Professors: Andrew Luhmann, Kathryn Maniero, Gilles Tagne
Instructor: Lisa Heidlauf

Programs

- Geology, Bachelor of Science (p. 138)
- Geology, Bachelor of Arts (p. 138)
- Geology Major with Secondary Education Teacher Licensure (p. 139)
- Geology Minor (p. 139)

Courses

Geology Courses

See the Financial Information (p. 464) section of this catalog for course fees.

GEOL 201. Exploring the Dynamic Earth - Field. (4 Credits)
Introduction to geoscience in the field, focus on geological history of the SD Black Hills through on-site study of rocks, minerals, fossils, and earth processes as seen in rock strata, folds, faults, mountains, mines and other human impacts on the environment. Emphasis on field excursions and data collection procedures (topographic and geologic maps, sample collection, and feature interpretations). "Indoor" lab work supports the fieldwork. Field trip fee. Offered only at the Science Station. Three hours lecture, three hours laboratory.
Tags: SP

GEOL 211. Exploring the Dynamic Earth. (4 Credits)
Introduction to the physical properties and processes of the Earth with special emphases on the current practice of geology and its significant contributions to humans and the environment. Topics are presented in the plate tectonic framework to include minerals and rocks, igneous activity, earthquakes, rivers, ground water, glaciers, and energy and mineral resources. Field trip fee. Three hours lecture, two hours laboratory.
Tags: SP

GEOL 212. Dynamic Earth and Environment. (4 Credits)
Introduction to the processes, cycles and systems of earth and environment. Special emphasis on human dependence upon earth's physical properties and processes and the environmental impacts of human activity. Plate tectonics and environmental systems provide frameworks for understanding earth materials and structures, global change, natural hazards (volcanoes, earthquakes, floods), water resources (surface and ground water, glaciers), biological/agricultural resources, energy and mineral resources, and associated environmental hazards. Explorations of biblical creation accounts and environmental stewardship relevant to course topics. Three hours lecture and two hours laboratory. Field trip fee.
Tags: SP

GEOL 232. Environmental Geochemistry. (4 Credits)
Solutions; kinetics; chemical equilibrium; acid/base chemistry; carbonate chemistry; oxidation/reduction chemistry; carbon, nitrogen, phosphorous and sulfur cycles; surface chemistry; atmospheric chemistry; chemical weathering and soils; environmental mineralogy; diagenesis; organic geochemistry; radiogenic isotopes; stable isotopes. Three lectures, three hours laboratory. Prerequisites: GEOL 201 or GEOL 212 or ENVR 212; and CHEM 231.

GEOL 307. Water: the Essential Natural Resource. (4 Credits)
An overview of our most important natural resource - water. Topics include occurrence, chemistry, physiological requirement for water, effects upon past and present civilizations, surface and groundwater flow, global water supply, water pollution, water exploration and extraction.
Tags: SIP

GEOL 308. Energy & Climate Change. (4 Credits)
Human use of energy and its predicted impact upon climate change. Review of the past and present use of global fossil fuel consumption as a possible cause of climate change. Study of past climate change since the ice age, present climate, basic meteorology, and future predictions of climate change forced by energy use and the resulting impact upon civilization. Arguments for and against global warming are evaluated with analysis through the science of climate change. Concludes with consideration of alternate energy sources to mitigate any effects of climate change.
Tags: SIP

GEOL 321. Earth History and Stratigraphy. (4 Credits)
Basic principles of interpreting Earth history: geologic time, stratigraphic analysis, reconstructing past environments. Actualism, catastrophism and engagement with Christian theology in the historical development of geology. Overview of Earth history including origin of Earth-Moon, history of life, stratigraphic record and tectonic activity. Field trip fee and lab fee. Three hours lecture, two hours laboratory.
Tags: SIP

GEOL 332. Studies In Regional Geology. (1 or 2 Credits)
Geologic study in the field of a selected region during an excursion over spring vacation or in May following commencement. Learning emphasis is on structural and stratigraphic framework, interpretation of geologic history, and natural resources of the region. Assignments include background readings, participation in discussions in the field, and preparation of field notes. (Field trip fee varies by destination.) Prerequisite: GEOL 201, 211, or consent of instructor. (1 or 2, repeatable for a max. of 4)
GEOL 336. Process Geomorphology. (4 Credits)
The study of earth surface processes and the landforms they produce in the context of engineering and environmental applications. Topics include processes and landforms associated with: weathering, mass wasting, rivers, karst, neotectonics, glaciers, shorelines, and wind. Individual project and laboratory assignments required, including qualitative descriptions and quantitative measurements from topographic and geologic maps, and aerial photographs. Three hours lecture, three hours laboratory. Field trip fee and lab fee. Prerequisite: GEOL 201, 211, or consent of instructor. Alternate years.

GEOL 341. Quantitative Methods for Environmental Analysis and Problem Solving. (4 Credits)
Three hours lecture, two hours laboratory. See ENVR 341.
Tags: AAQR

GEOL 342. Fundamentals of Geochemistry. (2 Credits)
Principles and applications of Earth's chemical systems. Topics include low (aqueous) and higher temperature phenomena, crystal chemistry, trace-element distribution, isotopic and applied geochemical methods. Three hours lecture and two hours laboratory per week. Prerequisites: one introductory geology class (such as GEOL 201 or 211) and one semester of a chemistry lab class is recommended.

GEOL 343. Fundamentals of Mineral Science. (2 Credits)
A brief survey of theory and applications in mineralogy. Emphasis is on chemical classification, modes of occurrence, modern techniques of mineral identification, and utility. Three hours lecture and two hours laboratory per week. Prerequisites: GEOL 201 or 211. Alternate years.

GEOL 344. Igneous and Metamorphic Petrology. (4 Credits)
The study of igneous and metamorphic rocks along with related topics in high-temperature geochemistry. Lecture sessions present petrogenesis and classification within the context of different plate tectonic settings. The emphasis is on topics such as magmatic melting and crystallization processes; the role of temperature, pressure, and fluids; thermodynamics; and isolate and trace element geochemistry. Laboratory projects include the identification and observation of rock types and their variation, quantitative use of thermodynamics and geochronology, and the significance of rock fabrics as observed in hand specimen and thin section. Three hours lecture, two hours laboratory. Field trip fee and lab fee. Prerequisites: GEOL 201 or 212, and GEOL 343; GEOL 232 recommended.

GEOL 345. Sedimentary Geology. (2 Credits)
Description and interpretation of sedimentary rocks with emphasis on field content. Topics include classifications, sediment provenance, application of depositional facies models, diagenesis, basin analysis, and natural resources. Methods include field techniques and petrographic analysis of thin sections. Offered only at Wheaton College Science Station in the Black Hills. Prerequisites: GEOL 201, 211, or 212 or ENVR 212; and GEOL 321. Alternate years, SU. Three hours lecture, two hours laboratory.

GEOL 355. Introduction to Soil Science. (2 Credits)
Basic survey including the origin and properties of soils, their classification and applications to agriculture, third world development, engineering, environmental issues. Laboratory and field experiences will provide opportunities to observe soil profiles and measure physical properties. Three hours lecture and two hours laboratory. Field trip fee and lab fee. Alternate years.

GEOL 365. Physics of the Earth. (2 Credits)
Principles and applications of geophysics related to the study of the Earth's deep interior and geophysical prospecting. Topics include earthquake seismology, Earth's gravity, shape, magnetism, paleomagnetism, heat flow, temperature, and geodynamics. Also applied methods of seismic reflection and refraction, gravimetry, magnetism, electromagnetism, and resistivity. Three hours lecture, two hours laboratory. Prerequisite: one four-hour physics laboratory course or permission of instructor. Alternate years. Lab fee.

GEOL 371. Introduction to Geographic Information Systems. (2 Credits)
The hardware and software technology of GIS programs. Basic concepts of spatial data collection, storage, processing, and interpretation, combined with remote sensing. Uses the popular GIS software ArcGIS. Three hours lecture, two hours laboratory. Lab fee.

GEOL 372. GIS Practicum. (2 Credits)
Application of GIS methods to student-designed projects. Hardware and software expertise derived from GEOL 371 (prerequisite). Two hours directed research, one hour discussion per week.

GEOL 385. Topics in Earth Science. (2 or 4 Credits)
Selected topics from the following: economic geology, appropriate technologies, tectonics, and regional studies. Lectures or lecture/laboratory. Prerequisite: GEOL 201, or 211.

GEOL 395. Geoscience Research. (1 or 2 Credits)
Directed research, one hour discussion per week.

GEOL 373. Geophysical Methods. (2 Credits)
Basic processes and measurement of the hydrologic cycle, including: precipitation, evaporation, surface runoff, stream flow, soil moisture, and groundwater. Emphasis placed on groundwater, including: geology of occurrence, principles of flow, conceptual models of regional flow, chemistry and quality, well hydraulics, aquifer characteristics, resource development, detection of pollutants, and contaminant transport. Three hours lecture, three hours laboratory. Field trip fee and lab fee. Prerequisite: GEOL 443 or consent of instructor. Corequisite: must be taken with GEOL 413. Alternate years. Su

GEOL 412. Field Geology. (6 Credits)
The comprehensive exercise of geological field techniques and interpretation in the context of western South Dakota and the Rockies. Projects involve the preparation of maps and reports from diverse areas and of varying complexity. Offered only at the Science Station. Field trip fee and lab fee. Three hours lecture, four hours laboratory (field activity). Prerequisite: GEOL 443 or consent of instructor. Corequisite: must be taken with GEOL 413. Alternate years.

GEOL 413. Rocky Mountain Geology. (2 Credits)
Field geological study in the northern Rocky Mountains of South Dakota, Montana, and Wyoming. Observation of rock, strata, and structures in classic localities, including Black Hills, Devil's Tower, Big Horn and Bear Tooth Mountains, and Yellowstone and Grand Teton National Parks. Field trip fee. Corequisite: must be taken with GEOL 412. Alternate years.

GEOL 437. Hydrogeology. (4 Credits)
Basic processes and measurement of the hydrologic cycle, including: precipitation, evaporation, surface runoff, stream flow, soil moisture, and groundwater. Emphasis placed on groundwater, including: geology of occurrence, principles of flow, conceptual models of regional flow, chemistry and quality, well hydraulics, aquifer characteristics, resource development, detection of pollutants, and contaminant transport. Three hours lecture, three hours laboratory. Field trip fee and lab fee. Prerequisite: GEOL 201, 211, or consent of instructor. Alternate years.

GEOL 443. Structural Geology. (4 Credits)
Architecture of the dynamic earth. Earth movement and deformation in the context of plate tectonics. Laboratory simulation of stress and strain, study of deformed rocks, and interpretation of geologic maps; measurements and computations. Three hours lecture, three hours laboratory. Field trip fee and lab fee. Pre/Corequisite: GEOL 201 or 211. Alternate years.
**GEOL 494. Senior Capstone Seminar for Geology Majors. (2 Credits)**
Integration seminar for seniors or for juniors who have completed most geology requirements. Reading and discussion of history and philosophy of geological science and critical reflection of student's experience in Christian liberal arts education, understanding of vocation and ethical considerations of practice. Prerequisite: Completion of 16 credit hrs of GEOL courses.

**GEOL 495. Geoscience Independent Study. (2 to 4 Credits)**
Field, laboratory or library research involving selection of a research problem, review of appropriate professional literature, completion of data collection and analysis, and preparation of a written report. Student will be encouraged to present results in an appropriate professional venue. Requires direct supervision and mentoring by geoscience faculty. Prerequisites: consent of instructor and department chair.

**GEOL 496. Internship. (1 to 4 Credits)**
Supervised off-campus experience with departmental approval. Graded pass/fail. Prerequisite: junior or senior standing with Geology or Environmental Studies major. (credit variable)

*Note: GEOL 307 and GEOL 308 credit not applicable for Geology majors.*

## Geology, Bachelor of Science

### Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education and graduation requirements under a single catalog.

The Bachelor of Science option requires a total of 52 credits, 40 credits in geology and 12 credits of supporting courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Major Requirements</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEOL 212</td>
<td>Dynamic Earth and Environment</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 232</td>
<td>Environmental Geochemistry</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 321</td>
<td>Earth History and Stratigraphy</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 336</td>
<td>Process Geomorphology</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 343</td>
<td>Fundamentals of Mineral Science</td>
<td>2</td>
</tr>
<tr>
<td>GEOL 344</td>
<td>Igneous and Metamorphic Petrology</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 345</td>
<td>Sedimentary Geology</td>
<td>2</td>
</tr>
<tr>
<td>GEOL 412</td>
<td>Field Geology (or equivalent summer field experience)</td>
<td>6</td>
</tr>
<tr>
<td>GEOL 443</td>
<td>Structural Geology</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 494</td>
<td>Senior Capstone Seminar for Geology Majors</td>
<td>2</td>
</tr>
</tbody>
</table>

**Electives**: Select four elective credits in geology

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 332</td>
<td>Studies In Regional Geology</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 341</td>
<td>Quantitative Methods for Environmental Analysis and Problem Solving</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 355</td>
<td>Introduction to Soil Science</td>
<td></td>
</tr>
<tr>
<td>GEOL 371</td>
<td>Introduction to Geographic Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 372</td>
<td>GIS Practicum</td>
<td></td>
</tr>
<tr>
<td>GEOL 385</td>
<td>Topics in Earth Science (Climate Change, Petroleum Geology)</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Credits 40

**Required Supporting Courses**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 231</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 221</td>
<td>General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 231</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>or MATH 221</td>
<td>Applied Calculus</td>
<td>4</td>
</tr>
</tbody>
</table>

**Recommended Supporting Courses**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 222</td>
<td>General Physics II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 232</td>
<td>Calculus II</td>
<td>4</td>
</tr>
</tbody>
</table>

## Geology, Bachelor of Arts

### Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

The Bachelor of Arts option requires a total of 44 credits, 36 credits in geology and 8 credits of supporting courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Major Requirements</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEOL 212</td>
<td>Dynamic Earth and Environment</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 232</td>
<td>Environmental Geochemistry</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 321</td>
<td>Earth History and Stratigraphy</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 336</td>
<td>Process Geomorphology</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 343</td>
<td>Fundamentals of Mineral Science</td>
<td>2</td>
</tr>
<tr>
<td>GEOL 344</td>
<td>Igneous and Metamorphic Petrology</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 345</td>
<td>Sedimentary Geology</td>
<td>2</td>
</tr>
<tr>
<td>GEOL 443</td>
<td>Structural Geology</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 412</td>
<td>Field Geology (or equivalent summer field experience)</td>
<td>6</td>
</tr>
<tr>
<td>GEOL 494</td>
<td>Senior Capstone Seminar for Geology Majors</td>
<td>2</td>
</tr>
</tbody>
</table>

Total Credits 36

**Electives**: Select four elective credits in geology

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 332</td>
<td>Studies In Regional Geology</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 341</td>
<td>Quantitative Methods for Environmental Analysis and Problem Solving</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 355</td>
<td>Introduction to Soil Science</td>
<td></td>
</tr>
<tr>
<td>GEOL 371</td>
<td>Introduction to Geographic Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 372</td>
<td>GIS Practicum</td>
<td></td>
</tr>
<tr>
<td>GEOL 385</td>
<td>Topics in Earth Science (Climate Change, Petroleum Geology)</td>
<td>4</td>
</tr>
</tbody>
</table>

**Required Supporting Courses**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 231</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>ENVR 341</td>
<td>Quantitative Methods for Environmental Analysis and Problem Solving</td>
<td>4</td>
</tr>
<tr>
<td>or GEOL 341</td>
<td>Quantitative Methods for Environmental Analysis and Problem Solving</td>
<td>4</td>
</tr>
<tr>
<td>MATH 263</td>
<td>Introduction to Statistics</td>
<td>4</td>
</tr>
<tr>
<td>B EC 321</td>
<td>Statistics (or equivalent)</td>
<td>4</td>
</tr>
</tbody>
</table>
Geology Major with Secondary Education Teacher Licensure

Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

The Secondary Education Teacher Licensure option leads to a double major in Secondary Education and Geology. Requirements are as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Major Requirements</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bachelor of Arts in Geology coursework (p. 138)</td>
<td>32</td>
</tr>
<tr>
<td></td>
<td><strong>Supporting Courses</strong></td>
<td></td>
</tr>
<tr>
<td>MATH 221</td>
<td>Applied Calculus</td>
<td>4</td>
</tr>
<tr>
<td>or MATH 231</td>
<td>Calculus I</td>
<td></td>
</tr>
<tr>
<td>CHEM 231</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 221</td>
<td>General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 201</td>
<td>Contemporary Topics in Biology</td>
<td>4</td>
</tr>
<tr>
<td>SCI 321</td>
<td>Science for Middle and High School Teachers</td>
<td>2</td>
</tr>
<tr>
<td>SCI 325</td>
<td>Methods of Teaching Middle Grade Science</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Education Courses as required by the Education Department</td>
<td></td>
</tr>
</tbody>
</table>

Those interested in pursuing an Accelerated Masters in Teaching (MAT) as an undergraduate can complete either the Geology Education track of courses listed above OR the Geology BS major track with the addition of supporting courses listed above. Either track of Geology coursework may be chosen to meet the MAT requirement but a hybrid of Geology courses between the two tracks cannot. All Education coursework remains the same regardless of what track is chosen. See the Education section (p. 325) in this catalog.

Geology Minor

Requirements

Requirements for a minor in Geology are 20 hours in geology, including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 201</td>
<td>Exploring the Dynamic Earth - Field</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 211</td>
<td>Exploring the Dynamic Earth</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 321</td>
<td>Earth History and Stratigraphy</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td><strong>Electives</strong></td>
<td></td>
</tr>
<tr>
<td>Select 8 credits</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td></td>
<td><strong>Total Credits</strong></td>
<td>20</td>
</tr>
</tbody>
</table>

Chemistry or Physics majors who take a Geology minor should include GEOL 342 Fundamentals of Geochemistry or GEOL 365 Physics of the Earth, respectively.
Global Programs and Studies

Global Programs and Studies provides students many opportunities to earn academic credit in off-campus domestic, cross-cultural and international contexts. These programs allow students to extend their learning beyond the classroom and the campus community. They include internships, practica, research opportunities, and study abroad programs among many options. Many of these are in international locations. Others are in the United States and are also able to broaden one’s global and cross-cultural perspective. Whether in a domestic or international context, both types of experiences integrate the classroom and daily life in unique ways that create a rich learning environment with exposure to environments, peoples, and resources not available on campus. Each program maintains the standards of excellence in the College’s liberal arts curriculum. Most programs involve on-campus preparation for field experiences prior to entering the off-campus program. Students interested in these programs are encouraged to inquire about them early in their academic planning to ensure timely involvement and appropriate academic credit. Many semester study abroad programs also provide internship opportunities. Current listings of study abroad and other off-campus programs can be found at: https://www.wheaton.edu/academics/global-programs-and-studies. Refer to departmental course listings to identify internship, practicum, and other field experience courses such as HNGR, HoneyRock, Urban Studies, “Wheaton in”, as well as partnerships with over seventy approved program providers.

Faculty
Dean, Laura Montgomery
Director of Study Abroad, Deb Kim
Practicum Supervisor and Instructor, TBD

Courses

Global Programs and Studies Courses

GEL 211. Vocation Practicum. (2 to 4 Credits)
Students who wish to receive academic credit for an internship or practicum experience not offered through the major or minor department may receive such credit through GEL 211. This course requires prior approval of the Practicum Instructor in the Center for Global and Experiential Learning and participation in a seminar alongside or after the practicum experience. Students may register for the practicum and keep the course in-progress while taking the seminar the semester after the experience (this also allows students to reach the required clock-hours for the practicum within two semesters if needed). Students must complete 40 hours of work experience for each credit earned and must attend the seminar course which meets 7 times during the semester. The course focuses on Christian understandings of vocation and calling, fosters self-reflection on the work experience, and facilitates assessment of work-related skills. The credit earned will count as elective credit towards graduation; it will not count toward a major, minor, or certificate unless it is approved in advance by the appropriate academic department. No more than 12 practicum or internship credits in total may be counted towards graduation requirements. Students must have completed at least two semesters on-campus or at another college or university to enroll.

GEL 231. Orientation to Study Abroad. (2 Credits)
This course serves as the orientation seminar for students planning to study abroad or in other cross-cultural contexts. The course focuses on developing attitudes, knowledge, and skills related to the intercultural competency in order to prepare students to maximize learning during the semester abroad and to engage others in any cross-cultural or diverse context in a meaningful and respectful manner. Students are encouraged to take this course in the B quad before their semester abroad. (The course is required for Wheaton in Mexico program participants.) When taken in combination with GEL 232 Re-Entry Seminar, after the semester abroad or off-campus cross-cultural study experience, the course meets the Global Perspectives thematic core.

GEL 232. Study Abroad Re-Entry Seminar. (2 Credits)
Designed for students who have returned from study abroad or other off-campus study in cross-cultural contexts. Students are encouraged to enroll in the course in the A Quad after return to campus. Building on work completed in GEL 231 Orientation to Study Abroad, and the off-campus experience, it provides the opportunity to identify, pursue, and explore new and/or unanswered cultural and theological questions and to revisit and refine previous work. The course also facilitates the re-entry process and provides a forum for direct contribution to the globalization of the campus community. When this course is completed in combination with GEL 231, it fulfills the Global Perspectives thematic core. Prerequisite: GEL 231.

GEL 301. Survey of Mexican Art. (2 Credits)
This critical survey of Mexican art explores a variety of art forms, genres, and representative pieces while introducing students to elements of creativity as well as cultivating skills and visual sensitivities to enhance active engagement with works of art. In addition to readings, students interact directly with works from diverse periods of human history, from Pre-Columbian times to the present, in the city of Querétaro and during academic excursions in other parts of the country. Students also create artwork during the course and articulate thoughtful Christian reflections on specific works. Concurrent studies of Mexican society, cultures, language and history help students interpret works in context. The course is taught in Spanish during the WIM program and includes academic excursions that allow students engage works of art in context. Prerequisite: SPAN 201 or equivalent. Corequisite: enrollment in Wheaton in Mexico.

Tags: VPAV

GEL 302. Exploring Mexican History. (4 Credits)
This required course explores the complexities of Mexican history from Pre-Columbian times to the present. Students critically analyze primary and secondary sources in both Spanish and English to interpret past events using sound historical reasoning. Students learn to discern and articulate connections between Christian faith and practice and the investigation of historical events. The course is taught in Spanish during the Wheaton in Mexico program and includes academic excursions that allow students to engage significant places and reflect on contemporary interpretations of historical events. Prerequisite: SPAN 201. Corequisite: enrollment in Wheaton in Mexico.

Tags: HP
GEL 321. Engaging Mexican Cultures. (4 Credits)
This seminar is required during Wheaton in Mexico's semester abroad. It builds on themes covered in GEL 231 Orientation to Study Abroad (section for WIM) allowing participants to further develop and apply the knowledge, concepts and skills of intercultural competency. In particular, students employ the concept of culture and engage in participant observation and ethnographic interviewing to explore multiple dimensions of Mexican culture. It serves to integrate the materials learned in other classes taken during the semester and to facilitate the process of cultural adaptation. Prerequisite: GEL 231 (section for Wheaton in Mexico). Corequisite: enrollment in Wheaton in Mexico.
Tags: SI
History

The History Department introduces students to the joys and challenges of studying the past in such a way that they may better understand themselves, their own cultures, and the broader world. In line with the purposes of Wheaton College and informed by the truths and values of the Christian faith, the department is committed to the study of history as a foundational liberal arts discipline, worthwhile for its own sake and as a means of preparing students for a wide range of vocational pursuits. Teaching, research, and other scholarly activities in the department focus on the understanding and interpretation of historical eras and persons, not mere facts and details. The department is convinced that proper appreciation of the past in its political, social, and religious contexts significantly contributes to an individual’s understanding of contemporary events and his or her own faith.

The History major is useful for a wide variety of careers, including law, business, journalism, Christian ministries, government service, and teaching. It also prepares students for graduate study in history, as well as in museum, library, and archival studies. In addition to regular course offerings, study abroad programs, and internships are available.

Department Honors are granted upon the successful completion of a senior thesis through enrollment in HIST 498 Honors Tutorial and HIST 499 Honors Thesis. Guidelines for History Department Honors are available in the History Department office or in the Handbook on the department web site www.wheaton.edu/History (http://www.wheaton.edu/History).

Transfer or AP credit in U.S. history, European history and/or World history can be used as elective credit toward the history major. For non-majors, AP credit can be used as elective credit toward total credit hours needed for graduation. A score of 4 or 5 in AP World History satisfies the general education requirement in historical perspectives.

For information on the Master of Arts in Teaching (M.A.T.), please consult the Education Department (p. 325) portion of this catalog.

Refer to the Graduate Programs (p. 279) section of this catalog for courses in the History of Christianity which apply to a Master of Arts degree in Biblical and Theological Studies.

Faculty
Chair, Associate Professor Melissa Franklin-Harkrider
Professor R. Tracy McKenzie
Associate Professors Matthew Lundin, Karen Johnson
Assistant Professors Kurt Farney, Hanmee Kim, Sarah Miglio, Jonathan Riddle, Noel Stringham

Programs
• History Major (p. 146)
• History/Social Science Major (p. 146)
• History Minor (p. 146)

Courses

History Courses

HIST 102. Exploring the Global Past. (4 Credits)
History 102 seminars encourage students to examine cross cultural interactions through a focus on a particular historical question, period, or event. Students choose from a diverse range of courses such as Medieval Faith: Jews, Christian and Muslims in the Middle Ages; The French and Haitian Revolutions; Middle Ground: Africans, Europeans, and Natives in the Atlantic World; Exploring the Korean War, etc. History 102 seminars emphasize the development of historical thinking and Christian perspectives in the study of the past.
Tags: GP; HP

HIST 103. Exploring the American Past. (4 Credits)
An introduction to the discipline of history that equips students for lifelong learning by helping them to understand why Christians value study of the past and by giving them the tools to investigate it. The course provides an in-depth exploration of a critical period, concept, source, or event in U.S. History, analyzed within an explicitly comparative or cross-cultural framework. Students will engage in robust study of cultural and geographic diversity from historical and theological frameworks and will be encouraged to reflect on their own cultural and historical contexts as well. Students will learn to appreciate historical knowledge, engage in historical reasoning, develop historical consciousness, and practice historical reflection. In certain sections of HIST 103, a nominal course fee may be applied.
Tags: DUS, HP

HIST 105. World History. (4 Credits)
A survey of world history in Christian perspective from c. 1500 to the present. This course provides the chronological, geographical, and cultural breadth that serves as a contextualizing vehicle for the liberal arts. Attention given to moral issues of history.

HIST 111. World History, Ancient to Modern. (4 Credits)
Single semester survey of world history from the ancient period to the present. Examines the political, religious, and social developments that forged the modern world. Specifically addresses licensure requirements for secondary education. Required for History/Social Science majors. Recommended for elementary education majors.

HIST 115. World Civilization To 1600. (4 Credits)
A study of the ancient Middle Eastern, Mediterranean, and European roots of modern Western civilization through the Renaissance/Reformation era. Some attention given to contemporaneous developments in Asia. Emphasis is directed towards the identification of the intellectual foundations of the Western traditions in a comparative perspective.

HIST 131. Topics In World History. (2 Credits)
Through a biographical approach, investigates selected themes in world history in light of liberal arts and Christian thought and values. Not open to students who have completed HIST 105, 111, or 115.

HIST 201. Why History?. (4 Credits)
This course provides history majors with a robust study of historical thinking and its relationship to our different vocational callings as Christians. Students will examine a range of primary and secondary sources and develop analytical, research, and communication skills integral to the major and a Christian liberal arts education.
Tags: HP
HIST 231. History in Africa Before 1850. (4 Credits)
This course introduces the history of Africa from the innovation of early human communities across continent (from the Great Pyramids in Northeast Africa to the Khoi-San foragers of South Africa’s Western Cape) until the beginnings of European colonization in the mid-nineteenth century. We will emphasize the diverse social, economic and political strategies that Africans innovated and developed to engage in ever-widening contexts that often stretched beyond the continent.

HIST 232. History in Africa Since 1850. (4 Credits)
This course privileges the voices of African writers, artists, historians, musicians, and other local witnesses who described how they have overcome the challenges of living in modern Africa from human trafficking across the Atlantic and Indian Oceans (and the Sahara) through colonial conquest, genocide, and civil war. In particular the course will explore the political and economic institutions established during and after colonialism, new religious and cultural movements (including African interpretations of Christianity and Islam), the legacy of racism, and the politics of gender on the continent.

HIST 251. American History to 1865. (4 Credits)
A general survey of the history of the United States from the colonial period through the American Civil War, with special emphasis on engagement of primary documents. Rejecting the view of history as an endless succession of discrete events, the course pays special attention to the predominant belief systems of Americans during two-and-a-half centuries, focusing in particular on the concepts of republican and democracy, as well as Americans’ contested understandings of human nature, human rights, and human freedom.

HIST 252. American History from 1865. (4 Credits)
A general survey of the history of the United States from the Civil War to the present, with special emphasis on using primary documents. Students will debate the merits of the different interpretations for historical events, evaluate the ways historians construct their stories, and discuss the significance of those stories. Major course themes include the United States’ engagement with other countries, labor activism and class relations, politics, race, gender and religion.

HIST 291. Introduction to Modern East Asia. (4 Credits)
This course examines the main historical events, developments, issues, and patterns of change in Chinese, Japanese, and Korean histories from the late 19th centuries to the 1990’s. The course is organized both chronologically and thematically, and incorporates both primary and secondary sources to present a more comprehensive view of the various developments in East Asian history. The course is divided into seven larger topics, and in each section, we will discuss how the given topic played out in China, Japan, and Korea, respectively.

HIST 292. Latin American History. (4 Credits)
Latin American History. A survey of the history and cultural development of Central, South, and Caribbean America with emphasis on the era since 1500. Includes analysis of the impact of the European/indigenous encounter, of U.S./Latin American relations, and of the challenges of modernization.

HIST 295. Introduction to Historical Inquiry. (2 Credits)
Introduction to principles and strategies of historical scholarship. Attention given to historical thinking, literacy, research, and communication skills. Useful for non-majors. Required of majors and minors.

HIST 305. Introduction to the History of Christianity. (2 Credits)
A summary introduction to the history of Christianity designed to provide a rapid, but comprehensive overview to assist students who seek a basic understanding of the history of Christianity as background for other fields of study. Counts toward the history of Christianity requirement for the major. Not open to students who have completed BITH 577 in previous years.

HIST 311. History of Philosophy: Ancient & Medieval. (4 Credits)
Ancient and medieval philosophers often worked to cultivate a deep sense of gratitude for that which they had inherited and out of which they built, while also being creative thinkers in their own rights. This course looks at a few of the major thinkers and texts from the nearly 2000 year period stretching from the beginnings of Western philosophy in 585 BC to the opening years of the European Renaissance. It traces common problems and themes that receive ongoing attention throughout this period, such as: the problems of the one and the many, the nature of the cosmos, the existence of God, the relationship between faith and reason, the problem of universals, the nature of the soul, and others. Prerequisite: PI course or permission of instructor.

HIST 312. History of Philosophy: Modern & Contemporary. (4 Credits)
This course, like PHIL 311, is dedicated to an overview of Western philosophy. In this semester, we look at modern and contemporary philosophy, beginning with the Renaissance rejection of scholasticism, moving through 17th and 18th century rationalists and empiricist, the Kantian synthesis, 19th century responses to Kant, and several major 20th century schools, including phenomenology, logical positivism, analytic philosophy, and pragmatism. Prerequisite: PI course or permission of instructor.

HIST 324. High School History/Social Science Methods. (2 Credits)
An introduction to methods of teaching high school history/social science students, including units on classroom management, lesson planning, assessment, individual differences, learning resources, educational technology, and teaching strategies appropriate to history/social science classrooms. Prerequisites: EDUC 135, 136, 136L, 225, 225L and admission to the Wheaton Teacher Education Program (WheTEP).

HIST 325. Middle Grade History/Social Science Methods. (2 Credits)

HIST 331. African History. (4 Credits)
Cultures and National Identity in African History. Focuses on the development of select African societies from their early institutional and cultural traditions to the present with emphasis on the themes of the impact of Islam, European colonial influences, national independence movements, and contemporary African society.
HIST 335. The Construction of Modern Japan, 1800-1960. (4 Credits)
The 1868 Meiji Restoration occupies a central place in Japanese history with many marking it as the turning point for the rise of modern Japan. Citing shifts such as one from a feudal system with shoguns and samurai to an imperial Japan, scholars narrate Meiji Japan as being filled with radical breaks from the past. The questions arise, what were some of these significant changes that seemed to be breaks from the past, and that constituted the "modern" in Japan? To what degree was the Restoration a break from the Tokugawa period and to what degree was it a continuation of economic and social trends of late-Tokugawa Japan? Did the changes and continuities embodied in Meiji Japan play into the development of Japan's imperial era and road to World War II? This course explores these questions through a study of Japan from 1868 to 1960.

Tags: GP

HIST 336. Modern Korea. (4 Credits)
This course will examine the historical development of modern Korea, and thus explore the major historical events, themes, and issues in the Korean peninsula from the late-19th century to their ramifications in contemporary times. In doing so, the course will pay attention to local dynamics that shaped Korea's modernity, nationalism, colonization, division, industrialization, democratization, and shifting positions in East Asia and the world. Using both primary and secondary sources, the course will attempt to take a more comprehensive view of this story that includes approaching the development of modern Korea politically, economically, socially, as well as culturally. The course will also focus on issues of historiography in Korean history. HIST 291 is recommended but not required.

Tags: GP

HIST 341. Ancient History: The Rise and Fall of Empires. (4 Credits)
Examines the political, economic, social, and cultural development of the Near East and Mediterranean from the first civilizations in the third millennium B.C. to the collapse of the Roman Empire in the fifth century A.D. The course covers the First Age of Empires in the Ancient Near East as well as the Greek and Roman worlds.

HIST 342. Statecraft and International Relations in the Ancient Near East. (4 Credits)
See ARCH 365.

Tags: HP SI

HIST 345. Medieval Europe to 1300. (4 Credits)
Analyses the political, social, economic, and religious foundations of Europe from the Early to the High Middle Ages. Topics include: the collapse of the Roman Empire, Barbarian invasions, rise of Islam, Byzantine Empire, kingship and authority, and the development of Christianity.

HIST 346. Renaissance Europe (1300-1600). (4 Credits)
Examines the political, social, and religious developments that created modern Europe. Topics include: the emergence of international power politics, the rise of humanism, Renaissance art, and cross-cultural encounters between Europeans and peoples of Africa, Asia, and the Americas.

HIST 347. Men, Women, and Society in Early Modern Europe. (4 Credits)
Examines the cultural, political, social, and religious developments that shaped men's and women's lives from 1300 to 1650. Topics include: family life, courtship and marriage, the emergence of the Renaissance state and its intervention in family life, and the impact of religious change on men and women. Particular attention is given to how this period shaped modern theological and cultural assumptions about men, women, and family structure.

HIST 348. Revolutionary Europe (1789-1870). (4 Credits)
Focuses on enlightened absolutism, the revolutions of 1789 and 1848, the social consequences of industrialization, and mid-nineteenth century foreign relations. Emphasis on France and Germany. 

HIST 349. Origins of Contemporary Europe (1870-1950). (4 Credits)
Analysis of socioeconomic, political, and cultural foundations of twentieth-century Europe, and the causes and impact of both world wars.

HIST 353. American Cities & Suburbs. (4 Credits)
This course explores the history of American cities and suburbs, paying attention to questions like: What is the story of unity, disunity, exclusion and inclusion? What has "community" looked like over time in suburban and urban history? How has "community" changed?

Tags: DUS

HIST 355. History of Women in the U.S.. (4 Credits)
Analysis of the social, cultural, and political aspects of women's history from the colonial period to the present, with particular emphasis on the nineteenth and twentieth centuries and on women's religious experiences and contributions.

HIST 356. The American Revolution. (4 Credits)
An exploration of the founding of the United States as a nation that analyzes the causes, course, and consequences of the revolt against British colonial rule between 1763 and 1788. The course asks how both elite and common Americans participated in the Revolution, what the Revolution meant to them, and how the Revolution affected their lives. It accords particular attention to the role of Christians in the conflict, and concludes by contemplating the legacy of the Revolution to the contemporary United States.

HIST 357. The American Civil War. (4 Credits)
This course explores the causes, course, and consequences of the American Civil War, a bloody "ordeal by fire" in which Americans fought Americans to determine the nature of the Union, the definition of democracy, and the meaning of freedom. Course readings and assignments focus on the experiences and values of common Americans - Northern and Southern, male and female, free and enslaved - with particular emphasis on the war's larger meaning to posterity.

HIST 361. The Global Cold War. (4 Credits)
An analysis of the dramatic political and social changes emerging in the Cold War period which have shaped the whole world since 1945. The focus is on such issues as the rise of the nuclear age, postwar human rights, the arms race and détente, space race, Middle East crises, technological impacts, decolonization and the emergence of the developing world, and the fall of European communism. Also included is the role of prominent Christians and the Church during the post-World War II era. Satisfies the world history requirement for the history major.

HIST 362. Topics in Traditional Asian History. (2 or 4 Credits)
Course material centers on the cultural development of traditional society in the locations visited each year during the May-in-Asia program. Course will vary each year based on sites visited. Su

HIST 363. Topics in Continuity and Change in Modern Asia. (2 or 4 Credits)
An analysis of continuity and change in Asian society in the nineteenth and twentieth centuries specifically related to the locations visited each year during the May-in-Asia program. Course will vary each year based on sites visited. Su

Tags: DUS
HIST 364. East Africa and the Indian Ocean Region. (4 Credits)
This course analyzes the development and interaction of the many cultures which compose the Indian Ocean region. The fascinating site for our study is the multi-cultural East African island of Zanzibar which has been instrumental over many centuries in the history of the region and where there is a combination of African, Arab, Persian, Indian, Chinese, and European cultures. This course will study such themes as the origins of Swahili civilization, the Indian Ocean trading system, impact of Arab and Islamic civilization, European colonialism, the slave and ivory trade, African independence movements, Christian influences, and political and economic conditions in contemporary Africa by a mixture of course lectures, outside lectures, cultural and historical tours as well as readings from both primary and secondary sources. Offered summers.

HIST 365. Modern Middle East. (4 Credits)
An introduction to the history of the Modern Middle East with emphasis on the region during the nineteenth and twentieth centuries. This course provides a survey of the cultural and political development of the Middle East with special attention to the fate of the Ottoman Empire and the resulting imperial European presence and twentieth-century Middle Eastern struggle for independence and a transition to authentic modernity.

HIST 371. The Enlightenment. (4 Credits)
Explores the European Enlightenment as an intellectual, cultural, and artistic movement. The course analyzes the social, political, economic and religious contexts of the Enlightenment and charts the development of new ideas and approaches to knowledge during the seventeenth and eighteenth centuries. Through a close reading of key Enlightenment texts, the course considers not only the complexities of Europe’s first self-consciously modern age, but also the broader question of what it means to be "modern.”

Tags: PI

HIST 374. Nazi Germany. (4 Credits)
Analyzes the origins and nature of the Nazi ideology and party, as well as the cultural, social and political patterns of the Third Reich of the 1930s. Particular emphasis is given to the Nazi murders during World War II, interpretive issues, and the visual culture of the whole Nazi era.

HIST 377. British History to 1668. (4 Credits)
Analyzes the history of England from the Anglo-Saxon Settlement to the Glorious Revolution. Topics include the development of a unified monarchy, the Norman Conquest, the emergence of representative government, the Reformation, and the English Civil War. Alternate years.

HIST 378. History of Britain Since 1832. (4 Credits)
An analysis of the rise of industrial, urban class society, an examination of higher and popular culture, emphasis on the Victorian era and the early twentieth century. Alternate years.

HIST 382. U.S. Foreign Policy. (4 Credits)
An analysis of the processes and institutions involved in making U.S. foreign policy. Emphasis given to understanding the development of contemporary issues.

HIST 391. Topics in History. (2 or 4 Credits)
Selected areas of historical study as announced.

HIST 451. Topics in American History. (2 or 4 Credits)
Advanced courses in the history of the United States as announced, including ethnic, intellectual, and constitutional history.

HIST 455. American Urban History. (4 Credits)
Examines how urbanization has shaped and directed much of America’s social, cultural, political, and economic development from colonial times to the present. Lecture, discussion, readings from primary sources.

HIST 461. Origins and Consequences of the Pacific War. (4 Credits)
Investigates the origins of the Pacific War using both translated primary documents and secondary scholarly literature. Special attention is paid to the changing international environment and especially the role of the United States, alongside Japanese domestic social, economic, political, military, and intellectual developments. Recommended to upper-level students interested in understanding Japan, twentieth-century East Asian relations, international relations, war, ideology and conflict. Satisfies the world history requirement for the major.

HIST 463. Enlightenment Modernity and Its Discontents. (4 Credits)
Reviews the social, political, economic, and intellectual aspects of the European Enlightenment, explores the process of diffusion of these influences, and then considers the various responses to this phenomena beginning in Europe but extending to various parts of the world. Responses covered may include Muslim, Jewish, Christian, conservative, Marxist, Confucian, postcolonial, and postmodern.

HIST 483. History of Christianity in North America. (4 Credits)
An overview of events, ideas, people, and groups that have helped to shape Christianity in North America from the colonial era to the present (with primary emphasis on Christianity in the U.S.). Meets the history of Christianity requirement for the major.

HIST 489. Colloquium in the History of American Christianity. (2 or 4 Credits)
Special courses in specific aspects or themes of the history of the church in North America. Taught in conjunction with visiting scholars sponsored by the Institute for the Study of American Evangelicals.

HIST 491. Research Seminar. (2 to 4 Credits)
Advanced research in history on varied topics. The course may be taken for credit a second time with a different instructor or topic. Especially designed for students considering graduate school.

HIST 494. Christianity/Historical Study. (4 Credits)
A capstone experience for History majors that debates the implications of Christianity for the meaning and practice of history, and explores the value of faith-informed historical practice to life-long Christian faithfulness. Prerequisites: History major and senior standing or departmental approval.

HIST 495. Independent Study. (1 to 4 Credits)
Individualized program of reading, research, writing, and oral examination, which allows for extensive study in a specific area of interest. Not to be used as a substitute for courses or seminars already covered in the curriculum. Prerequisites: junior or senior standing and approval of department faculty and chair. Intended for majors only. See the online Handbook at the department web page for further information.

HIST 496. Internship. (4 Credits)
Prerequisites: junior or senior standing, minimum of 16 credits in History major completed, and approval of department chair. Graded pass/fail. See the online Handbook at the department web page for further information.

HIST 498. Honors Tutorial. (4 Credits)
Reading and research in selected areas. Prerequisites: Admission to Department Honors program, senior standing. See the online Handbook at the department web page for further information.

HIST 499. Honors Thesis. (4 Credits)
Preparation of senior honors thesis. Not applicable to major requirements.
Geography Courses

GEOG 211. General Geography. (2 Credits)
This course will examine the interrelationships between people and their geographic environments; physical, social, economic, political, demographic, and cultural. Students will be expected to learn basic place names and to understand geographic relationships, concepts, and terms. Required of all students seeking teacher licensure in the social sciences. Does not count as a history course for students pursuing the regular history major.

Social Science Courses

SSCI 321. Elementary and Middle School Curricular Themes in the Social Sciences. (2 Credits)
Focuses on Social Science content (history, economics, political science, sociology, anthropology, and geography) and effective methods for teaching the social sciences in elementary and middle schools. Concurrent with EDUC 311, 311L, 312, 315, 317, 305L, SCI 322. Prerequisites: EDUC 135, 136, 136L, 225, 225L, 305, MATH 125 and admission to WheTEP.

History Major

Requirements
Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for a History major are 36 hours in History, at least twelve of which must be in courses numbered 300 or above:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HIST</td>
<td>Core Requirements</td>
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</tr>
<tr>
<td></td>
<td>Why History? (introduction to the discipline of history normally completed during the freshman or sophomore year)</td>
<td>4</td>
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<tr>
<td>HIST</td>
<td>Christianity/Historical Study (a culminating capstone course normally taken during the senior year)</td>
<td>4</td>
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<tr>
<td></td>
<td>Additional Requirements</td>
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<tr>
<td></td>
<td>Select four credits completed in residence from each of the following categories:</td>
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<tr>
<td></td>
<td>American</td>
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<tr>
<td></td>
<td>European</td>
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<tr>
<td></td>
<td>Non-West (Asia, Africa, Latin America)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>History of Christianity</td>
<td></td>
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<tr>
<td></td>
<td>Electives</td>
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<tr>
<td></td>
<td>Select 12 credits</td>
<td>12</td>
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<tr>
<td></td>
<td>Total Credits</td>
<td>36</td>
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</tbody>
</table>

1 Can also fulfill one of the geographical requirements listed above.

No more than eight hours of cross listed courses may apply to the major. Eight hours of history-related courses from other departments may be substituted for four hours in History with the approval of the History Department Chair.

History/Social Science Major

Requirements
Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for the History/Social Science major (usually a teacher education concentration) are 44 hours, including 34 credits in History and 10 credits in Social Sciences:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Major Requirements</td>
<td></td>
<td></td>
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<tr>
<td>Social Sciences</td>
<td></td>
<td></td>
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<tr>
<td>PSCI 135</td>
<td>American Politics and Government</td>
<td>4</td>
</tr>
<tr>
<td>ECON 211</td>
<td>Principles of Microeconomics</td>
<td>4</td>
</tr>
<tr>
<td>GEOG 211</td>
<td>General Geography</td>
<td>2</td>
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<tr>
<td>History</td>
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<tr>
<td>Core Requirements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIST 201</td>
<td>Why History? (Usually taken during the freshman or sophomore year)</td>
<td>4</td>
</tr>
<tr>
<td>HIST 494</td>
<td>Christianity/Historical Study (capstone seminar)</td>
<td>4</td>
</tr>
<tr>
<td>Teaching Methods</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIST 324</td>
<td>High School History/Social Science Methods</td>
<td>2</td>
</tr>
<tr>
<td>HIST 325</td>
<td>Middle Grade History/Social Science Methods (required for all students seeking high school endorsement)</td>
<td>2</td>
</tr>
<tr>
<td>U.S. History</td>
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<td></td>
</tr>
<tr>
<td>HIST 251</td>
<td>American History to 1865</td>
<td>4</td>
</tr>
<tr>
<td>HIST 252</td>
<td>American History from 1865</td>
<td>4</td>
</tr>
<tr>
<td>World History</td>
<td></td>
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<tr>
<td>HIST 102</td>
<td>Exploring the Global Past (World History section)</td>
<td>4</td>
</tr>
<tr>
<td>Select 4 credits European history</td>
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<tr>
<td>Select 4 credits non-western history from Asia, Africa, or Latin America</td>
<td>4</td>
<td></td>
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<tr>
<td>Noncredit, Self-study</td>
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<tr>
<td>A noncredit, self-study unit of Illinois History &amp; Government (pass/fail).</td>
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<tr>
<td>A noncredit, self-study unit of World History from the ancient period to 1500 (pass/fail).</td>
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</tbody>
</table>

1 At least four credits must be upper division.

In addition, History/Social Science majors seeking teacher licensure must meet requirements listed under the Education Department. Students who have declared the major and later choose not to pursue teacher licensure may continue in the major with the approval of the History Department chair.

History Minor

Requirements
Requirements for a minor in History are 20 hours, including:

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>Code</td>
<td>Title</td>
<td>Credits</td>
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<tr>
<td></td>
<td><strong>Minor Requirements</strong></td>
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<tr>
<td></td>
<td>Select at least four upper-division credits (300-level or above) in two of the following areas:</td>
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<tr>
<td></td>
<td>U.S. History</td>
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<td></td>
<td>European History</td>
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<td></td>
<td>Non-Western (Asian, African, Latin American)</td>
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</tr>
<tr>
<td></td>
<td><strong>Electives</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total Credits</strong></td>
<td>20</td>
</tr>
</tbody>
</table>

Courses cross-listed in History from other departments cannot be applied to the History minor.
Human Needs and Global Resources (HNGR)

The Majority World (often referred to as the Third World or the Global South), comprising substantial portions of Africa, Asia, Eastern Europe, and Latin America, is a region facing monumental challenges, including ecological vulnerability, poverty, hunger, conflict, injustice, and persistent health concerns. At the same time these regions are endowed with substantial human and natural resources that are their hope and future.

Human Needs and Global Resources (HNGR) is an academic certificate program that integrates multidisciplinary coursework, a six-month internship, and whole-person formation through experiential learning. Students live, work, worship, and serve with local communities worldwide, while accompanying host partner organizations that confront poverty, challenge inequity, transform conflict, pursue justice, and seek fullness of life. The program cultivates a life-orienting commitment to justice, intercultural humility, compassion, hospitality, environmental health, and peacemaking, as actively reflected in lifestyle and vocation.

Past internships have included, but are not limited to, projects in: agriculture, church development, community art, community development, education, environment, ethnomusicology, gender, health and nutrition, HIV/AIDS, human trafficking, hydrology, legal advocacy, micro-enterprise, property rights, social justice, and youth development. Each internship includes supervised study and service related to the student’s interests, and enables students to learn about culture and appropriate development responses within specific cultural contexts. HNGR aims to promote student commitments to formulating Christian responses in their lifestyles and vocational choices, to the issues facing the globe and its peoples.

Students from any major may take selected HNGR courses, including Poverty, Justice and Transformation (HNGR 114 Poverty, Justice and Transformation), without obligation to complete the HNGR Certificate. Students who wish to earn the HNGR Certificate must submit a formal application (usually in the fall semester of their second year), be accepted to do the six-month off-campus internship, and complete the internship and all course work. Details are available in the HNGR office and on the HNGR website at http://www.wheaton.edu/hngr.

HNGR graduates are especially well prepared to work in the Majority World and domestically with development, government, and international organizations, missions, and other international agencies, as well as to pursue graduate studies in a variety of fields such as business, education, science and health professions, theology, social sciences, and law.

Faculty

Director, John Stott Professor of Human Needs and Global Resources and Professor of Environmental Studies Laura S Meitner Yoder
Associate Director, Associate Professor James G. Huff
Assistant Director Alexander H. Jones
Student Support Coordinator Mandy Kellums Baraka

Programs

- Human Needs and Global Resources Certificate (p. 149)

Courses

Human Needs and Global Resources Courses

HNGR 114. Poverty, Justice and Transformation. (4 Credits)
An introduction to the social, political, economic, biophysical, environmental and spiritual dimensions and causes of poverty, inequality and injustice. Examines the experience of people confronting poverty in Majority World contexts and considers the factors that connect human communities and ecological systems worldwide, such as globalization, migration, climate change, global health and disease, religious and social movements, and urbanization. Emphasis is given to understanding the theories, methods and effectiveness of diverse approaches to international development and holistic transformation.

Tags: GP, SI

HNGR 381. Topics in Development. (2 or 4 Credits)
Selected topics from the following: technology and the environment, appropriate technology, and community development. Seminar format with guest lecturers and student presentations. Prerequisites depend on topic.

HNGR 385. Field Research Methods and Intercultural Orientation. (4 Credits)
A practical preparation of HNGR Program interns for participatory research and cross-cultural living and service. Emphasis in research is on design and implementation of qualitative and quantitative research methods in actual field settings, including roles, rapport, ethics, cultural adaptations, field notes, and write-up. Emphasis in orientation is on cross-cultural adjustment, including approaches, responses, psychological adaptation, relationship-building, communication, health, and Christian witness. Open to outgoing HNGR interns only. Course fee.

HNGR 432. Violence and Peace in Latin America. (4 Credits)
This course draws on anthropological and social scientific research to examine how diverse organizational and social actors work to confront violence and strengthen peace in Latin America. Students will learn about the history of state, political and criminal violence in the late 20th and early 21st centuries, and students will be introduced to the efforts of international justice and human rights activists and civil society and religious organizations to build more just, peaceful, and inclusive societies in Latin America.

HNGR 481. Introduction to Global Christian Perspective. (0 Credits)
Supervised directed reading and reflection, done as part of the HNGR field internship that addresses selected themes in global Christian thought and practice, including poverty and powerlessness, justice and reconciliation, community and community development, and brokenness and healing. This is the summer session of HNGR 484 (Global Christian Perspective), which is taken during the Fall semester. Open to HNGR interns only. Graded pass/fail.

HNGR 484. Global Christian Perspective. (4 Credits)
Supervised directed reading and reflection, done as part of the HNGR field internship that addresses selected themes in global Christian thought and practice, including poverty and powerlessness, justice and reconciliation, community and community development, and brokenness and healing. Open to HNGR interns only.
HNGR 491. Introduction to Internship in Development. (0 Credits)
Supervised field experience through a six-month internship in the
Majority World, generally with a Christian organization involved in holistic
development. The program of study is designed to meet the particular
interests and needs of the student, host organization, and community
in which the internship is conducted. This is the summer session of
HNGR 496 (Internship in Development). Open to HNGR interns only.
Graded pass/fail.

HNGR 494. HNGR Capstone Integration Seminar. (2 Credits)
Evaluation and integration of the student's field experience in the
Majority World, applying theories of socioeconomic change, intercultural
communication, and Christian worldview, and an analysis of alternative
models of holistic development. Open to returned HNGR interns only.
Course fee.

HNGR 495. Independent Study. (2 to 4 Credits)
Directed reading and research or internship projects.

HNGR 496. Internship in Development. (4 to 8 Credits)
Supervised field experience through a six-month internship in the
Majority World, generally with a Christian organization involved in holistic
development. The program of study is designed to meet the particular
interests and needs of the student, host organization, and community in
which the internship is conducted.

Human Needs and Global Resources Certificate
Requirements
Certificate candidates are required to complete 16 hours of preparatory
course work before the internship, including:

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<th>Code</th>
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<tr>
<td></td>
<td>Required pre-internship courses:</td>
<td></td>
</tr>
<tr>
<td>HNGR 114</td>
<td>Poverty, Justice and Transformation</td>
<td>4</td>
</tr>
<tr>
<td>HNGR 385</td>
<td>Field Research Methods and Intercultural Orientation</td>
<td>4</td>
</tr>
<tr>
<td>ANTH 353</td>
<td>Biculturalism</td>
<td>4</td>
</tr>
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<td></td>
<td>Electives</td>
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<tr>
<td>BITH 449</td>
<td>Old Testament Topics (New Voices in Old Testament Studies)</td>
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<tr>
<td>BIOL 318</td>
<td>Global Health</td>
<td></td>
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<tr>
<td>ENVR 315</td>
<td>Nature, Environment &amp; Society</td>
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<tr>
<td>HIST 391</td>
<td>Topics in History (Indigenous Histories in the Majority World)</td>
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<tr>
<td>SPAN 337</td>
<td>Survey of Spanish American Literature</td>
<td></td>
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<tr>
<td>SOC 385</td>
<td>Social Change</td>
<td></td>
</tr>
<tr>
<td>IR 315</td>
<td>Politics of Global Development</td>
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<tr>
<td>ECON 365</td>
<td>Economic Growth &amp; Development</td>
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<th>Code</th>
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<tr>
<td></td>
<td>HNGR Internship courses:</td>
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<tr>
<td>HNGR 496</td>
<td>Internship in Development</td>
<td>4-8</td>
</tr>
<tr>
<td>HNGR 484</td>
<td>Global Christian Perspective</td>
<td>4</td>
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</tbody>
</table>

Upon Return to Campus, post-internship course:
HNGR 494 HNGR Capstone Integration Seminar 2

HNGR students meet Social Inquiry CATC requirements by taking any
course with the SI tag. Students who complete the preparatory course
work, internship, independent study, and integrative seminar will receive
the Human Needs and Global Resources Certificate in recognition of
fulfillment of all requirements.
Interdisciplinary Studies

The nationally recognized Interdisciplinary Studies major promotes the educational goals of Christian liberal arts learning, emphasizing the importance of becoming a whole human being who can integrate knowledge from various disciplines and express it with critical understanding, creative skill, and redemptive purpose. Students who become IDS majors complete their undergraduate education in an unconventional way, designing a unique “program of study” (POS). Each POS (personal or pre-set) integrates selected coursework from various disciplines.

For the personal option, the IDS major must submit a final version of the program of study that specifies upper-divisional course work from any two or three of the College’s existing academic majors, which must be approved by the IDS program director and IDS Faculty Committee. Thereafter, the program of study may not be altered by the student without the expressed written approval of the IDS program director. The program of study should be informed by the student’s “guiding directives,” which serve to clarify the rationale for the IDS major’s integrative work. The guiding directives include:

1. examining a worthwhile “wicked problem”
2. asking a “vital question” pertaining to the problem, and
3. exploring a theme of “sticky ideas” related to the problem.

The guiding directives establish the basis for the student’s choice of courses listed in the program of study. Courses selected for the program of study must be thematically congruous and reflect the ideal of a coherent, integrated whole. The culmination of the IDS major’s program of study will be the IDS research project, which will require the student to complete qualitative or quantitative research and writing on a topic related to the specified program of study. This final project will be completed in the IDS Senior Seminar, presented to peers, and evaluated by two faculty members knowledgeable about the topic. IDS majors often focus their projects on central issues pertaining to the arts, social sciences (including urban studies), humanities, natural sciences, HNGR, communication, modern culture, social policy, and the health professions, to name a few.

Interested students may apply to the IDS program after attaining 30 credit hours; no student may apply after the fourth week of the fourth semester prior to graduation. All applicants must complete a three-part application comprised of a questionnaire (including student personality profile, short answer questions, and tentative program of study, with courses approved by faculty designates from each of the majors represented), a personal interview with the IDS program director, and three brief essays. The completed application will then be submitted to the IDS administrative assistant by the scheduled deadline (near the end of each quad) and evaluated by the IDS Faculty Committee, represented by the IDS director and various faculty across the disciplines. Students will then be informed of their standing. Candidates should understand that the application process is rigorous, and the IDS program is selective. Students are allowed to apply only twice to the program.

Students who complete an Interdisciplinary Studies major are granted a Bachelor of Arts degree unless they request a Bachelor of Science degree and meet the following criteria:

- If the student chooses the two-discipline option, one of the disciplines must be in a field that offers a B.S. degree.

In addition to the personal program of study option (POS), students may choose from two pre-set programs of study: one in Asian Studies and the other in Biotechnology. Additional information is available from the IDS director.

Faculty
Director, Jeffry C. Davis

Programs
• Interdisciplinary Studies Major (p. 150)
• Asian Studies Program of Study (p. 151)
• Asian American Studies Minor (p. 151)
• Biotechnology Program of Study (p. 151)

Courses

Interdisciplinary Studies Major Courses

IDS 291. Introduction to Interdisciplinary Studies. (2 Credits)
An orientation to the increasingly important work of interdisciplinary thinking, this course is designed to encourage students to become holistic explorers of knowledge and to see the interdependent aspects of all academic disciplines and courses within a liberal arts college.

IDS 494. Senior Seminar. (4 Credits)
This capstone course provides the Interdisciplinary Studies major the opportunity for integration by means of interaction with other IDS majors. The seminar requires full participation of students through daily reading, writing, speaking, and listening—conducted according to a central theme and common texts, drawing upon the students’ varied academic experiences. An integrative research project is mandatory—one that is qualitative, quantitative, or creative, depending upon the major’s program of study. Required of all IDS majors, and only offered in the spring semester, it should be taken just prior to graduation.

IDS 495. Independent Study. (2 Credits)
A regimen of reading scholarly articles and writing abstract reviews is typical; however, this course also provides the IDS major with the opportunity for research to meet the individual’s needs and interests, as approved by the Interdisciplinary Studies director. IDS majors are strongly encouraged to take the IDS independent study prior to the IDS Senior Seminar, providing solid preparation for the final IDS project.

IDS 496. Internship. (2 to 8 Credits)
Graded pass/fail. Prerequisite: junior or senior standing within the Interdisciplinary Studies major.

Interdisciplinary Studies Major Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for an Interdisciplinary Studies major are 36 hours beyond all general education requirements, including:
### Major Requirements

Select one of the following options: 24

**Option A:**
Select a minimum of 12 upper-division credits from each of any two academic disciplines

**Option B:**
Select 8 upper-division credits from each of any three academic disciplines

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<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>IDS 291</td>
<td>Introduction to Interdisciplinary Studies (only offered fall semester)</td>
<td>2</td>
</tr>
<tr>
<td>IDS 494</td>
<td>Senior Seminar (only offered spring semester)</td>
<td>4</td>
</tr>
</tbody>
</table>

**Electives**

Select 6 credits

**Total Credits** 36

One of the upper-division courses must be approved as an integrative or bridge course, clearly linking the chosen disciplines in the program of study. Internship hours do not apply directly towards the major.

### Asian American Studies Minor Requirements

The requirements for a minor in Asian American Studies are 20 hours, including:

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<tbody>
<tr>
<td>HIST 334</td>
<td></td>
<td>4</td>
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<tr>
<td>HIST 391</td>
<td>Topics in History</td>
<td>2</td>
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</tbody>
</table>

Select 4 or 6 credits of the following:

- ENGL 285 Topics in Global Literature (if on an Asian topic)
- PHIL 226 Asian Philosophy

Select 4 or 6 credits of the following:

- RELI 212 World Religions:Asia
- RELI 492 Topical Studies

Select 4 or 6 credits of the following:

- B EC 331 International Business
- ECON 366 International Economics
- IDS 495 Independent Study
- HIST 362 Topics in Traditional Asian History
- HIST 363 Topics in Continuity and Change in Modern Asia

**Total Credits** 20

### Biotechnology Program of Study Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

The demand for individuals with knowledge and skill in the relevant areas in biology and chemistry is rapidly increasing. Pressing moral issues such as stem cell research, cloning, gene enhancement and therapies, ownership of human genetic information, and genetically engineered organisms await thoughtful Christian engagement. To face these challenges, Wheaton students can major in the IDS Biotechnology POS.

### Biotechnology Program of Study

The IDS Biotechnology pre-set POS examines salient issues pertaining to matters of human and scientific significance since the advent of genetic engineering. Biotechnology has far-reaching effects in all areas of fundamental biological research, as well as in agricultural, medical, environmental, and industrial applications.

The demand for individuals with knowledge and skill in the relevant areas in biology and chemistry is rapidly increasing. Pressing moral issues such as stem cell research, cloning, gene enhancement and therapies, ownership of human genetic information, and genetically engineered organisms await thoughtful Christian engagement. To face these challenges, Wheaton students can major in the IDS Biotechnology POS.

### Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.
**Requirements for the IDS Biotechnology POS** are 36 hours beyond all general education requirements from the following:

<table>
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<tr>
<th>Code</th>
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<tr>
<td>BIOL 356</td>
<td>Genetics</td>
<td>4</td>
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<td>BIOL 364</td>
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<td>4</td>
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<tr>
<td>BIOL 375</td>
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<tr>
<td>CHEM 341</td>
<td>Organic Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>&amp; CHEM 342</td>
<td>and Organic Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 461</td>
<td>General Biochemistry</td>
<td>4</td>
</tr>
<tr>
<td>IDS 291</td>
<td>Introduction to Interdisciplinary Studies</td>
<td>2</td>
</tr>
<tr>
<td>IDS 494</td>
<td>Senior Seminar (only offered in the spring)</td>
<td>4</td>
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**Suggested Electives**

Select 8 credits of the following:

- BIOL/PHIL 304 Bioethics (strongly recommended as the integrative or bridge course)
- BIOL 322 Advanced Cellular and Developmental Biology
- BIOL 495 Biological Research
- or CHEM 499 Independent Research
- BIOL 496 Biology Internship
- or CHEM 499 Internship
- Or a programming course in Computer Science

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<tr>
<td>BITH 212</td>
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<tr>
<td>BITH 438</td>
<td>Wisdom Literature</td>
<td>2</td>
</tr>
<tr>
<td>BITH 214</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>BITH 462</td>
<td>Pastoral Epistles</td>
<td>2</td>
</tr>
<tr>
<td>BITH 315</td>
<td>Christian Thought</td>
<td>4</td>
</tr>
<tr>
<td>PSCI 145</td>
<td>Political Philosophy (SI tagged course option)</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 317</td>
<td>Developmental Psychology (SI tagged course option)</td>
<td>4</td>
</tr>
<tr>
<td>ECON 211</td>
<td>Principles of Microeconomics (SI tagged course option)</td>
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Total Credits 36

1 An integrative project on biotechnology, in which students synthesize a position based on sound ethical and theological reasoning about a controversial issue in biotechnology, is required for this senior capstone course.

The following General Education courses are also recommended:

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<td>BITH 462</td>
<td>Pastoral Epistles</td>
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</tr>
<tr>
<td>BITH 315</td>
<td>Christian Thought</td>
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<td>PSCI 145</td>
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<tr>
<td>ECON 211</td>
<td>Principles of Microeconomics (SI tagged course option)</td>
<td>4</td>
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</tbody>
</table>
International Relations and Politics

The Department of Politics and International Relations aims to foster a deeper appreciation for domestic and international politics through the study of political behavior, government institutions, and the international system. In fulfillment of this aim, the department offers courses that:

1. expose students to the major areas of the discipline, including American politics, international politics, comparative politics, public policy, law, and political philosophy;
2. emphasize concepts, theories, and tools that are essential in political analysis;
3. address key issues involved in the building of just and peaceful political communities; and
4. examine the relationship of Christianity and politics.

The department offers majors in Political Science and International Relations that are firmly rooted in the traditional liberal arts curriculum of Wheaton College. Due to the large overlap between the two majors, department policy does not allow a double major in Political Science and International Relations.

Faculty

Chair, Associate Professor Bryan McGraw
Professor Amy Black
Associate Professor David Iglesias
Assistant Professors Kathryn Alexander, Kristin Garrett, Michael McKoy, Timothy Taylor

Programs

- Political Science Major (p. 204)
- Political Science Minor (p. 204)
- International Relations Major (p. 205)
- International Relations Minor (p. 205)
- Peace and Conflict Studies Certificate (p. 205)

Courses

Political Science Courses

PSCI 135. American Politics and Government. (4 Credits)
American Politics and Government. An introduction to the foundations and institutions of the United States' political system. Explores the political behavior of individuals and groups and engages contemporary political debate.
Tags: SI

PSCI 145. Political Philosophy. (4 Credits)
An exploration of some of the major themes in the tradition of western political thought, to include the nature of politics, freedom, equality, justice, and virtue. The course will center around some of the tradition's most significant texts, including works by Plato, Augustine, Hobbes, Mill and more contemporary authors.
Tags: PI, SI

PSCI 201. U.S. Education Policy: Problems and Possibilities. (4 Credits)
See EDUC 201
Tags: DUS, SI

PSCI 231. Chicago. (2 Credits)
An Introduction. See URBN 231.

PSCI 235. Iowa Caucus. (2 Credits)
A hands-on exploration of the presidential nomination process including campaign work and observation of Iowa precinct caucuses. Presidential election years.

PSCI 236. Intercollegiate Trial Advocacy. (0 or 1 Credits)
A hands-on exploration of the theory and practice of trial advocacy through competition in intercollegiate mock trial tournaments. Graded pass/fail. One credit hour per year based on full participation in the fall and spring semesters. Register for credit in the spring semester. Prerequisite: Instructor permission.

PSCI 237. Women and Politics. (2 Credits)
An exploration of the role of American women and politics in the late nineteenth century and its transformation into the role of American women in politics by the late twentieth century.

PSCI 244. Film and Political Theory. (2 Credits)
An exploration and evaluation of portrayals of political themes and concepts in various forms of popular culture including film, television, and plays.

PSCI 245. Politics & Pop Culture. (2 Credits)
An exploration and evaluation of portrayals of political themes and concepts in various forms of popular culture including film, television, and plays.

PSCI 274. Introduction to Law. (4 Credits)
This course provides a general introduction to the nature and function of law in society.

PSCI 301. Topics in Political Science. (2 Credits)
Selected topics, designed to give added breadth and depth to the understanding of American politics and/or political behavior.

PSCI 302. Topics in Political Science. (4 Credits)
Selected topics, designed to explore an important topic in American politics, political behavior, or political theory.

PSCI 311. Constitutional Law. (4 Credits)
An examination of the American constitutional system, with special emphasis given to the role of judicial institutions and the impact of Supreme Court decisions.

PSCI 325. Criminal Law Procedure. (2 Credits)
This course provides a general introduction to the process by which government investigates, charges and proves criminal offenses committed by individuals.

PSCI 327. Civil Rights and Police Action. (2 Credits)
This course provides a general introduction to the constitutionally protected civil rights individuals have in the United States and whether use of force by law enforcement violates these rights. The course focuses on use of force issues from wrongful arrest to fatal use of force by law enforcement.

PSCI 332. Media and Politics. (4 Credits)
This course explores the interrelationship between the mass media (including print, broadcast, and new media), public opinion, and American politics. Prerequisite: PSCI 135 or equivalent.

PSCI 343. Political Ethics. (4 Credits)
This course brings philosophical ethics and normative political theory into dialogue with the distinctive practical problems associated with contemporary American politics and policy. Topics to be considered include abortion, euthanasia, affirmative action, war, distributive justice, deception and manipulation, and the ethics of roles.
PSCI 344. Women, Politics, and American Society. (4 Credits)
An exploration of the role of women in American politics from revolutionary times to the present, tracing the transformation of the role of American women from outsiders to more full participants in politics and government.

Tags: DUS

PSCI 349. Christian Political Thought. (4 Credits)
An engagement with the varieties of Christian thinking about politics, including both its historical development and the contemporary alternatives. Thinkers explored will include Augustine, Aquinas, Luther, Calvin, Locke, Niebuhr, Hauerwas, and a number of others.

PSCI 358. Campaigns in Context. (2 Credits)
An examination of federal, state, and local campaigns with an emphasis on the politics and context of the November election. Wheaton-in-Washington Program. PSCI 135 recommended.

PSCI 359. Washington Workshop. (2 Credits)

PSCI 361. Political Research. (4 Credits)
This course introduces research design to students using the context of political science. While there are many approaches to research design, we will focus upon quantitative analysis. At the introduction students will be exposed to the basic framework of theories, variables, and causation. Students will then construct a research design to test an original political science project. This course is designed to be an introduction to research methods so there are no prerequisites. Students are encouraged to approach projects with creativity and ask questions.

Tags: AAQR

PSCI 363. Race and Politics in the United States. (4 Credits)
This course investigates the complex relationship between racial and ethnic identity and political outcomes in the United States. It explores broad political science concepts like public opinion, political behavior, social movement, media effects, and political representation in the context of racial and ethnic groups.

Tags: DUS

PSCI 364. Analyzing Public Opinion. (4 Credits)
This course equips students to apply mathematical concepts, especially in the area of statistics, to analyze public opinion data. It leverages substantive public opinion topics and a semester-long research project as springboards to learn about and apply quantitative methods to describe phenomena and answer research questions related to public opinion.

PSCI 365. Classical and Medieval Political Thought. (4 Credits)
The western political tradition rests on the interplay between the claims emerging out of classical Greece and Rome on the one hand and out of Christianity on the other. This course explores that interplay by engaging both classical (Homer, Sophocles, Plato, Aristotle) and Christian political thinkers (Augustine, Aquinas).

PSCI 366. Modern Political Thought. (4 Credits)
This course chronicles the replacement of the Christian order and the development of its theoretical alternative, modernity. Thinkers considered include: Machiavelli, Hobbes, Locke, Rousseau, Marx, Mill, Nietzsche, and Freud.

PSCI 368. American Political Thought. (4 Credits)
An analysis of central ideas in the history of American political thought, from the founding to the present.

PSCI 371. Public Opinion and American Democracy. (4 Credits)
This course helps students understand the factors that shape political attitudes and the actions they trigger in the United States. Particular attention is given to major methods and findings of survey research, as well as to implications of this research for how we think about the role of citizens in democracy.

PSCI 374. Political Psychology: Understanding the Political Mind and Behavior. (4 Credits)
This course equips students to apply the concepts, theories, and methods of psychology to better understand political attitudes and behavior. It emphasizes how new research at the intersection of fields like psychology, biology, and neuroscience can inform our thinking about politics.

Tags: SIP

PSCI 383. Religion & American Politics. (4 Credits)
An assessment of the role of religion in American politics, focusing especially on the contemporary era. Particular attention is given to the role of evangelicals. Periodic.

PSCI 384. The Presidency. (4 Credits)
Examines the role of the presidency in the U.S. political system, focusing on such themes as leadership, decision-making, and Congressional-Executive relations. Alternate years.

PSCI 385. Urban Politics. (2 Credits)
An analysis of the politics of urban areas, including relationships with state and national governments, decision-making, and urban public policy.

PSCI 386. Congress & Policy Process. (4 Credits)
Congress and the Policy Process. An examination of the role of Congress in the American political process, including historical development, structure and functions, and decision-making. Recommended for those seeking Washington internships. Alternate years.

PSCI 387. Law and Religion. (4 Credits)
This course is designed to introduce students to the moral, legal, and constitutional questions surrounding religion and its place in democratic public life. Students will have an opportunity to gain a familiarity with the development of American constitutional law as it relates to religion, explore the alternatives to those developments, understand thecontending side of contemporary controversies, and articulate their own considered views on each via both presentations and writing exercises.

PSCI 389. Campaigns and Elections. (4 Credits)
Explores the structures and institutions of American electoral politics, including the nomination process and general elections. Gives special attention to the elements of the modern campaign, including campaign finance, research, polling, advertising, and media use. Alternate years.

PSCI 494. Senior Seminar. (2 Credits)
An analysis of the interrelationship of politics and the Christian faith, focusing on vocational, conceptual, legal, and domestic public policy issues. Senior majors only.

PSCI 495. Independent Study. (2 to 4 Credits)
A guided individual reading and research problem. Junior and senior majors, or discretion of professor.

PSCI 496. Internship. (4 Credits)
A series of programs designed for practical experience in professions frequently chosen by Political Science majors, such as law, government, and public service. Prerequisite: Political Science major with junior or senior standing and a minimum of 16 credits in the department.
PSCI 499. Honors Thesis. (4 Credits)
An independent research project requiring original research, developed into a scholarly paper and culminating in an oral examination. By application only. The honors thesis may not be counted toward the total hours to complete the major.

International Relations Courses

IR 155. Comparative Politics. (4 Credits)
An introduction to the comparative analysis of the political systems of countries around the world. The course will examine the role of political institutions, political participation, and economics in shaping societies.
Tags: GP, SI

IR 175. International Politics. (4 Credits)
An introduction to the politics among states. Themes emphasized include: international security, diplomacy, conflict resolution and war, human rights, international law and organization, and global political economy.
Tags: SI

IR 301. Topics in International Politics. (2 Credits)
Selected topics, designed to give added breadth and depth to the understanding of international politics.

IR 302. Topics in International Politics. (4 Credits)
Selected topics, designed to give added breadth and depth to the understanding of international politics.

IR 312. Islam & Politics. (4 Credits)
This seminar course focuses on central Islamic concepts relating to politics and the role of Islam in political movements and individual political action.

IR 315. Politics of Global Development. (4 Credits)
This course examines the nature and processes of economic development and political change in less developed countries. Emphasis is given to comparing the political economy of good governance.

IR 318. Environmental Politics. (4 Credits)
Contemporary environmental challenges suggest fundamental problems of nature-society relations through socio-physical phenomena such as acid rain, urban air pollution, deforestation, rabid desertification, high rates of extinction, and the prospect of global warming, as well as mounting inequality in threats to human wellbeing generated by these issues. This course engages various perspectives on the politics of these issues, equipping students to 1) understand the ways in which scholars and activists think about environmental challenges, 2) critically engage such perspectives, and 3) apply such perspectives to the changing landscape of environmental issues.

IR 325. Justice Among the Nations. (4 Credits)
This course explores the moral questions occasioned by relationships among and between nations: what are the justifications for (and limits of) national sovereignty? Are there better (morally and practically) alternatives? Should the material wealth of the modern global economy be produced and distributed differently than it is now? When and how may states (or other sorts of political authorities) use military force? How can nations reconcile and act justly after mass atrocities?

IR 327. Ethics & Foreign Policy. (2 Credits)
An examination of the role of moral values in foreign policy, with special emphasis on war, human rights, and foreign intervention. Prerequisite: IR 175.

IR 328. International Law. (2 Credits)
Analyzes the nature and role of law in the international community through leading case studies.

IR 329. Forgiveness & Reconciliation. (2 Credits)
This class explores the potential role of forgiveness in confronting and overcoming systemic regime crimes. The course emphasizes theory and case studies and focuses on processes that foster political reconciliation.

IR 347. East Asian Politics. (4 Credits)
Why do democratic and authoritarian countries coexist as neighbors in one of the world’s densest trade networks? What explains the great inequalities both within and between East Asian countries? We will explore these questions in this course. We will examine the historical development of East Asian states and their contemporary domestic and international politics. In this course, we will investigate the three sub-regions of East Asia: Northeast Asia, China, and Southeast Asia. Finally, contemporary problems of international relations will be discussed ranging from nuclear weapons to island disputes to power transitions away from American hegemony.
Tags: HP

IR 348. Middle East Politics. (4 Credits)
In this course, students will learn about and analyze the political cultures and political conflicts of the Middle East.
Tags: GP, HP

IR 356. European Politics. (4 Credits)
A comparative assessment of the politics and government of selected European nations.

IR 359. Forgiveness and Political Reconciliation. (4 Credits)
This class explores the potential role of forgiveness in confronting and overcoming violence and conflict at the societal level, with particular attention paid to processes and institutions that can foster political reconciliation, seek justice, and promote positive peace. The course emphasizes theories and theological considerations about what it means to forgive, as well as case studies of peacebuilding and transitional justice.

IR 361. Post-communist Politics. (4 Credits)
A comparison of the post-communist political development of a select number of Central and East European states. Examination is given to both the common "Leninist legacies" of communism and the great diversity of political practice now found across the region. Special emphasis is given to political institutions, European Union integration, and select contemporary political issues.

IR 362. Urban Politics in a Global Age. (4 Credits)
This course examines the effects of globalization on major urban centers in the world system, comparing and contrasting cities in North American, Europe, Africa, and Asia. Students will study the economic, political, and social impact, as well as responses of government and civil society.

IR 375. Globalization. (4 Credits)
What are the causes and consequences of globalization? Why do citizens divide on their support and opposition to globalization? How is globalization affect and affected by national politics, history, and cultures? This course will examine the causes of globalization and its effects upon states and citizens. Specifically, we will discuss international trade, migration, growth, development and politics. Taught in conjunction with the Iron Sharpens Iron summer travel program.
Tags: GP, SI

IR 378. U.S. Foreign Policy. (4 Credits)
An analysis of the processes and institutions involved in making U.S. foreign policy. Emphasis given to understanding the development of contemporary issues.
IR 379. International Political Economy. (4 Credits)
An analysis of the interaction of economics and politics at the international level. Topics covered will include the origins and nature of the World Bank, IMF and WTO, regionalization, trade policy, and the world monetary system.

IR 494. Senior Seminar. (2 Credits)
An analysis of the interrelationship of politics and the Christian faith, focusing on vocational, conceptual, legal, and international public policy issues. Senior majors only.

IR 495. Independent Study. (2 to 4 Credits)
A guided individual reading and research problem. Junior and senior majors, or discretion of professor.

IR 496. Internship. (4 Credits)
A series of programs designed for practical experience in professions frequently chosen by International Relations majors, such as law, government, and public service. Prerequisite: International Relations major with junior or senior standing and a minimum of 16 credits in the department.

IR 499. Honors Thesis. (4 Credits)
An independent research project requiring original research, developed in a scholarly paper and culminating in an oral examination. By application only. The honors thesis may not be counted toward the total hours to complete the major.

Peace and Conflict Studies Courses
PACS 201. Introduction to Peace and Conflict. (4 Credits)
This is the introductory course for the Peace and Conflict Studies certificate program. This interdisciplinary survey course will employ different perspectives and methodological approaches in order to understand the nature and sources of conflict, violence, and suffering; different meanings of “peace”; the processes, challenges, and trade-offs to establishing peace, justice, and reconciliation; and the Christian call to be makers of peace.
Tags: DUS, SI

PACS 494. Senior Seminar in Peace and Conflict Studies: Peace, Reconciliation, and Justice. (2 Credits)
This two-hour course will explore the prospects for peace and reconciliation given the fact of violence. The course will consider various ideals of justice, various methods of peacebuilding, and limitations associated with methods and movements for peace, reconciliation, and justice. The extent and efficacy of religion and religionists in peace, reconciliation and justice efforts will be considered, as well secular humanist approaches to peace, reconciliation and justice. Since students from the Community Transformation concentration and from the Global Justice concentration will coalesce in this course, students will debate the strengths and weaknesses of various units of analysis and of various disciplinary and methodological approaches to conflict resolution and peace building.

PACS 496. Internship. (4 Credits)
Allow students with opportunities to apply theoretical and theological knowledge by engaging in strategic peacebuilding, conflict resolution and conflict management in a variety of contexts to organizations. In addition, internships provide valuable insight into careers related to peace building and conflict management. Exploration of faith and vocation is a crucial component.
**Liberal Arts/Nursing**

**Overview**

Students completing the Liberal Arts/Nursing program will receive two degrees—a Bachelor of Arts or Sciences from Wheaton and the appropriate professional nursing degree from the nursing school (B.S.N.). Three years are spent at Wheaton in the pursuit of general education and basic science courses. The Liberal Arts Nursing majors then apply and if accepted, transfer to a CCNE or NLNAC-accredited baccalaureate nursing program and complete the B.S.N. in an additional two years. Wheaton is affiliated with Emory University (BSN Transfer Option) for students who wish to follow this option. The second possibility is to apply and if accepted, transfer to Indiana Wesleyan University (IWU) and complete their Transition to Nursing program. This program is completed in fourteen months. Wheaton currently has a formalized arrangement with IWU that permits students to enroll in this accelerated BSN program. Minimum standards must be maintained to be considered for acceptance. Additional information can be sought from the Director of Health Professions regarding both options.

Many students pursue nursing while studying a different discipline/major at Wheaton. Students will complete their Wheaton degree and then apply to a nursing program intending to enter after graduation. Students are encouraged to consider Accelerated BSN programs and Graduate Entry Master's programs for this option. As prerequisites for nursing programs vary, students are strongly encouraged to contact the Director of Health Professions early to assist and help plan course selection and understand the options when pursuing a nursing career.

**Requirements**

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

**Requirements for the Major:** In addition to general education courses, basic natural and social science courses required by Wheaton (and by most professional nursing programs) include the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 231</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 232</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 241</td>
<td>Principles of Organic Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>AHS 351 &amp; AHS 361</td>
<td>Human Anatomy and Integrative Human Physiology</td>
<td>8</td>
</tr>
<tr>
<td>or BIOL 321</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 241</td>
<td>Organization of Life: Genetics and Cell Biology</td>
<td>4</td>
</tr>
<tr>
<td>Select at least 4 credits of upper division natural science courses</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>PSYC 101</td>
<td>Introduction to Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 268</td>
<td>Statistics (or other statistics course)</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 317</td>
<td>Developmental Psychology</td>
<td>4</td>
</tr>
<tr>
<td>SOC 115</td>
<td>Introduction to Sociology</td>
<td>4</td>
</tr>
<tr>
<td>SCI 494</td>
<td>Nursing Capstone</td>
<td>2</td>
</tr>
</tbody>
</table>

1 BIOL 324 Microbiology is recommended.

Additional affiliate-specific courses may be required by the nursing schools (AHS 368 Concepts in Nutrition). A required number of hours at the nursing school are necessary to fulfill and complete the requirements for the LA/N major. Students may obtain the complete list of required prerequisites for the program(s) they intend to pursue as part of the Liberal Arts-Nursing major from the Director of Health Professions.
Mathematics and Computer Science

In a society becoming ever more mathematical and computerized, the department seeks to provide courses which introduce all students to the ideas of mathematics and computer science. The department also provides advanced courses for those wishing to specialize in one of these areas. We teach these technical concepts in a manner consistent with the liberal arts aim of the College and in a way that encourages the student to use these abilities to serve others.

Mathematics Curriculum
The purpose of the mathematics curriculum is to present the basic concepts and methods in modern mathematics, to develop the student’s ability to think critically using the axiomatic method, and to apply these ideas to other disciplines. This major provides the mathematical background for students preparing for:

1. Licensure in secondary education
2. Graduate study in a mathematical discipline
3. A career in an area using mathematics, such as engineering, economics, statistics, or actuarial science

Students who complete a Mathematics major are granted a Bachelor of Science degree unless they request a Bachelor of Arts degree.

Calculus Readiness Assessment:
Students who plan to enroll in MATH 231 Calculus I must take Wheaton College’s Calculus Readiness Assessment. The Calculus Readiness Assessment (CRA) is a dynamic, online assessment that evaluates students’ strengths in arithmetic, algebra, and other pre-calculus skills. We will allow up to 3 hours for the test but it is typically completed in 60-90 minutes. It is accessible with a Wheaton student login at http://portal.wheaton.edu > New Undergrad Student > New Student Checklist. The assessment has a $15 fee, charged to a credit card.

Students should sign into the CRA area and take a practice test any time after July 1st, but prior to coming to campus. After taking this practice test, the CRA offers specialized learning modules through the student login to “brush up” on skills. We will administer the first official proctored attempt will be held one week into the semester. Students who earn below a 65 and need calculus for their program are encouraged to enroll in MATH 131 Precalculus.

Computer Science Curriculum
The curriculum in computer science presents the fundamentals of computation—the science underlying the computing technologies that have become so pervasive in contemporary society. This foundation better prepares one to make choices about how those technologies can and should be applied, at the organizational and societal levels, as well as individually. The deeper study required of a computer science major provides experience in the discipline’s methods of analysis and problem-solving. Furthermore, experimental work throughout the curriculum allows majors to develop skills in the design, analysis, and development of software systems, and so provides excellent preparation for a computing-related career, as well as for graduate study in computer science or engineering.

Students who complete a Computer Science major are granted a Bachelor of Science degree unless they request a Bachelor of Arts degree.

Faculty
Chair, Professor Mary Vanderschoot
Professors Robert Brabenec, Darcie Delzell, Paul Isihara, Stephen Lovett
Associate Professors Danilo Diedrichs, Hyunju Kim, Thomas VanDrunen
Assistant Professors Devin Pohly

Programs
- Mathematics Major with Pure Math Concentration (p. 162)
- Mathematics Major with Applied Mathematics Concentration (p. 162)
- Mathematics Major with Statistics Concentration (p. 162)
- Mathematics Major with Secondary Education Concentration (p. 163)
- Mathematics Minor (p. 163)
- Computer Science Major (p. 163)
- Computer Science Minor (p. 163)

Courses
Mathematics Courses

MATH 106. Mathematics for the Benefit of Mission and Society. (4 Credits)
An overview of how mathematics benefits the mission of the Church and society worldwide, with special regard for those who are suffering and/or marginalized. Examples will be drawn both from history and our contemporary world.
Tags: AAQR

MATH 107. Finite Mathematics and Applications. (4 Credits)
Designed to provide the mathematical tools that a college graduate is likely to encounter in his or her work. Core topics include systems of linear equations, mathematics of finance, and basic probability and statistics. Additional topics may include game theory for decision making, linear programming, iterated processes, or networks. Extensive use of spreadsheet programs. The course illustrates the relevance of mathematics to life applications by taking real or realistic examples from business, economics, social sciences, and life sciences.
Tags: AAQR

MATH 125. Mathematics for Elementary and Middle Grade Education. (4 Credits)
Numeration systems, set theory, the whole number, integer number, and rational number systems with associated axioms, operations, relations, and counting principles. Topics from geometry, measurement, logic, and probability and statistics. For elementary education majors only.

MATH 131. Precalculus. (4 Credits)
A course in elementary functions intended to prepare students for MATH 221 or MATH 231. Topics include the properties of the real number system, inequalities and absolute values, functions and their graphs, solutions of equations, polynomial functions, trigonometric functions, exponential, and logarithm functions. Emphasis on using functions to model physical or social systems.
Tags: AAQR
MATH 221. Applied Calculus. (4 Credits)
This course covers the ideas of calculus, emphasizing applications to business and the social sciences. It includes a wider range of topics than MATH 231 but with less depth of coverage. Topics include limits, definitions and applications of the derivative and integral, and functions of one or more variables. Prerequisite: MATH 131 or Precalculus competence. This course does not count towards the mathematics major. Only one of MATH 221 or MATH 231 may be taken for credit.
Tags: AAQR

MATH 231. Calculus I. (4 Credits)
This course covers differential and integral calculus of functions of a single real variable, including trigonometric, exponential, and logarithmic functions. Derivatives and integrals are studied symbolically, graphically, and numerically. Applications of calculus are emphasized throughout the course. Three lectures, two hours drill. Prerequisite: MATH 231 or 233.

MATH 232. Calculus II. (4 Credits)
This course covers the ideas of calculus, emphasizing applications to business and the social sciences. It includes a wider range of topics than MATH 231 but with less depth of coverage. Topics include limits, definitions and applications of the derivative and integral, and functions of one or more variables. Prerequisite: MATH 131 or Precalculus competence (see Calculus Readiness Assessment).
Tags: AAQR

MATH 233. Calculus I B. (2 Credits)
This is a 2-hour course that covers the B-Quad material of MATH 231. It meets concurrently with MATH 231 in B-Quad. Three lectures, two hours drill. Prerequisite: AP Calculus AB score of 4 or 5, or BC score of 3.

MATH 234. Calculus II B. (2 Credits)
This is a 2-hour course that covers the B-Quad material of MATH 232. Prerequisite: AP Calculus BC score of 4 or 5.

MATH 241. Introduction to Proofs. (2 Credits)
Propositional logic, quantifiers, elementary proof techniques and strategies. An introduction to set theory, including operations on sets, definition of functions, relations. Basic number theory including divisibility, primes, greatest common divider, Euclidean Algorithm. Induction and well-ordering. Permutations and combinations. Axiomatic systems. Prerequisite: MATH 232.

MATH 243. Discrete Mathematics and Functional Programming. (4 Credits)
Sets, logic, the nature of proof, induction, algorithms, algorithm correctness, relations, lattices, functions, and graphs. Functional programming and recursion using the ML programming language. May not be taken after MATH 341 or MATH 351.
Tags: AAQR

MATH 245. Linear Algebra. (4 Credits)
Starting with solving systems of linear equations, matrix algebra is used to explore vector spaces and linear transformations. Emphasis is given to bases, dimension, eigenvectors, and orthogonality. Prerequisite: MATH 231 or 233.

MATH 263. Introduction to Statistics. (4 Credits)
An introduction to statistics, sampling theory, and statistical decision making from a solid mathematical basis for non-mathematics majors. Topics chosen from discrete and continuous distributions, moments, hypothesis testing, correlation and multiple correlation, regression (linear, multivariate, logistic), ANOVA, contingency tables with tests for independence, sampling theory, and rudimentary non-parametric statistics. Students will use selected software packages for data processing and analysis. Prerequisite: MATH 131 or Precalculus knowledge.
Tags: AAQR

MATH 301. Intro to Upper-Level Math. (2 Credits)
Introduction to learning and communication processes used in upper-level mathematics: primary literature sources, presenting mathematics in writing and orally using specialized software. The vocation of a mathematician: ongoing research developments, professional opportunities in academia and in the industry. Prerequisite: MATH 231 or 233. For sophomore or junior math or applied math majors only.

MATH 302. Applied Project I. (2 Credits)
Submission of Applied Project proposal. Preliminary draft of research project including problem statement, scope of project, background, design and methodology in consultation with faculty project advisor(s). Prerequisite: MATH 301.

MATH 314. Problem Solving Seminar. (2 Credits)
Mathematical problem solving aimed at students who enjoy solving problems in a variety of areas of mathematics, and who would like to strengthen their creative mathematical thinking. Students are required to take the William Lowell Putnam Undergraduate Mathematics Competition. Prerequisites: MATH 231 or 234, and 245.

MATH 324. Methods of Teaching Mathematics. (2 Credits)
Theories and methods for teaching mathematics at the secondary level. Topics include cooperative learning, classroom management, and creative teaching ideas. Consideration of current math technology and curriculum standards. Required of mathematics majors in WheTEP prior to student teaching. Prerequisite: Acceptance to WheTEP.

MATH 325. Methods of Teaching Middle Grade Mathematics. (2 Credits)
Theories and methods for teaching mathematics at the middle grade level. Topics include effective teaching strategies, planning, and assessment of math content. Based on the Common Core State Standards for Mathematics and the Illinois Professional Teaching Standards. Prerequisite: Acceptance to WheTEP.

MATH 331. Vector Calculus. (2 Credits)
Vector algebra, properties of transformations, curves and surfaces, line, surface, and volume integrals, Green's, Stokes', and the divergence theorems. Prerequisite: MATH 232 or 234.

MATH 333. Differential Equations. (4 Credits)
An introduction into the theory, methods of solution, and selected applications of ordinary differential equations. Topics include first order equations, second order linear equations with constant coefficients, numerical analysis of ordinary differential equations, Laplace Transforms, series solutions, and systems of differential equations. Prerequisite: MATH 232 or 234.
MATH 341. Modern Algebra. (4 Credits)
An introduction to the theory of groups, rings, and fields. Topics in group theory include Lagrange's theorem, quotient groups, applications to geometry, public key cryptography, and finitely generated abelian groups. Topics in ring theory include ideals, quotient rings, and polynomial rings. Topics in field theory include field extensions, Euclidean construction problems, cubic and quartic equations. Prerequisite: MATH 245 or consent of instructor.

MATH 343. Discrete Mathematics. (4 Credits)
Basic and advanced topics selected from sets and logic, Boolean algebra, functions, algorithms, relations and recursion, combinatorics, graph theory, nature of proof, number theory and cryptography. Prerequisite: MATH 231, 233 or consent of instructor. Offered spring of even-numbered years.

MATH 351. Analysis I. (4 Credits)
Derivation of the properties of continuity, differentiability, integrability, and convergence by use of the limit concept and basic axioms of the real number field. Prerequisites: MATH 232 (or MATH 234) and MATH 245, or consent of instructor.

MATH 352. Complex Analysis. (4 Credits)
An introduction to functions of a complex variable. Topics include the algebra and geometry of complex numbers, mappings of the complex plane, elementary analytic functions, complex functions defined by power series, and differentiation and integration of complex functions. Prerequisite: MATH 331 (MATH 351 recommended). Offered spring of odd-numbered years.

MATH 362. Geometry. (4 Credits)
Selected topics from finite, affine, projective, Euclidean and non-Euclidean geometry from both the axiomatic and transformation approaches. Prerequisite: MATH 245. Offered spring of odd-numbered years.

MATH 363. Probability and Statistics I. (4 Credits)
An introduction to probability theory, including discrete and continuous distributions. Topics covered include independence, conditional probability, expectation, variance and covariance, random vectors, and the central limit theorem. Prerequisites: MATH 232 (or MATH 234) and MATH 245.

MATH 364. Mathematical Modeling. (4 Credits)
A course designed to develop an appreciation for, an understanding of, and a facility in the use of mathematics in the social and life sciences. Particular problems in political science, ecology, psychology, sociology, economics, anthropology, epidemiology, and business management provide the motivation for the development of tools and techniques employed throughout applied mathematics. Prerequisites: MATH 232 (or MATH 234) and MATH 245.

MATH 385. Topics in Applied Mathematics. (4 Credits)
A topic selected for each semester in which the course is offered that focuses upon a particular applied mathematics discipline in a way that brings important mathematical theory and methods to practice. Possibilities include Numerical Analysis, Dynamical Systems, Applied Linear Algebra, Operations Research, Cryptography, or Applied Discrete Math. Prerequisites: MATH 232 (or MATH 234) and MATH 245 or consent of instructor.

MATH 386. Topics in Statistics. (4 Credits)
A topic selected for each semester in which the course is offered that focuses upon a particular application in depth and goes beyond methods covered in MATH 363. Some possible topics include Bayesian Analysis, Machine Learning, Nonparametric Methods, Regression, or Structural Equation Modeling. Prerequisite: MATH 363.

MATH 394. Seminar. (2 Credits)
Study of a topic of mathematics not covered in the other courses. May be retaken when different topics are offered. Prerequisite: Consent of instructor. Offered on demand. Last offering was Topology.

MATH 433. Partial Differential Equations. (4 Credits)
Partial differential equations (PDE's) are differential equations involving functions of multiple independent variables and partial derivatives. PDEs are ubiquitous in the natural sciences, especially physics and engineering, appearing in mathematical models that vary in time and space such as diffusion, fluid flow, vibrating strings and membranes, waves (sound, electromagnetic), transport phenomena, and quantum mechanics. The course focuses on analytical methods for solving PDEs with extensions into Fourier theory, L2 theory, and Sturm-Liouville theory. Prerequisites: MATH 245 and 333.

MATH 441. Algebra II. (4 Credits)
Advanced group theory, including group actions and Sylow topics. Module theory with selected applications. Galois theory of field extensions. Multivariable polynomial rings with applications of Groebner bases. Introduction to the concept of categories. Prerequisite: MATH 341. Offered fall of even-numbered years.

MATH 451. Analysis II. (2 or 4 Credits)
Study of topics from real analysis. Prerequisite: MATH 351. Alternate years.

MATH 463. Probability & Statistics II. (4 Credits)
Starting from a review of probability distributions and their underlying assumptions and features, this course focuses upon statistical inference and data analysis. Topics will be chosen from parametric hypothesis testing, ANOVA, contingency tables and tests for independence, regression techniques and some Bayesian/non-parametric methodology. Prerequisite: MATH 363.

MATH 485. Advanced Topics in Mathematics. (4 Credits)
Selected topics from advanced mathematics, such as Number Theory, Partial Differential Equations, or Differential Geometry. Prerequisite: MATH 245.

MATH 493. Mentored Research Seminar. (2 or 4 Credits)
Faculty and student collaboration on a project of mutual interest. Limited enrollment - faculty approval required.

MATH 494. Senior Seminar. (2 Credits)
494-1. (Section 1) "Mathematics and Its Foundations". A study of the historical development of the main ideas in mathematics, with an emphasis on the nineteenth-century developments in axiomatics, logic, number and set theory which led to the twentieth-century developments in the philosophy and foundations of mathematics. As a Christ at the Core Capstone course, students will actively participate in this learning experience by extensive reading, group discussions and several written assignments. Prerequisites: Senior standing in the mathematics major, MATH 341 and 351.; 494-2. (Section 2) "Applied Mathematics Senior Seminar". Christ at the Core Capstone course integrating the applied math program with liberal arts learning. Historical survey and current applications of important mathematical equations and models. Applied project work and oral presentations connecting applied mathematics with other disciplines, humanitarian organizations, and/or faith-based mission in under-served communities, and also with Christ at the Core learning. Reflection on diverse and distinctive callings of Christian mathematicians and the Christ at the Core student calling to grow in knowledge, wisdom and Christian character. Prerequisites: Senior standing in the applied math major including MATH 302, or consent of instructor.
MATH 495. Problems In Mathematics. (1 to 4 Credits)
Independent study for senior majors. A maximum of two hours can be applied to the major.

MATH 496. Internship. (1 to 4 Credits)
Graded pass/fail. Prerequisite: junior or senior standing with Mathematics or Applied Mathematics major.

Computer Science Courses

CSCI 233. Introduction to Scientific Computing. (4 Credits)
Introduction to programming and computer analysis of data for scientific applications. Scripting and treatment of numerical issues are integrated into the content stream.

CSCI 235. Programming I: Problem Solving. (4 Credits)
A first course in computer programming for beginners. Structured and object-oriented programming in Java or a similar programming language. Types, control structures, methods, and recursion; objects, classes, interfaces, encapsulation and polymorphism; exceptions, library classes, file I/O, linked lists, and graphical user interfaces.
Tags: AAQR

CSCI 243. Discrete Mathematics and Functional Programming. (4 Credits)
Sets, logic, the nature of proof, induction, algorithms, algorithm correctness, relations, lattices, functions, and graphs. Functional programming and recursion using the ML programming language. May not be taken after MATH 341 or MATH 351.
Tags: AAQR

CSCI 245. Programming II: Object-Oriented Design. (4 Credits)
A gateway to the computer science major, introducing a range of themes in the field of computer science. Object-oriented programming in Java or a similar language: code reuse with composition and inheritance; generic types; design patterns. Software development: development tools, attributes of good design. Algorithmic analysis; searching and sorting algorithms. Abstract data types: stacks, queues, trees, hashing: linked vs array-based implementation. Systems programming in C; pointers and dynamic allocation; model of machine memory, organization, and execution. Prerequisite: CSCI 235 or departmental approval.

CSCI 335. Software Development. (4 Credits)
Principles and practices of software development including design patterns, validation and testing, coordination of team projects. Introduction to databases and user interface design. Professional issues in computing.
Prerequisite: CSCI 245; Pre or Corequisite: CSCI 243.

CSCI 345. Data Structures & Algorithms. (4 Credits)
Formal and experimental approaches to verifying algorithms’ correctness and analyzing their efficiency. Abstract data types and their implementations. Efficient implementations of maps using balanced binary search trees and hash tables. Graph algorithms. Dynamic programming.
Prerequisites: CSCI 243 and CSCI 245.

CSCI 351. Introduction to Computer Systems. (4 Credits)
An introduction to low-level systems issues from the perspective of the programmer. Representation of both data and program as produced by a compiler; hardware support for memory, input/output, and parallelism; fundamental ideas in operating systems and networking.
Prerequisite: CSCI 245.

CSCI 357. Networking. (4 Credits)
Examination of the fundamental problems in computer internetworking, from the link to application levels, with particular attention to the Internet protocols. Issues include naming/addressing, error-handling, routing, and decentralized control.
Prerequisite: CSCI 351.

CSCI 361. Computer Graphics. (4 Credits)
Introduction to graphical programming environments, OpenGL libraries. Rendering three-dimensional images, transformations, windowing, clipping, shading, and image enhancements. Prerequisite: CSCI 345.

CSCI 365. Programming Language Concepts. (4 Credits)
A survey of the design and implementation of programming languages: grammars, parsing, and abstract syntax; compilers, interpreters, and other language systems; type-checking and other static analyses; formal semantic specifications; implementation of imperative, functional, and object-oriented language features; type-soundness proofs; tail form and continuation passing style.
Prerequisites: CSCI 335 and CSCI 351.

CSCI 371. Database Management Systems. (4 Credits)
Prerequisites: CSCI 335 and CSCI 345.

CSCI 384. Computational Linguistics. (4 Credits)
An exploration of big ideas in computational linguistics, natural language processing, and/or language technologies. Language models, n-grams, information theory and entropy, and semantics. Applications of computational linguistics such as part-of-speech tagging, authorship attribution, automatic translation, and sentiment analysis.
Prerequisite: CSCI 345 (non-majors without the prerequisite may enroll with departmental approval).

CSCI 394. Seminar. (2 or 4 Credits)
Selected topics in Computer Science at each offering, including such subjects as object-oriented design, e-commerce, human computer interface, networking services. May be taken again when a different topic is offered.
Prerequisite: Departmental approval.

CSCI 445. Analysis of Algorithms. (4 Credits)
An introduction to algorithmic efficiency and to techniques for the design and analysis of efficient algorithms. General topics include review of asymptotics, algorithm design techniques (such as divide-and-conquer, dynamic programming, and greedy algorithms), graph algorithms, languages and automata, and NP-completeness.
Prerequisite: CSCI 345.

CSCI 455. Operating Systems. (4 Credits)
Dynamic process activation, system structure, abstract machines, kernels, performance evaluation, memory management, processor management, time management, recovery procedures, file systems, security, scheduling, device management, networks.
Prerequisites: CSCI 335 and CSCI 351.

CSCI 493. Mentoring Seminar. (2 or 4 Credits)
Faculty and student collaboration on a project of mutual interest. Limited enrollment - faculty approval required.

CSCI 494. Social and Ethical Issues in Computing. (2 Credits)
A study of the ways in which the computer and communications revolution is changing society to develop an awareness of and sensitivity to the ethical issues that arise in computer science and related professions.
Prerequisite: Senior standing in the major.

CSCI 495. Independent Study. (1 to 4 Credits)
An individually adapted study of any aspect of computing science or its relationship to other fields of study.

CSCI 496. Internship. (2 or 4 Credits)
Graded pass/fail. Prerequisite: junior or senior standing with Computer Science major. May repeat once for a total of 4 hours.
Mathematics Major with Pure Math Concentration

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for a major in Mathematics with Pure Math Concentration are as follows:

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MATH 232</td>
<td>Calculus II</td>
<td>2-4</td>
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<tr>
<td>or MATH 234</td>
<td>Calculus II B</td>
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<tr>
<td>MATH 245</td>
<td>Linear Algebra</td>
<td>4</td>
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<tr>
<td>MATH 301</td>
<td>Intro to Upper-Level Math</td>
<td>2</td>
</tr>
<tr>
<td>MATH 241</td>
<td>Introduction to Proofs</td>
<td>2-4</td>
</tr>
<tr>
<td>or CSCI 243</td>
<td>Discrete Mathematics and Functional Programming</td>
<td></td>
</tr>
<tr>
<td>MATH 331</td>
<td>Vector Calculus</td>
<td>2</td>
</tr>
<tr>
<td>CSCI 235</td>
<td>Programming I: Problem Solving</td>
<td>4</td>
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<tr>
<td>or CSCI 245</td>
<td>Programming II: Object-Oriented Design</td>
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**Applied Courses:**

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<tr>
<td>MATH 333</td>
<td>Differential Equations</td>
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<tr>
<td>MATH 363</td>
<td>Probability and Statistics I</td>
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**Capstone:**

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<tr>
<td>MATH 494</td>
<td>Senior Seminar</td>
<td>2</td>
</tr>
</tbody>
</table>

**Area of Concentration - Pure Math:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 341</td>
<td>Modern Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MATH 351</td>
<td>Analysis I</td>
<td>4</td>
</tr>
</tbody>
</table>

Select two from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 352</td>
<td>Complex Analysis</td>
<td>4-8</td>
</tr>
<tr>
<td>MATH 362</td>
<td>Geometry</td>
<td></td>
</tr>
<tr>
<td>MATH 441</td>
<td>Algebra II</td>
<td></td>
</tr>
<tr>
<td>MATH 451</td>
<td>Analysis II</td>
<td></td>
</tr>
<tr>
<td>MATH 485</td>
<td>Advanced Topics in Mathematics</td>
<td></td>
</tr>
<tr>
<td>MATH 493</td>
<td>Mentored Research Seminar</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits: 38-46

Mathematics Major with Statistics Concentration

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for a major in Mathematics with Statistics Concentration are as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 232</td>
<td>Calculus II</td>
<td>2-4</td>
</tr>
<tr>
<td>or MATH 234</td>
<td>Calculus II B</td>
<td></td>
</tr>
<tr>
<td>MATH 245</td>
<td>Linear Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MATH 301</td>
<td>Intro to Upper-Level Math</td>
<td>2</td>
</tr>
<tr>
<td>MATH 241</td>
<td>Introduction to Proofs</td>
<td>2-4</td>
</tr>
<tr>
<td>or CSCI 243</td>
<td>Discrete Mathematics and Functional Programming</td>
<td></td>
</tr>
<tr>
<td>MATH 331</td>
<td>Vector Calculus</td>
<td>2</td>
</tr>
<tr>
<td>CSCI 235</td>
<td>Programming I: Problem Solving</td>
<td>4</td>
</tr>
<tr>
<td>or CSCI 245</td>
<td>Programming II: Object-Oriented Design</td>
<td></td>
</tr>
</tbody>
</table>

**Applied Courses:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 333</td>
<td>Differential Equations</td>
<td>4</td>
</tr>
<tr>
<td>MATH 363</td>
<td>Probability and Statistics I</td>
<td>4</td>
</tr>
</tbody>
</table>

**Capstone:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 494</td>
<td>Senior Seminar</td>
<td>2</td>
</tr>
</tbody>
</table>

**Area of Concentration - Statistics:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 341</td>
<td>Modern Algebra</td>
<td>4</td>
</tr>
</tbody>
</table>
Mathematics Major with Secondary Education Concentration

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for a major in Mathematics with Secondary Education Concentration are as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introductory Courses:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 232</td>
<td>Calculus II</td>
<td>2-4</td>
</tr>
<tr>
<td>or MATH 234</td>
<td>Calculus II B</td>
<td></td>
</tr>
<tr>
<td>MATH 245</td>
<td>Linear Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MATH 301</td>
<td>Intro to Upper-Level Math</td>
<td>2</td>
</tr>
<tr>
<td>MATH 241</td>
<td>Introduction to Proofs</td>
<td>2-4</td>
</tr>
<tr>
<td>or CSCI 243</td>
<td>Discrete Mathematics and Functional Programming</td>
<td></td>
</tr>
<tr>
<td>MATH 331</td>
<td>Vector Calculus</td>
<td>2</td>
</tr>
<tr>
<td>Computing Course:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSCI 235</td>
<td>Programming I: Problem Solving</td>
<td>4</td>
</tr>
<tr>
<td>or CSCI 245</td>
<td>Programming II: Object-Oriented Design</td>
<td></td>
</tr>
<tr>
<td>Applied Courses:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 333</td>
<td>Differential Equations</td>
<td>4</td>
</tr>
<tr>
<td>MATH 363</td>
<td>Probability and Statistics I</td>
<td>4</td>
</tr>
<tr>
<td>or MATH 263</td>
<td>Introduction to Statistics</td>
<td></td>
</tr>
<tr>
<td>Capstone:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 494</td>
<td>Senior Seminar</td>
<td>2</td>
</tr>
</tbody>
</table>

Area of Concentration - Secondary Education:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 324</td>
<td>Methods of Teaching Mathematics</td>
<td>2</td>
</tr>
<tr>
<td>MATH 325</td>
<td>Methods of Teaching Middle Grade Mathematics</td>
<td>2</td>
</tr>
<tr>
<td>MATH 341</td>
<td>Modern Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MATH 351</td>
<td>Analysis I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 362</td>
<td>Geometry</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Credits 42-46

Mathematics Minor

Requirements

Requirements for a minor in Mathematics are 20 hours of courses in mathematics numbered 200 or above.

Computer Science Major

Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for a major in Computer Science are:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Requirements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSCI 235</td>
<td>Programming I: Problem Solving</td>
<td>4</td>
</tr>
<tr>
<td>CSCI 243</td>
<td>Discrete Mathematics and Functional Programming</td>
<td>4</td>
</tr>
<tr>
<td>CSCI 245</td>
<td>Programming II: Object-Oriented Design</td>
<td>4</td>
</tr>
<tr>
<td>CSCI 335</td>
<td>Software Development</td>
<td>4</td>
</tr>
<tr>
<td>CSCI 345</td>
<td>Data Structures &amp; Algorithms</td>
<td>4</td>
</tr>
<tr>
<td>CSCI 351</td>
<td>Introduction to Computer Systems</td>
<td>4</td>
</tr>
<tr>
<td>CSCI 494</td>
<td>Social and Ethical Issues in Computing</td>
<td>2</td>
</tr>
</tbody>
</table>

Select 12 additional credits of computer science above 300 1

Total Credits 38

1 Excluding CSCI 493 Mentoring Seminar, CSCI 495 Independent Study, and CSCI 496 Internship.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supporting Requirements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 231</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 245</td>
<td>Linear Algebra</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 231</td>
<td>Introductory Physics I (or another 4-credit mathematics course numbered 232 or above)</td>
<td>4</td>
</tr>
</tbody>
</table>

Recommended:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 232</td>
<td>Calculus II</td>
<td></td>
</tr>
<tr>
<td>MATH 363</td>
<td>Probability and Statistics I</td>
<td></td>
</tr>
</tbody>
</table>

Appropriate substitutions for students placed out of CSCI 235 are:

- 4 hours of computer science above 300 (excluding CSCI 496 Internship),
- MATH numbered MATH 232 or above, or
- PHYS 232.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students preparing for graduate study should take:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSCI 445</td>
<td>Analysis of Algorithms</td>
<td>4</td>
</tr>
</tbody>
</table>

At least one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 365</td>
<td>Programming Language Concepts</td>
<td></td>
</tr>
<tr>
<td>or CSCI 455</td>
<td>Operating Systems</td>
<td></td>
</tr>
</tbody>
</table>

Computer Science Minor

Requirements

Requirements for a minor in Computer Science are 20 hours of computer science selected from courses numbered 200 or above.
Military Science

The purpose of the Army Reserve Officers Training Corps (ROTC) is to enable college students to pursue a course of study which will prepare them professionally upon graduation, for appointment as officers in the United States Army, Army Reserve, or Army National Guard.

The Rolling Thunder Battalion is a cooperative effort to which the Army and Wheaton College have mutually agreed as a means of providing officer leadership in the interest of national security. The Rolling Thunder Battalion cadre provide leadership training and practical experience designed to develop the traits essential to achieving a high degree of success in military, as well as civilian pursuits.

The Military Science curriculum consists of two two-year courses. First, the Basic Course consists of eight semester hours (4 courses) taken during freshman and sophomore years. Students who are unable to complete the on-campus Basic Course may attend the Army’s Basic Camp, an intensive 29-day summer camp (in lieu thereof) between their freshman/sophomore or sophomore/junior years with departmental approval. The Professor of Military Science may also waive all or part of the Basic Course requirement based on prior military experience or Junior ROTC experience.

Once students have satisfactorily completed the Basic Course, they may apply for enrollment in the Advanced Course. If selected for enrollment in the Advanced Course, the student signs a contract with the United States Government in which s/he agrees to complete the course of instruction, attend the Advanced Camp, and accept a commission in the reserve or active components of the U.S. Army for a period as specified by the Secretary of the Army. The Advanced Course requires 16 semester hours (four complete semesters of courses) plus attendance at the Advanced Camp, a 29-day advanced training camp at Fort Knox, Kentucky, during the summer following the junior year. Students must satisfactorily complete an approved military history course prior to commissioning. Students must be U.S. Citizens to enter into the Advanced Course. Wheaton College requires the student who enters the Advanced Course to meet the obligations of his/her contract as a prerequisite to being granted a certificate in Military Science.

Army ROTC offers 2-, 3-, and 4-year scholarships that pay full tuition and fees. Students can apply at any time from their senior year in high school to the second semester of their sophomore year in college. All contracted students also earn $420 monthly stipend while in school, and an annual allowance for books and miscellaneous fees.

Graduate students are welcomed to join ROTC at Wheaton College. Graduate students should contact the ROTC office for guidance on requirements for joining the program.

Military Science I and II, Basic Course (MSCI)

Military Science (MSCI) I and II, Basic Course consists of:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSCI 101</td>
<td>Introduction to the Army and Critical Thinking</td>
<td>2</td>
</tr>
<tr>
<td>MSCI 102</td>
<td>Introduction to the Profession of Arms</td>
<td>2</td>
</tr>
<tr>
<td>MSCI 201</td>
<td>Leadership and Decision Making</td>
<td>2</td>
</tr>
<tr>
<td>MSCI 202</td>
<td>Army Doctrine and Team Development</td>
<td>2</td>
</tr>
</tbody>
</table>

With departmental approval, MSCI 103 may be taken between sophomore and junior years in lieu of the on-campus program.

NOTE: Leadership Lab, MSCI 123 (0 hours), is a corequisite for all ROTC courses.

Military Science III and IV, Advanced Course (MSCI)

While consisting of four distinct semesters, the Advanced Course is structured as a two-phased program leading to commissioning. The principle lessons of operations and tactics, coupled with leadership are progressive.

Phase one focuses on enhanced tactics at the small unit level during the Junior year in preparation for the Advanced Camp. By the end of phase one, the cadet is prepared for all aspects of the campus evaluation process and capable to lead small unit tactical operations. The culminating event of phase one is the cadet’s successful completion of Advanced Camp.

Phase two focuses on final preparation for commissioning at the end of Senior year. In addition to military skills, cadets receive a continuation of leadership exercises to synthesize and integrate the principles of leadership previously learned in the Basic Course. By the end of phase two, cadets will have confidence in their abilities to lead, make decisions and motivate subordinates within their organization. The semesters are designed to maximize cadet participation, inspire intellectual curiosity and stimulate self-directed study. Completion of the Advanced Course prepares the cadet for the physical, emotional, and intellectual challenges of leadership of the evolving Army in the twenty-first century.

Phase I

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSCI 301</td>
<td>Training Management and the Warfighting Functions</td>
<td>4</td>
</tr>
<tr>
<td>MSCI 302</td>
<td>Applied Leadership in the Small Unit Operations</td>
<td>4</td>
</tr>
<tr>
<td>MSCI 303</td>
<td>Advanced Camp (Summer)</td>
<td>4</td>
</tr>
</tbody>
</table>

Phase II

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSCI 401</td>
<td>The Army Officer</td>
<td>4</td>
</tr>
<tr>
<td>MSCI 402</td>
<td>Company Grade Leadership</td>
<td>4</td>
</tr>
<tr>
<td>MSCI 494</td>
<td>Leadership Principles (optional)</td>
<td>2</td>
</tr>
<tr>
<td>MSCI 495</td>
<td>Independent Study (optional)</td>
<td>1-4</td>
</tr>
</tbody>
</table>

Faculty

Chair, Professor LTC Steven Kurczak
Assistant Professors CPT David Nigh, Troy Albuck
Recruiting Officer Nathaniel LaLone
Academic Counseling & Human Resources (Army) Mandie Porick
Human Resources Assistant Manette Aloba

Programs

- Military Science Certificate (p. 166)
Courses

Military Science Courses

MSCI 101. Introduction to the Army and Critical Thinking. (2 Credits)
This course introduces cadets to the personal challenges and competencies that are critical for effective leadership. Cadets learn how the personal development of life skills such as critical thinking, goal setting, time management, physical fitness, and stress management relate to leadership, officership, and the Army profession. The focus is on developing basic knowledge and comprehension of Army leadership dimensions while gaining a big picture understanding of the ROTC program, its purpose in the Army, and its advantages for the student. Emphasis on "hands-on" learning also includes blocks of instruction on map reading, orienteering, marksmanship, and rappelling, as well as weekly leadership laboratories, one weekend field trip, and physical training. Upon completion of this semester, the cadets should be prepared to receive more complex leadership instruction. Corequisite: MSCI 123. Fall only.

MSCI 102. Introduction to the Profession of Arms. (2 Credits)
This course overviews leadership fundamentals such as setting direction, problem solving, listening, presenting briefs, providing feedback, and using effective writing skills. Cadets explore dimensions of leadership values, attributes, skills, and actions in the context of practical, hands-on, and interactive exercises. Cadre role models and the building of stronger relationships among the cadets through common experience, and practical interaction are critical aspects of the MSCI 102 experience. Course includes weekly leadership lab, one weekend field trip, and physical training. Corequisite: MSCI 123. Spring only.

MSCI 103. Basic Camp. (0 or 4 Credits)
This course is a 29-day summer training course conducted at Fort Knox, Kentucky, designed to teach the fundamentals of soldiering and leadership and to enhance personal confidence using practical, hands-on exercises including: land navigation, rifle marksmanship, first aid, individual and unit tactics, obstacle courses, and rappelling. Basic Camp is required of all students who have signed an ROTC contract to attend following their freshman year. Military pay approximately $750 (Optional four hours credit. Special tuition charge $25.) Summer. Departmental Approval Required. (0, 4)

MSCI 123. Leadership Laboratory. (0 Credits)
Practical application of military skills taught in MSCI basic and advanced courses. Hands-on training in basic soldier’s skills, squad and platoon tactics, weapons, communications, and organizational leadership. Corequisite for MSCI 101/MSCI 102, MSCI 201/MSCI 202, MSCI 301/MSCI 302, MSCI 401/MSCI 402. Graded pass/fail.

MSCI 201. Leadership and Decision Making. (2 Credits)
This course explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and two historical leadership theories that form the basis of the Army leadership framework. Cadets practice aspects of personal motivation and team building in the context of planning, executing, and assessing team exercises and participating in leadership labs. Focus is on continued development of the knowledge of leadership values and attributes through an understanding of Army rank, structure, and duties and basic aspects of land navigation and squad tactics. Case studies provide tangible context for learning the Soldier’s Creed and Warrior Ethos in the contemporary operating environment. The course also includes one weekend field trip, weekly leadership laboratories, and physical training. Corequisite: MSCI 123. Fall only.

MSCI 202. Army Doctrine and Team Development. (2 Credits)
This course examines the challenges of leading tactical teams in the contemporary operating environment (COE). The course highlights dimensions of terrain analysis, patrolling, and operation orders. Further study of the theoretical basis of the Army leadership framework explores the dynamics of adaptive leadership in the context of military operations and what impact does this framework have for the officer. MSCI 202 provides a smooth transition into MSCI 301. Cadets develop greater self-awareness as they assess their own leadership styles and practice communication and team building skills. COE case studies give insight into the importance and practice of teamwork and tactics in real-world scenarios. This includes one weekend field trip, weekly leadership laboratories, and physical training. Corequisite: MSCI 123. Spring only.

MSCI 211. American Military History. (2 Credits)
Introduces cadets to American military history using principles of warfare, threads of continuity, and battle analysis. Additionally, cadets will investigate implications of historical lessons in American warfare. This course is required for commissioning. Fall only.

MSCI 301. Training Management and the Warfighting Functions. (4 Credits)
MSCI 301 challenges cadets to study, practice, and evaluate adaptive leadership skills as they are presented with challenging scenarios related to squad tactical operation. Cadets receive systematic and specific feedback on their leadership attributes and actions. Based on such feedback, as well as their own self-evaluations, cadets continue to develop their leadership and critical thinking abilities. Additional emphasis will be placed on ethical decision-making. The focus is developing cadets’ tactical leadership abilities to enable them to succeed at the summer - Cadet Leader Course (Advanced Camp), MSCI 303. Course includes weekly leadership lab, one weekend field trip, and physical training. Prerequisite: Basic Course credit; Corequisite: MSCI 123. Fall only.

MSCI 302. Applied Leadership in the Small Unit Operations. (4 Credits)
MSCI 302 uses increasingly intense situational leadership challenges to build cadet awareness and skills in leading small units. Skills in decision-making, persuading and motivating team members when "under fire" are explored, evaluated, and developed. Aspects of military operations are reviewed as a means of preparing for Advanced Camp. Cadets are expected to apply basic principles of biblical ethics, the Law of Land Warfare, Army training, and motivation to troop leading procedures. Emphasis is also placed on conducting military briefings and developing proficiency in garrison operation orders. MSCI 302 cadets are evaluated on what they know and do as leaders. Cadets will learn the importance of the value of being a leader of character. Course includes weekly leadership lab, one weekend field trip, and physical training. Prerequisite: MSCI 301; Corequisite: MSCI 123. Spring only.

MSCI 303. Advanced Camp. (0 or 4 Credits)
Approximately 6,500 cadets nationwide will attend Advanced Camp at Fort Knox, Kentucky, each year. The 29-day course starts with individual training and leads to collective training, building from simple to complex tasks. This building-block approach permits integration of previously-learned skills into follow-on training. This logical, common-sense training sequence is maintained for each training cycle. Every day at Advanced Camp is a day of training. Cadets are paid a per diem while attending. Prerequisite: MSCI 302. (Optional four hours credit. Special tuition charge $25.) Summer (0, 4)
M斯基 401. The Army Officer. (4 Credits)
M斯基 401 develops cadet proficiency in planning, executing, and assessing complex operations, functioning as a member of a staff, and providing performance feedback to subordinates. Cadets assess risk, make ethical decisions, and lead fellow ROTC cadets. Cadets will learn how to effectively mentor subordinate leaders professionally. Cadets learn the art of Mission Command and understand the tenets of the Army as a profession. Lessons on military justice and personnel processes prepare cadets to make the transition to Army officers. M斯基 401 cadets analyze, evaluate, instruct cadets at lower levels. Both their classroom and battalion leadership experiences are designed to prepare M斯基 401 cadets for their first unit of assignment. They identify responsibilities of key staff, coordinate staff roles, and use situational opportunities to teach, train, and develop subordinates. Course includes weekly leadership lab, one weekend field trip, and physical training. Prerequisite: M斯基 302; Corequisite: M斯基 123. Fall only.

M斯基 402. Company Grade Leadership. (4 Credits)
This course explores the dynamics of leading in the complex situations of current military operations in the contemporary operating environment. Cadets examine differences in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. They also explore aspects of interacting in other cultures, with intergovernmental agencies and nongovernmental organizations. The course places significant emphasis on preparing cadets for their first unit of assignment as a company grade officer. The course emphasizes case studies, scenarios, and exercises to prepare cadets to face the complex ethical and practical demands of leading as commissioned officers in the United States Army. Course includes weekly leadership lab, one weekend field trip, and physical training. Prerequisite: M斯基 401; Corequisite: M斯基 123. Spring only.

Mски 494. Leadership Principles. (2 Credits)
Focuses on leadership theory and principles. Cadet will choose texts from a Professional Reading list selected by the Army which will emphasize leadership lessons and principles. Departmental Approval Required.

M斯基 495. Independent Study. (1 to 4 Credits)
Typically offered to students whose course work requires more than 8 semesters to complete. Departmental Approval Required.

Military Science Certificate

Requirements
Requirements for the Certificate in Military Science are a minimum of 24 hours including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M斯基 101</td>
<td>Introduction to the Army and Critical Thinking</td>
<td></td>
</tr>
<tr>
<td>M斯基 102</td>
<td>Introduction to the Profession of Arms</td>
<td></td>
</tr>
<tr>
<td>M斯基 201</td>
<td>Leadership and Decision Making</td>
<td></td>
</tr>
<tr>
<td>M斯基 202</td>
<td>Army Doctrine and Team Development</td>
<td></td>
</tr>
<tr>
<td>Mски 211</td>
<td>American Military History</td>
<td></td>
</tr>
<tr>
<td>M斯基 301</td>
<td>Training Management and the Warfighting</td>
<td></td>
</tr>
<tr>
<td>Functions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M斯基 302</td>
<td>Applied Leadership in the Small Unit Operations</td>
<td></td>
</tr>
<tr>
<td>M斯基 303</td>
<td>Advanced Camp</td>
<td></td>
</tr>
<tr>
<td>M斯基 401</td>
<td>The Army Officer</td>
<td></td>
</tr>
</tbody>
</table>

Minimum total credits 24
Modern and Classical Languages

The Department of Modern and Classical Languages prepares students for a major or minor in both classical (Greek, Latin and Hebrew) and modern (Chinese, French, German and Spanish) languages. The goals of our programs are threefold:

Develop linguistic proficiency.

For the classical languages this means the ability to read Greek with relative ease (Hebrew and Latin are optional), and to develop interpretive skills. For the modern languages this means attaining an advanced level of competency in the areas of listening, speaking, reading, and writing.

Develop cultural proficiency.

Courses in the Classical Languages section introduce students to the various cultures and civilizations of the Ancient Near East, from the Neolithic through the Koiné period. Emphasis is given to translation and understanding of texts of the Old and New Testaments, as well as to classical and non-canonical texts.

Courses in Chinese, French, German and Spanish introduce students to the issues and lifestyles of contemporary society in the target cultures. Modern language courses also introduce students to the literary, historical, artistic, and religious development of the language regions via study of representative works of various literary genres and related art and cultural forms.

Develop a thoroughly Christian worldview.

The Department of Modern and Classical Languages exists to prepare graduates to serve the church and society by fostering clear communication and cultural understanding. Language study promotes growth, appreciation and understanding of God’s work among peoples and cultures by engaging students with persons and texts from cultures different from their own, whether ancient or modern. Study abroad for modern language students provides opportunity for experiential learning. Through this process students enhance their awareness of their own linguistic, cultural, and religious heritage, while learning to relate with respect and consideration to persons from diverse backgrounds as enlightened citizens of the world and as worthy representatives of the kingdom of Jesus Christ.

The essence of a liberal arts education is to interact with all of God’s world from a Christian perspective. Language study equips students to do so especially well by challenging them to master a language, to grasp concepts and shape their own, to ask significant questions and seek answers, to develop original ideas, and to become intellectually self-motivated, life-long learners and servants of Christ. The major thus offers a solid base for further professional training. Completion of the minor provides functional ability in the second language and preparation for becoming a bilingual professional.

Faculty

Chair, Gerald F. Hawthorne Professor of New Testament Greek and Exegesis Jon Laansma
Assistant Chair, Assistant Lecturer Rebecca Toly
Professor Alan Savage
Associate Professors Sheri Abel, Christine Kepner, Alexander Loney, Doug Penney, Nestor Quiroa, Clinton Shaffer, Tamara Townsend
Assistant Professor Stephanie Gates
Senior Lecturers Sharenda Barlar, Timothy Klingler
Associate Lecturer Rose Wang
Visiting Associate Lecturer Litong Chen

Programs

- Chinese Major (p. 173)
- Chinese Minor (p. 174)
- Classical Languages Major (Greek/Hebrew/Latin) (p. 174)
- Classical Languages Minor (Greek/Hebrew/Latin) (p. 174)
- French Major (p. 175)
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- German Studies Major (p. 175)
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- Latin for Classical Christian Education Certificate (p. 177)
- Spanish Major (p. 177)
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Courses

Chinese Courses

CHIN 101. Elementary Mandarin Chinese. (4 Credits)
Beginning Chinese with emphasis on understanding, speaking, reading, and writing. Laboratory practice.

CHIN 102. Elementary Mandarin Chinese. (4 Credits)
Beginning Chinese with emphasis on understanding, speaking, reading, and writing. Laboratory practice.

CHIN 103. Accelerated Elementary Chinese. (4 Credits)
Intensive study of beginning Chinese with emphasis on understanding, speaking, reading and writing. Laboratory work. Required of heritage speakers of Chinese who speak and understand Chinese but who have little or no reading and writing ability. Also required of non-Chinese students with two years of high school Chinese or who place by test score into second-semester Chinese. Prerequisite: Heritage speakers of Chinese or non-Chinese students with only two years of high school Chinese or second semester Chinese by placement test score. Fall semester only.

CHIN 201. Intermediate Mandarin Chinese. (4 Credits)
Conversation, composition, and grammar review based on readings and videos; exploration of various aspects of Chinese culture. Laboratory practice. Prerequisite to any further study in Chinese. Prerequisite: CHIN 102, 103 (or equivalent)

General Education: COMP

CHIN 301. Chinese Character Acquisition. (2 Credits)
Introduction to the basic component parts of Chinese characters and how characters vary as they are combined. May be taken concurrently with a Chinese language course at the intermediate level or above. Prerequisite: CHIN 201, Language Competency equivalent or permission of instructor.
CHIN 302. Chinese Through Scripture. (4 Credits)
Introduction to the Chinese Bible and its translation via selected readings. Focus on basic Christian terminologies and statements in Chinese about God, Jesus, worship, and prayer. Practice character recognition and oral communication through reading of the Bible. May be taken concurrently with a Chinese language course at the intermediate level or above. Prerequisite: CHIN 201, Language Competency requirement or permission of instructor.

CHIN 303. Chinese Grammar. (4 Credits)
Introduction of the major features of Chinese grammar. Discussion of structures, situations, and functions and practice with corresponding exercises. Prerequisite: CHIN 201, Language Competency equivalent or permission of instructor.

CHIN 331. Chinese Conversation. (4 Credits)
Intensive practice in oral communication and listening comprehension with emphasis on natural spoken expression based on audio materials, videos, and readings of authentic texts. Development of reading and writing skills through exposure to additional Chinese characters. Prerequisite: CHIN 201, Language Competency requirement or permission of instructor.

CHIN 332. Chinese Composition. (4 Credits)
Development of punctuation, sentence and paragraph structures, and practice with basic Chinese literary styles such as narration, description, exposition, argument, and correspondence. Emphasis on writing practices as well as group discussions, presentations and oral compositions. Prerequisite: CHIN 201, Language Competency requirement or permission of the instructor.

CHIN 334. Intro to Chinese Culture. (2 Credits)
Students gain their initial understanding of Chinese customs and cultural essence prior to or during their trip to study in China. With a special emphasis on comparing and contrasting this course examines both the similarities and differences of the East and the West to help students get a deeper understanding of the Chinese culture as well as their own cultural heritage. Daily journaling is required with some suggested reading materials. Offered in China or on campus. Prerequisite: Acceptance into Wheaton in China program or permission of instructor.

CHIN 335. Business Chinese. (2 Credits)
This course introduces Chinese communication skills (listening, speaking, reading, and writing) used in various business situations. Students build vocabulary and social awareness via business websites and documents and practice communicative skills through simulations and related business tasks. Students will also gain understanding of the social and cultural aspects of the Chinese business context. This course may be taken alongside a Chinese language course at the intermediate level or above. Offered every other year. Prerequisite: CHIN 201, Language Competency requirement or permission of the instructor.

CHIN 336. Chinese Cinema. (4 Credits)
Viewing, analysis and critique of Mandarin-language films from Mainland China, Taiwan, and Hong Kong depicting urban and rural contexts. Practice in aural comprehension, reading authentic texts, writing synopses and reviews; discussion of character development, thematic analysis and cinematic techniques. Prerequisite: CHIN 201, Language Competency requirement or permission of the instructor.

CHIN 337. Readings of Chinese Culture and Society. (4 Credits)
Selected readings of authentic texts on topics of Chinese culture, contemporary Chinese life, and social issues as well as from various literary works. Dual emphasis on language learning and building of cultural awareness. Prerequisite: CHIN 201, Language Competency requirement or permission of instructor.

Tags: GP

CHIN 338. Advanced Chinese in China. (4 Credits)

Tags: GP

CHIN 341. Special Topics in Chinese Language and Culture. (4 Credits)
Further development of oral proficiency. Immersion experience and practice on culture and language. Advanced grammar, conversation, and composition taught by native speakers in a Chinese university setting. Course content and level variable. Offered in China only. Prerequisites: CHIN 331 or permission of instructor. Corequisite: Acceptance into Wheaton in China program.

Tags: GP

CHIN 346. Modern Chinese Literature. (4 Credits)
Introduction of literary works of major Chinese writers during the twentieth century. Readings include short stories, poetry and essays, each placed in its unique societal, historical, and political contexts so as to present a holistic picture of a modern China. All texts will be studied in Chinese. Prerequisite: CHIN 337 or permission of the instructor.

Tags: LE

CHIN 351. Classical Chinese Poetry. (2 Credits)
This course offers learners some of the basic tools for reading Classical (literary) Chinese, the written language of China from the sixth century B.C. through the second century A.D. and well beyond. Students will read the most well-known poems of the Tang poets including Li Bai, Du Fu, Wang Wei, etc. Prerequisite: CHIN 201, Language Competency requirement or permission of instructor.

CHIN 494. Senior Seminar. (4 Credits)
Examination of literary or cultural topics from perspectives of contemporary critical theory. Students produce a major research paper that integrates faith with the subject matter. Prerequisites: CHIN 331, 332, Study Abroad, CHIN 337, 346 or departmental approval.

CHIN 495. Independent Study. (1 to 4 Credits)
Reading and individual study of selected aspects of Chinese culture, literature, or language. Department approval required.

Greek Courses

GREK 101. Elementary Greek I. (4 Credits)
Intensive study of elementary grammar, syntax, and vocabulary; selected readings from Ancient Greek authors including those of the New Testament.

GREK 102. Elementary Greek II. (4 Credits)
Intensive study of elementary grammar, syntax, and vocabulary; selected readings from Ancient Greek authors including those of the New Testament. Prerequisite: GREK 101.
GREK 201. Intermediate Greek. (4 Credits)
Review of grammar and syntax accompanied by selections from various Greek authors including those of the New Testament. Prerequisite to further work in Greek. Prerequisite: GREK 102 (or equivalent)

General Education: COMP

GREK 331. Athenian Tragedy. (4 Credits)
Reading a tragedy by Sophocles or Euripides: Oedipus Tyrannus, Antigon, Medea, Bacchae, or other; introduction to literary and historical conventions of Athenian dram; style and dialect of choral poetry; meter; considerations of ethics, gender, myth, religion, and intertextuality. Prerequisite: GREK 201 or competency.

GREK 332. Homer: Iliad. (4 Credits)
Intensive readings of selected books from the Iliad; introduction to Homeric dialect and meter and the Homeric question; issues of interpretation, especially warfare, ethics, glory, death, and the gods. Prerequisite: GREK 201 or competency.

GREK 333. Homer’s Odyssey. (4 Credits)
Intensive readings of selected books from the Odyssey, introduction to Homeric dialect and meter and the Homeric question; issues of interpretation, especially conceptions of the hero, humans, the gods, narrative, irony, final research paper on a topic of literary or historical interest. Prerequisite: GREK 201 or competency.

GREK 334. Advanced Koine Reading. (2 or 4 Credits)
New Testament book studies in Greek or selections from the Septuagint or the early church fathers to illustrate the development of thought within Christianity. Prerequisite: GREK 201.

GREK 335. Plato: The Apology of Socrates. (4 Credits)
The life and times of Athens’ most enduring citizen by reading his own defense and others’ accounts of his final days. Prerequisite: GREK 201 or competency.

GREK 336. Classical Rhetoric. (4 Credits)
Intensive readings of speeches selected from Athenian orators: Gorgias, Antiphon, Lysias, Demosthenes, or others; genres and conventions of oratory (deliberative, epideictic, forensic); readings from Aristotle’s Rhetoric (in translation) and its application to ancient oratory; tropes and rhetorical analysis. Prerequisite: GREK 201 or competency.

GREK 337. Greek Prose Composition. (2 Credits)
A systematic review of Greek morphology and syntax by writing sentences in Classical and Koine Greek. Prerequisite: GREK 201.

GREK 338. Herodotus’ Histories. (4 Credits)
Intensive readings of selections from Herodotus’ Histories - the first surviving work of history in the West; introduction to the Ionic dialect and Herodotus’ style; overview of the Histories’ major themes - happiness, fate, freedom, ethnicity, religion, and justice. Prerequisite: GREK 201 or competency.

GREK 339. Myth/Hesiod. (2 Credits)
Study of Greek mythology through reading selections of Hesiod; overview of epic dialect and meter; examination of genre and comparison to eastern Mediterranean analogs (e.g., Genesis). Prerequisite: GREK 201.

GREK 342. NT and Patristics. (4 Credits)
Selections from the Greek NT and patristic literature to illustrate the literary and intellectual background of the ancient world and early Christianity. Prerequisite: GREK 201 or competency.

GREK 343. Septuagint. (4 Credits)
Selections from the Septuagint and intertestamental literature to illustrate the literary and intellectual background of the ancient world leading to Christianity. Prerequisite: GREK 201 or competency.

GREK 451. Greek Exegesis. (2 or 4 Credits)
Exegesis of books or selected portions of larger books of the Greek New Testament. Capability of translation is assumed because of the prerequisite. The purpose of the course is not to teach Greek grammar but to interpret the New Testament from the Greek text. Course may be repeated for different topics. Prerequisites: BITH 213 or 317 or ARCH 213, BITH 325, and completion of GREK 201 or Greek competency.

GREK 487. Topics in Greek Language and Literature. (2 Credits)
Varied subjects. Designated studies in specialized genres, literature, culture, comparative studies, or inter-disciplinary studies. Prerequisite: GREK 201.

GREK 489. Topics in Greek Language and Literature. (4 Credits)
Varied subjects. Designated studies in specialized genres, literature, culture, comparative studies, or inter-disciplinary studies. Prerequisite: GREK 201.

GREK 494. Senior Capstone. (4 Credits)
Classical Language majors will take a capstone course in their senior year that connects ancient Classical languages with other areas of inquiry. The student will do focused research on the texts of the classical world, including but not limited to the Septuagint and the New Testament. Students will demonstrate how their chosen topic relates to Christian faith. Prerequisite: GREK 201.

GREK 495. Independent Reading. (1 to 4 Credits)
Department approval required. Prerequisite: GREK 201.

Hebrew Courses

HEBR 101. Elementary Hebrew I. (4 Credits)
Basic grammar, syntax, and vocabulary with readings from the Old Testament and modern Hebrew authors.

HEBR 102. Elementary Hebrew II. (4 Credits)
Basic grammar, syntax, and vocabulary with readings from the Old Testament and modern Hebrew authors. Prerequisite: HEBR 101

HEBR 201. Intermediate Hebrew. (4 Credits)
Review of grammar and syntax with an introduction to the Masoretic text of the Old Testament, intensive reading from selected Old Testament texts and modern writers. Prerequisite: HEBR 102 (or equivalent)

General Education: COMP

HEBR 487. Topics in Hebrew Language and Literature. (2 Credits)
Varied subjects. Designated studies in specialized genres, literature, culture, comparative studies, or inter-disciplinary studies. Prerequisite: HEBR 201.

HEBR 489. Topics in Hebrew Language and Literature. (4 Credits)
Varied subjects. Designated studies in specialized genres, literature, culture, comparative studies, or inter-disciplinary studies. Prerequisite: HEBR 201.

HEBR 495. Independent Study. (1 to 4 Credits)
An independent study in Hebrew which may be either advanced grammar, reading of the literature, culture, comparative studies, or inter-disciplinary studies. Hebrew Old Testament, or an exegesis of a portion of the Hebrew text of the Old Testament. Department approval required. Prerequisite: HEBR 201.
Latin Courses

LATN 101. Elementary Latin I. (4 Credits)
Introduction to syntax and vocabulary. Readings from representative ancient authors.

LATN 102. Elementary Latin II. (4 Credits)
Introduction to syntax and vocabulary. Readings from representative ancient authors. Prerequisite: LATN 101

LATN 201. Intermediate Latin. (4 Credits)
Review of grammar. Translation of extensive selections from Vergil's Aeneid and other poets. Prerequisite: LATN 102 (or equivalent)

General Education: COMP

LATN 333. Advanced Latin Readings. (2 or 4 Credits)
In-depth readings of selections of Latin literature, focusing on the classical periods of the Roman Republic and Empire. Emphasis will be placed on universal human themes expressed in the literature that shed light on cross-cultural connections between the ancient and modern worlds. Prerequisite: LATN 201.

LATN 341. Ovid's Metamorphoses. (4 Credits)
Intensive readings of selections from Ovid's Metamorphoses, with particular attention to the similarities and differences between Greco-Roman myth and the Bible and to Ovid's historical and cultural context in the age of Augustus. Prerequisite: LATN 201 or competency.

Tags: LE

LATN 342. Apuleius' Metamorphoses and C.S. Lewis. (4 Credits)
Intensive readings of selections from Apuleius' Metamorphoses, with particular attention to the inset narrative of "Cupid and Psyche" and Lewis' retelling of it in his novel "Till We Have Faces", along with selections from the Latin letters of C.S. Lewis. Prerequisite: LATN 201 or competency.

LATN 487. Topics in Latin Language and Literature. (2 Credits)
Varied subjects. Designated studies in specialized genres, literature, culture, comparative studies, or inter-disciplinary studies. Prerequisite: LATN 201.

LATN 489. Topics in Latin Language and Literature. (4 Credits)
Varied subjects. Designated studies in specialized genres, literature, culture, comparative studies, or inter-disciplinary studies. Prerequisite: LATN 201.

LATN 492. Independent Study in the Theory and Practice of Latin Pedagogy for Classical Schools. (4 Credits)
An independent course of study that combines observation and guest teaching in a local CCE school with the self-directed study of the history and theory of classical education. Students will develop their own materials for teaching Latin in a CCE school. Prerequisite: LATN 201, Instructor's permission required.

LATN 495. Independent Study. (1 to 4 Credits)
Department approval required. Prerequisite: LATN 201.

French Courses

FREN 101. Elementary French I. (4 Credits)
Beginning French with emphasis on listening comprehension, speaking, reading, and writing. Laboratory work. Cannot receive credit for both (FREN 101, 102) and FREN 103.

FREN 102. Elementary French II. (4 Credits)
Beginning French with emphasis on listening comprehension, speaking, reading, and writing. Laboratory work. Cannot receive credit for both (FREN 101, 102) and FREN 103.

FREN 103. Accelerated Elementary French. (4 Credits)
Intensive study of beginning French with emphasis on listening comprehension, speaking, reading, and writing. Laboratory work. Required of students with two years of high school French.

FREN 201. Intermediate French. (4 Credits)
Intermediate French with emphasis on reading, writing, and conversation in the context of French-speaking culture. Prerequisite to any further study in French. Prerequisite: FREN 102, 103 (or equivalent)

General Education: COMP

FREN 209. Intermediate French In France. (4 Credits)
Conversation, composition, and grammar review, with on-site experience of history and culture of France. Offered in France only. (Subject to department approval.)

FREN 331. French Conversation. (4 Credits)
Intensive practice in oral and written communication with emphasis on listening comprehension and natural spoken expression based on videos, and readings of authentic materials.

FREN 333. Global French: Introduction to the Francophone World. (4 Credits)
Introduction to the Francophone world through exposure to a diversity of cultural artifacts (literature, newspaper articles, written and oral interviews, films, songs) from various French-speaking countries. This course includes a systematic review of French grammar with a special emphasis on written expression.

FREN 334. Culture And Communication. (2 Credits)
Study of French history, art, architecture, film, geography, social and economic structures; acquisition of skills useful in business. Different emphasis each year; may be repeated for credit.

FREN 335. Francophone Civilization and Culture. (2 to 4 Credits)
On-site study of Francophone history, architecture, art, politics, and society. Offered in Francophone countries only.

FREN 338. Advanced French in Francophone Country. (2 to 4 Credits)
Advanced grammar, conversation, and composition, taught by native speakers in a Francophone university setting. Course content and level variable. Offered in Francophone countries only.

FREN 347. Francophone Literature. (4 Credits)
Overview of Francophone writers from the 20th and 21st centuries with selected readings from various literary works. Offered odd years in the fall.

Tags: LE

FREN 348. Adolescence & Early Adulthood in Modern French Literature. (4 Credits)
Exploration of representations of adolescence and early adulthood in French literature from the Renaissance to the present. Various genres: essays, plays, poetry, novels.

Tags: LE

FREN 371. Methods of Teaching Foreign Languages. (4 Credits)
The study of various methodologies, theories, and techniques of foreign language teaching; introduction to linguistics for second-language acquisition. Practice in a variety of micro-teaching situations. Required for secondary education licensure; otherwise, an elective toward major or minor.
FREN 431. Advanced Conversation. (2 Credits)
High level development of oral communication with emphasis on vocabulary acquisition and expression approaching native speech. Offered alternate years.

FREN 432. Advanced Grammar and Stylistics. (2 Credits)
General grammar review and advanced study of lesser-taught structures and nuances of meaning in order to improve critical awareness of stylistics and vocabulary and to develop authenticity of expression. Offered alternate years.

FREN 439. Topics in French Language and Literature. (2 or 4 Credits)
Varied subjects including genre and movement studies, culture, and advanced language. May be repeated for credit.

FREN 489. Topics in France. (2 Credits)
Varied subjects including literary and cultural studies. Offered in France only.

FREN 494. Senior Seminar. (4 Credits)
This course is designed to be a culminating experience in which students demonstrate skills and knowledge acquired over their course of study as a French major at a liberal arts institution. Prerequisites: FREN 331, 333, study abroad, FREN 347 or FREN 347. Lab fee required.

FREN 495. Independent Study. (1 to 4 Credits)
Reading and individual study of some aspect of French culture, literature, or language. Department approval required.

FREN 496. Internship. (2 or 4 Credits)
Department approval required. Graded pass/fail. Prerequisite: junior or senior standing with French major.

German Courses

GERM 101. Elementary German I. (4 Credits)
Beginning German with emphasis on understanding, speaking, reading, and writing. Laboratory practice. Cannot receive credit for both (GERM 101, 102) and GERM 103.

GERM 102. Elementary German II. (4 Credits)
Beginning German with emphasis on understanding, speaking, reading, and writing. Laboratory practice. Cannot receive credit for both (GERM 101, 102) and GERM 103.

GERM 103. Accelerated Elementary German. (4 Credits)
Intensive study of beginning German with emphasis on understanding, speaking, reading, and writing. Laboratory work. Required of students with two years of high school German.

GERM 201. Intermediate German. (4 Credits)
Conversation, composition, and grammar review based on readings and videos; exploration of various aspects of culture of German-speaking communities. Online drill work. Prerequisite to any further study in German. Prerequisite: GERM 102, 103 (or equivalent)

GERM 209. Intermediate German in Germany. (4 Credits)
Conversation, composition, and grammar review, with on-site experience of history and culture of Germany. Offered in Germany only.

GERM 338. Advanced German in Germany. (4 Credits)
Development of oral proficiency. Discussion and interpretation of shorter literary texts, and social and political topics. Offered in Germany only.

GERM 341. Contemporary German Culture and Mores. (4 Credits)
Introduction to institutions of contemporary German culture and society, including geography, gender relationships and the family, the church, the educational system, politics and government, minority populations, labor and economics, popular culture and media. Overview and analysis of behavioral norms and mores in the Federal Republic, coupled with comparative reference to the United States and broader German-speaking Europe. Intensive practice in oral and written communication with emphasis on listening comprehension and natural spoken expression based on audio recordings, video materials, and readings of authentic texts. Lab fee required.

GERM 342. Contemporary German Culture: Politics, Economics, and Current Events. (4 Credits)
An exploration of contemporary German culture as mediated through German newspapers, magazines, and various online sources. Special focus on current events with an emphasis on political and economic issues in Germany, Austria, and Switzerland. Continued review of grammar started in GERM 341. Conducted in German.

GERM 343. German Cultural Identity from Charlemagne to the Berlin Republic. (4 Credits)
A survey of cultural periods and developments in German-speaking Europe from early beginnings in the Holy Roman Empire to the present day Berlin Republic with special focus on the question of German national identity. The course will investigate a variety of cultural artifacts including short prose texts, poetry, dramatic performances, film clips, select artworks, and architectural examples. Emphasis on cultural literacy and communicative expression. Taught on-site in Munich, Berlin, and environs yearly during May-June "Wheaton in Germany" program. Conducted primarily in German. Prerequisites: either GERM 341 or 342 (and instructor approval).

Tags: GP, HP

GERM 351. Topics in German Literature. (4 Credits)
Topics in German literature including genre, movement, and author studies. Taught primarily in German. May be repeated for credit. Prerequisite: a 300-level course in German or instructor permission.

Tags: LE

GERM 361. Topics in German Language and Cultural Studies. (4 Credits)
Focus on issues in German cinema, history, philosophy, society and theology, or on German language for special purposes, such as German for business and economics. Discussion, writing and presentation assignments, and major readings and film screenings in German. Prerequisite: GERM 341, 342, 343, or instructor approval. May be repeated for credit.

GERM 363. Topics in German Language and Cultural Studies. (2 Credits)
Focus on issues in German cinema, history, philosophy, society and theology, or on German language for special purposes, such as German for business and economics. Discussion, writing and presentation assignments, and major readings and film screenings in German. Prerequisite: GERM 341, 342, 343, or instructor approval. May be repeated for credit.

GERM 371. Methods of Teaching Foreign Languages. (4 Credits)
The study of various methodologies, theories, and techniques of foreign language teaching; introduction to linguistics for second-language acquisition. Practice in a variety of micro-teaching situations. Required for secondary education licensure; otherwise, an elective toward major or minor.
GERM 372. German for Reading. (4 Credits)
Intensive introduction to German grammar for the special purpose of reading/translating academic prose (scholarly books and journal articles), with a particular focus on readings in theological disciplines and the humanities. Acquisition of a broad recognition vocabulary and development of basic reading comprehension abilities. Recommended for undergraduates anticipating graduate study in humanities and theological studies. Does not count toward Foreign Language Requirement. Not open to German majors/minors without special permission. Cross-listed with BITH 505.

GERM 373. German for Reading II: Translation Workshop. (0 Credits)
Building on GERM 372/BITH 505, this course meets weekly during the subsequent semester for an intensive workshop in reading/translating academic prose (primary sources; scholarly books and articles), with a particular focus on readings in theological disciplines and the humanities. Emphasis on textual analysis, review and expansion of key structures, management of linguistic challenges, and development of global reading skills. Prerequisite: GERM 372, BITH 505 or the equivalent. Cross listed with BITH 506.

GERM 431. "Other" Germans: Turkish and Minority Experience.. (4 Credits)
Introduction to minority and multicultural identity and cultural hybridity in contemporary Germany, Austria and Switzerland, with focus on marginal societal groups, including evangelical Christians, quasi-religious sects, and Turkish and other immigrant populations. Analysis of immigrant literary and cinematic works and overview of social challenges in immigration and asylum policy, with particular focus on "guest workers," integration of Turkish immigrants, and Christian-Muslim relations. Prerequisites: GERM 341 or 342 or permission of instructor.

Tags: GP

GERM 432. The Holocaust and Contemporary Jewish Experience. (4 Credits)
Written and oral analysis of depictions of the Holocaust in various national literary and cinematic media and of contemporary Jewish authors in the German-speaking countries; exploration of issues facing contemporary Jews in German-speaking Europe. Includes medium-length research paper. Conducted in German with some discussion in English.

Tags: GP

GERM 437. Topics in German Language and Literature. (2 or 4 Credits)
Varied subjects, including genre and movement studies, film, culture, and advanced language. May be repeated for credit.

GERM 489. Special Topics. (2 to 4 Credits)
Advanced study in language, literature, and civilization in Germany. Offered in Germany only.

GERM 491. Practicum. (0 to 2 Credits)
Offered in Germany only. Graded pass/fail.

GERM 492. Faith & Literature & Film. (2 Credits)
(Section 1) 492-1 Agents of Change: Faith and the Social Order in German Literature and Film. Intensive seminar on interactions between society and varieties of belief in Germany, Austria and Switzerland. Literary readings and analysis of cinematic works, supplemented with critical theories and socio-historical sources in German and English. Open to students who have taken GERM 494-2 or by permission. Offered alternate years. Cross-listed with GERM 494-1. (Section 2) 492-2 Faith and its Role in German Literature from the Medieval Period to the Fall of the Third Reich. Intensive seminar with emphasis on the intersection of German literature with Christian theological perspectives from the High Middle Ages until the end of World War II. Open to students who have taken GERM 494-1 or by permission. Offered alternate years. Cross-listed with GERM 494-2.

GERM 494. Senior Seminar. (4 Credits)
(Section 1) 494-1. Agents of Change: Faith and the Social Order in German Literature and Film. Intensive seminar on interactions between society and varieties of belief in Germany, Austria and Switzerland. Literary readings and analysis of cinematic works, supplemented with critical theories and socio-historical sources in German and English. Students will produce a major research paper that integrates Christian faith with the subject matter. Offered alternate years. Meets Senior Capstone Requirement. Lab fee required. (Section 2) 494-2. Faith and its Role in German Literature from the Medieval Period to the Fall of the Third Reich. Intensive seminar with emphasis on the intersection of German literature with Christian theological perspectives from the High Middle Ages until the end of World War II. Students will produce a major paper that integrates faith with the subject matter. Offered alternate years. Meets Core Capstone Requirement. Prerequisites: GERM 341, 342, 343 (or other study abroad experience) or special permission of instructor. Lab fee required.

GERM 495. Independent Study. (1 to 4 Credits)
Reading and individual study of some aspect of German culture, literature, or language. Department approval required.

GERM 496. Internship. (2 or 4 Credits)
Department approval required. Graded pass/fail. Prerequisite: junior or senior standing with German major.

Spanish Courses
SPAN 101. Elementary Spanish. (4 Credits)
Beginning Spanish with emphasis on listening comprehension, speaking, reading, and writing. Introduction to aspects of culture of Spanish-speaking communities. Online drill work. Cannot receive credit for both (SPAN 101, 102) and SPAN 103.

SPAN 102. Elementary Spanish. (4 Credits)
Beginning Spanish with emphasis on listening comprehension, speaking, reading, and writing. Introduction to aspects of culture of Spanish-speaking communities. Online drill work. Cannot receive credit for both (SPAN 101, 102) and SPAN 103.

SPAN 103. Accelerated Elementary Spanish. (4 Credits)
Intensive study of elementary Spanish with emphasis on listening comprehension, speaking, reading, and writing. Introduction to aspects of culture of Spanish-speaking communities. Required of students with only two years of high school Spanish. Online drill work.
SPAN 201. Intermediate Spanish. (4 Credits)
Conversation, composition, and grammar review based on readings and videos; exploration of various aspects of culture of Spanish-speaking communities. Required of students with three or four years of high school Spanish. Online drill work. Prerequisite to any further study in Spanish. Prerequisite: SPAN 102 or 103 (or equivalent)

General Education: COMP

SPAN 331. Spanish Conversation. (4 Credits)
Intensive practice in oral communication with emphasis on listening comprehension and natural spoken expression based on videos and readings of authentic materials. Lab fee.

SPAN 332. Advanced Grammar and Composition. (4 Credits)
Intensive grammar review and written practice in various forms to improve accuracy and authenticity of expression. Readings, films, and discussion.

SPAN 334. Spanish Culture and Civilization. (4 Credits)
On-site study of Spanish history, architecture, art, politics, and society. Offered in Spain only. Prerequisite: SPAN 331 or 332, Co-requisite: SPAN 352 (Spain country study).
Tags: GP

SPAN 335. Latin American Cultures and Civilizations. (4 Credits)
Readings and discussion of history, geography, political and social structures, various forms of artistic expression particular to Latin America. Recommended for International Relations and Education students.
Tags: GP

SPAN 337. Survey of Spanish American Literature. (4 Credits)
A general survey of the development of Spanish American literature from the pre-Columbian period to the present. Examination and analysis of representative authors and genres.
Tags: GP, LE

SPAN 338. Intensive Advanced Spanish. (4 Credits)
Advanced grammar, conversation, and composition taught by native speakers in Spain or a Latin American university setting. Course content and level variable. Offered in Spain or Latin America only.

SPAN 341. Writing the Empire: Spanish Literature before 1800. (4 Credits)
A general survey of Spanish literature from the beginnings of the language to 1800. Examination and analysis of representative authors and genres. Offered fall semester. Prerequisite: Spanish language proficiency.
Tags: GP, LE

SPAN 342. Global Spain: Spanish Literature after 1800. (4 Credits)
A general survey of Spanish literature from 1800 to the present. Examination and analysis of representative authors and genres. Offered spring semester. Prerequisite: Spanish language proficiency.
Tags: GP, LE

SPAN 352. Topics in Spanish Language and Hispanic Literatures and Culture. (2 Credits)
Varied subjects including genre, author, movement and country studies, film, culture, and advanced language. May be repeated for credit. Prerequisite: SPAN 331 or equivalent or permission of instructor. (2)

SPAN 353. Topics in Spanish Language and Hispanic Literatures and Culture. (4 Credits)
Varied subjects including genre, author, movement and country studies, film, culture, and advanced language. May be repeated for credit. Prerequisite: SPAN 331 or equivalent or permission of instructor. (4)

SPAN 357. Latino Cultures in the United States. (4 Credits)
An introduction to the heterogeneity of cultures, histories and identities encompassed by the term Latino/a including various Latino sub-groups in the United States (Mexican, Caribbean, Central and South American), exploring social, political, economic and linguistic issues surrounding each of these groups today. Themes may include the Latino diaspora, cultural definition as identity, the U.S.-Mexican border, assimilation and resistance, Latino/a stereotyping, language and religion.
Tags: DUS

SPAN 371. Methods of Teaching Foreign Languages. (4 Credits)
The study of various methodologies, theories, and techniques of foreign language teaching; introduction to linguistics for second-language acquisition. Practice in a variety of micro-teaching situations. Required for secondary education licensure; otherwise, an elective toward major or minor.

SPAN 389. Costa Rica Culture & Society. (4 Credits)
The course focuses on the historical development of Costa Rica from the nineteenth century to the present, highlighting fundamental differences between Costa Rica, neighboring Nicaragua, and the rest of Central America. Topics include: banana production, the coffee industry, and tourism. Particular emphasis is given to Christ-centered responses to patterns of poverty, violence, injustice, and ethnic discrimination that such industries have created in Costa Rica and Central America.
Tags: GP

SPAN 439. Topics in Spanish Language and Hispanic Literatures and Culture. (2 or 4 Credits)
Varied subjects including genre and movement studies, film, culture, and advanced language. May be repeated for credit.

SPAN 489. Topics in Hispanic Culture. (2 to 4 Credits)
Varied subjects, including literary and cultural study with emphasis on Christian perspectives of Hispanic culture. Academic site visits. Offered only in Spain or Latin America.

SPAN 493. Mentoring Seminar. (2 or 4 Credits)
Faculty and student collaboration on a project of mutual interest. Limited enrollment - faculty approval required.

SPAN 494. Senior Seminar. (4 Credits)
Examination of literary or cultural topics from perspectives of contemporary critical theory. Students produce a major research paper that integrates faith with the subject matter. Prerequisites: SPAN 331, 332, study abroad; SPAN 341 or 342; SPAN 337. Lab fee required.

SPAN 495. Independent Study. (1 to 4 Credits)
Reading and individual study of selected aspect of Hispanic culture, literature, or language. Department approval required.

SPAN 496. Internship. (2 or 4 Credits)
Department approval required. Graded pass/fail. Prerequisite: junior or senior standing with Spanish major.

Chinese Major

Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Coordinator, Rose Wang
**Chinese Minor**

**Requirements**

**Coordinator**, Rose Wang

**Requirements for a minor** in Chinese are 20 credit hours of Chinese beyond the intermediate level. Study abroad is also required. Required courses are:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHIN 331</td>
<td>Chinese Conversation</td>
<td>4</td>
</tr>
<tr>
<td>CHIN 332</td>
<td>Chinese Composition</td>
<td>4</td>
</tr>
</tbody>
</table>

**Electives**

Select 12 credits in consultation with a department advisor

| Total Credits Required | 20 |

Not all of the courses that are available for the minor are offered every year. Early and careful planning is advised.

**Classical Languages Major (Greek/Hebrew/Latin)**

**Requirements**

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

**Coordinator**, Doug Penney

**Requirements for a major** in Classical Languages (CL) are 32 hours:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHIN 331</td>
<td>Chinese Conversation</td>
<td>4</td>
</tr>
<tr>
<td>CHIN 332</td>
<td>Chinese Composition</td>
<td>4</td>
</tr>
<tr>
<td>CHIN 337</td>
<td>Readings of Chinese Culture and Society</td>
<td>4</td>
</tr>
<tr>
<td>CHIN 346</td>
<td>Modern Chinese Literature</td>
<td>4</td>
</tr>
<tr>
<td>CHIN 494</td>
<td>Senior Seminar</td>
<td>4</td>
</tr>
<tr>
<td>CHIN 334</td>
<td>Study Abroad</td>
<td>1</td>
</tr>
</tbody>
</table>

**Major Requirements**

Select a minimum of 12 credits of a language concentration in Greek, Latin or Hebrew drawn from reading classes beyond the intermediate levels

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHIN 334</td>
<td>Study Abroad</td>
<td>1</td>
</tr>
<tr>
<td>LING 321</td>
<td>Introduction to Linguistics</td>
<td>2</td>
</tr>
<tr>
<td>GREEK 494</td>
<td>Senior Capstone</td>
<td>4</td>
</tr>
</tbody>
</table>

**Electives**

Select up to 14 credits of the following:

Any upper-level (300-400) offerings in a classical language, Beginning and intermediate level offerings in other classical languages (GREEK/LANTN/HEBR 101, 102, 201) as approved, or Other CL approved advanced exegesis (BITH 532, 635, 636, 646, 647) or classical language courses offered in the Graduate School.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BITH 451</td>
<td>Greek Exegesis</td>
<td>12</td>
</tr>
<tr>
<td>ARCH 345</td>
<td>Archaeology of the Classical World</td>
<td>2</td>
</tr>
<tr>
<td>ARCH 417</td>
<td>Egyptian Hieroglyphics</td>
<td>4</td>
</tr>
<tr>
<td>ARCH 418</td>
<td>Akkadian Cuneiform</td>
<td>4</td>
</tr>
<tr>
<td>PHI 311</td>
<td>History of Philosophy: Ancient &amp; Medieval (and other PHI 3 courses as approved)</td>
<td>4</td>
</tr>
<tr>
<td>Other English-based BITH and HIST courses that supply context for and surveys of ancient texts, as approved.</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

**Total Credits Required**

32

**Competency in Greek is required.**

**Classical Languages Minor (Greek/Hebrew/Latin)**

**Requirements**

**Coordinator**, Doug Penney

**Requirements for a minor** in Classical Languages are 20 hours, including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHIN 331</td>
<td>Chinese Conversation</td>
<td>4</td>
</tr>
<tr>
<td>CHIN 332</td>
<td>Chinese Composition</td>
<td>4</td>
</tr>
</tbody>
</table>

**Minor Requirements**

Select 12 credits beyond the intermediate level in the language of concentration, Greek, Latin or Hebrew

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHIN 334</td>
<td>Study Abroad</td>
<td>1</td>
</tr>
</tbody>
</table>

Select 8 credits to be chosen from the courses listed for the major:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BITH 443</td>
<td>Hebrew Exegesis/BITH 635/BITH 636 Hebrew Exegesis may count for Hebrew.</td>
<td>8</td>
</tr>
</tbody>
</table>
French Major

Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Coordinator, Alan D. Savage

Requirements for a major in French are 32 hours of courses numbered 300 or above. All students are required to take:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Major Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>LING 321</td>
<td>Introduction to Linguistics</td>
<td>2-4</td>
</tr>
<tr>
<td>or FREN 371</td>
<td>Methods of Teaching Foreign Languages</td>
<td></td>
</tr>
<tr>
<td>FREN 331</td>
<td>French Conversation</td>
<td>4</td>
</tr>
<tr>
<td>FREN 333</td>
<td>Global French: Introduction to the Francophone World</td>
<td>4</td>
</tr>
</tbody>
</table>

Select 8 credits of French literature, at least four of which must be selected of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREN 347</td>
<td>Francophone Literature</td>
<td>4</td>
</tr>
<tr>
<td>or FREN 348</td>
<td>Adolescence &amp; Early Adulthood in Modern French Literature</td>
<td>4</td>
</tr>
<tr>
<td>FREN 494</td>
<td>Senior Seminar</td>
<td>4</td>
</tr>
</tbody>
</table>

Study Abroad

Complete at least one term of study abroad.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREN 338</td>
<td>Advanced French in Francophone Country (or equivalent)</td>
<td>2-4</td>
</tr>
<tr>
<td>FREN 335</td>
<td>Francophone Civilization and Culture (or equivalent)</td>
<td>2-4</td>
</tr>
</tbody>
</table>

Total Credits 32

1 Both FREN 347 and FREN 348 are strongly recommended for students planning to pursue graduate study in French.

2 Students must complete at least one term of study in a department-approved study abroad program in a French-speaking country. Wheaton in Francophone Country may be used to fulfill the requirement for a term of study abroad.

3 Students must complete FREN 338 and FREN 335 or their equivalents while studying abroad.

French Minor

Requirements

Coordinator, Alan D. Savage

Requirements for a minor in French are 20 hours of French beyond the intermediate level, including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREN 331</td>
<td>French Conversation</td>
<td>4</td>
</tr>
<tr>
<td>FREN 333</td>
<td>Global French: Introduction to the Francophone World</td>
<td>4</td>
</tr>
</tbody>
</table>

Select 12 credits in consultation with department advisor

Total Credits 20

FREN 347 or FREN 348 are strongly recommended, as is the Wheaton in Francophone Country program. Other courses, which may include a study abroad program in the target language, should be selected in consultation with a French faculty advisor.

German Studies Major

Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Coordinator, Clinton S. Shaffer

Requirements for a major in German Studies are 32 total credit hours which include at least 24 credit hours in German language and culture courses:
German Studies Major with Secondary Education Licensure

Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Coordinator, Clinton S. Shaffer

German Studies Secondary Education required courses include:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GERM 341</td>
<td>Contemporary German Culture and Mores</td>
<td>4</td>
</tr>
<tr>
<td>GERM 342</td>
<td>Contemporary German Culture: Politics, Economics, and Current Events</td>
<td>4</td>
</tr>
</tbody>
</table>

**Study Abroad**

Option 1:

- GERM 343 German Cultural Identity from Charlemagne to the Berlin Republic (summer Wheaton in Germany program)
- GERM 496 Internship (afterwards)

Option 2: (equivalent semester abroad program)

- GERM 338 Advanced German in Germany
- GERM 489 Special Topics

Select one

- GERM 351 Topics in German Literature (two different versions)
- or GERM 361 Topics in German Language and Cultural Studies

**Senior Capstone Experience**

- GERM 494 Senior Seminar (Section 1 or 2)

**Elective courses**

Select 8 credit hours of upper division GERM courses or up to 8 credits hours from the following:

- ART 353 Renaissance and Reformation Art
- ART 471 Studies in Art History
- B EC 331 International Business
- BITH 372 Historical Theology
- BITH 485 Martin Luther
- BITH 488 Karl Barth
- ENGL 434 Modern Literary Theory
- ENGL 435 History of Literary Criticism
- HIST 345 Medieval Europe to 1300
- HIST 346 Renaissance Europe (1300-1600)
- HIST 348 Revolutionary Europe (1789-1870)
- HIST 349 Origins of Contemporary Europe (1870-1950)
- HIST 374 Nazi Germany
- IR 356 European Politics
- IR 361 Post-communist Politics
- PHIL 312 History of Philosophy: Modern & Contemporary
- PHIL 454 Historical Seminar (readings in German)
- or PHIL 456 German Historical Seminar
- PHIL 455 Historical Seminar (readings in German)
- or PHIL 457 German Historical Seminar
- PHIL 497 Independent Study in German Philosophy

**Total Credits** 32

A period of study abroad in a German-speaking country is required either through participation in the eight-week long Wheaton in Germany program (GERM 343; GERM 496 Internship) or by completing an equivalent semester abroad program (at least 8 hours of which must be taken in German) with an accredited academic institution in either Germany, Austria, or Switzerland to be arranged and approved in consultation with the Department of Modern and Classical Languages and the Global and Experiential Learning (GEL) Division at Wheaton. (n.b. For students choosing the semester abroad option an accompanying internship is also recommended.) Credits earned during a semester of study abroad may be applied either to a second major (with the approval of that major department), to the German Studies major, or (upon approval) to both.

While a full semester in a German-speaking country is highly recommended, the study abroad requirement for German Studies majors with a secondary education focus will be considered met via the summer Wheaton in Germany program (GERM 343) followed by a four-week internship in Berlin (GERM 496) as noted above. Students must also achieve at least an ‘Intermediate-High’ rating on an ACTFL Oral Proficiency Interview (OPI), taken upon returning from their study abroad experience or as recommended by advisor. Please consult the Education Department for a list of Education courses and general education courses required for teaching licensure.
German Studies Minor
Requirements
Coordinator, Clinton S. Shaffer

For a minor in German Studies students must complete 20 hours including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GERM 341</td>
<td>Contemporary German Culture and Mores</td>
<td>4</td>
</tr>
<tr>
<td>GERM 342</td>
<td>Contemporary German Culture: Politics, Economics, and Current Events (required)</td>
<td>4</td>
</tr>
<tr>
<td>Select two of the following German language and culture courses:</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>GERM 343</td>
<td>German Cultural Identity from Charlemagne to the Berlin Republic (summer Wheaton in Germany program)</td>
<td></td>
</tr>
<tr>
<td>GERM 351</td>
<td>Topics in German Literature</td>
<td></td>
</tr>
<tr>
<td>GERM 361</td>
<td>Topics in German Language and Cultural Studies (when offered as a different topic in order to fulfill the requirement)</td>
<td></td>
</tr>
<tr>
<td>Select 4 credit hours of upper-division GERM courses or</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>4 credit hours from the German Studies electives courses listed on the German Studies major page:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

German Studies Major (p. 175)

Total Credits 20

Completion of the GERM 496 Internship also may be counted as a 4-credit hour German language and culture course toward the German minor. (n.b. Participation in the summer Wheaton in Germany program is highly recommended.)

Latin for Classical Christian Education Certificate
Coordinator, Alexander C. Loney

The Certificate in Latin for Classical Christian Education provides students with a specialized education in the texts, methods, and theory for teaching Latin in a classical Christian environment. The program is rigorous and integrative. It proceeds from the belief that the best preparation to be a teacher of Latin in a Christian school is the intensive reading and analyzing of the monumental works of Latin literature with an eye to how they communicate the great ideas of the past to us today. One unique feature of Wheaton’s program is that it seeks to integrate Christian faith and classical learning, to ask whether and how Christ and the Christian virtues might be found in the (pre-Christian) classical world. This model of education has existed in one form or another for thousands of years: great medieval thinkers like Thomas Aquinas believed the best education was found in a synthesis of classical learning and Christianity. This certificate prepares students to continue in that tradition. Upon completing this program, students will have a broad training to prepare them to be teachers of Latin and the classical tradition in primary and secondary schools.

The Certificate in Latin for Classical Christian Education is an interdisciplinary program housed in the Classical Languages section of the Department of Modern and Classical Languages, with courses also offered through other academic departments, including History, Biblical and Theological Studies, Philosophy, English, Art History, Christian Formation and Ministry, and Education. This certificate does not lead to teaching licensure.

Students majoring in Classical Languages or in Education are particularly encouraged to consider the 24-hour certificate, but students in all majors are eligible. The program includes 2 course (8 hours) of upper-division Latin, 4 hours in theory and practice, 4 hours in contexts of the classical world, and 8 further hours of electives in additional classical language courses, context courses, or theory courses.

Requirements
Requirements for the Certificate in Latin for Classical Christian Education are 24 credits hours distributed as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Certificate Requirements</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Group 1:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>8 credits in Latin (advanced) literature courses</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>Group 2:</td>
<td></td>
</tr>
<tr>
<td>LATN 492</td>
<td>Independent Study in the Theory and Practice of Latin Pedagogy for Classical Schools</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Group 3:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4 credits in History, Literature, Philosophy, Rhetoric, Art, or Theology of the Classical World</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 245</td>
<td>Logic</td>
<td></td>
</tr>
<tr>
<td>PHIL 311</td>
<td>History of Philosophy: Ancient &amp; Medieval</td>
<td></td>
</tr>
<tr>
<td>COMM 302</td>
<td>Rhetorical Theory</td>
<td></td>
</tr>
<tr>
<td>PSCI 365</td>
<td>Classical and Medieval Political Thought</td>
<td></td>
</tr>
<tr>
<td>HIST 341</td>
<td>Ancient History: The Rise and Fall of Empires</td>
<td></td>
</tr>
<tr>
<td>Any course above 300 in Archaeology (ARCH)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 215</td>
<td>Classical and Early British Literature</td>
<td></td>
</tr>
<tr>
<td>BITH 317</td>
<td>The New Testament in the Holy Lands</td>
<td></td>
</tr>
<tr>
<td>or BITH 318</td>
<td>Christian Theology in the Holy Lands</td>
<td></td>
</tr>
<tr>
<td>BITH 371</td>
<td>Early Christianity: From Rome to Byzantium</td>
<td></td>
</tr>
<tr>
<td>ART 352</td>
<td>Medieval &amp; Byzantine Art</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Group 4:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>8 hours of Electives</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>Any course above 300 in Latin (in addition to the 8 above), Greek or Hebrew above HEBR 402</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Any additional course from Group 3 above</td>
<td></td>
</tr>
<tr>
<td>EDUC 135</td>
<td>School &amp; Society</td>
<td></td>
</tr>
<tr>
<td>EDUC 497</td>
<td>Philosophical Foundations of Education</td>
<td></td>
</tr>
<tr>
<td>Any course above 300 in Christian Education (CE)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 24

Spanish Major
Requirements
Coordinator, Tamara Townsend

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.
Spanish Major with Secondary Education Licensure

Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Coordinator, Tamara Townsend

Spanish Secondary Education required courses include:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 331</td>
<td>Spanish Conversation</td>
<td>4</td>
</tr>
<tr>
<td>SPAN 332</td>
<td>Advanced Grammar and Composition</td>
<td>4</td>
</tr>
<tr>
<td>SPAN 337</td>
<td>Survey of Spanish American Literature</td>
<td>4</td>
</tr>
<tr>
<td>SPAN 341</td>
<td>Writing the Empire: Spanish Literature before 1800</td>
<td>4</td>
</tr>
<tr>
<td>or SPAN 342</td>
<td>Global Spain: Spanish Literature after 1800</td>
<td></td>
</tr>
<tr>
<td>SPAN 371</td>
<td>Methods of Teaching Foreign Languages</td>
<td>4</td>
</tr>
<tr>
<td>SPAN 349</td>
<td>Senior Seminar</td>
<td>4</td>
</tr>
</tbody>
</table>

Study Abroad

An academic term in a Spanish-speaking country

Students must also achieve at least an 'Intermediate-High' rating on an ACTFL Oral Proficiency Interview (OPI), taken upon returning from their study abroad experience or as recommended by advisor. Please consult the Education Department for a list of Education courses required for teaching licensure.

Spanish Minor

Requirements

Coordinator, Tamara Townsend

Requirements for a minor in Spanish are 20 hours beyond the intermediate level, including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 331</td>
<td>Spanish Conversation</td>
<td>4</td>
</tr>
<tr>
<td>SPAN 332</td>
<td>Advanced Grammar and Composition</td>
<td>4</td>
</tr>
<tr>
<td>Select 12 additional credits in consultation with department advisor</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 20

These courses are strongly recommended, as are Wheaton in Spain or Wheaton in Latin America.
Music, Bachelor of Arts

The Bachelor of Arts in Music is one of over thirty majors offered through the College of Arts and Sciences. The degree is intended to enable students to pursue music study and performance in the context of the liberal arts, fully embracing the music resources of the Conservatory of Music, while also taking advantage of the many strengths of the broader college. All music coursework is taught through the Conservatory of Music along with a core of General Education, upper-division, and elective courses from the Arts and Sciences.

Students interested in pursuing a Bachelor of Arts in Music degree should visit the Conservatory Academic Office (Armerding 217) to complete an assessment of piano proficiency, a primary instrument evaluation, and a Music Fundamentals Test.

Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Note: A maximum of 52 hours in music courses (p. 232) (MUCS, MUEP, MUIP, MUMS, MUTC) may be applied toward the 124 needed for graduation.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tr>
<td>Music Theory &amp; Composition (MUTC)</td>
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<tr>
<td>MUTC 151</td>
<td>Music Theory I</td>
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<tr>
<td>MUTC 171</td>
<td>Music Theory II</td>
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<tr>
<td>MUTC 241</td>
<td>Music Theory III</td>
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<td></td>
<td>or MUTC 261 Music Theory IV</td>
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<tr>
<td>Aural Skills</td>
<td>Aural Skills I</td>
<td>3</td>
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<tr>
<td>MUTC 152</td>
<td>Aural Skills I</td>
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<tr>
<td>MUTC 172</td>
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<td>MUTC 252</td>
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<td>MUCS 261</td>
<td>Music Before 1600</td>
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<td>MUCS 262</td>
<td>Baroque and Classical Music Eras</td>
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<td>MUCS 263</td>
<td>Nineteenth-Century Music</td>
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<td>MUCS 361</td>
<td>Twentieth-Century Music</td>
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<td>MUCS 264</td>
<td>World Music</td>
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<td>MUCS 494</td>
<td>Senior Capstone</td>
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<td>Methods Studies (MUMS)</td>
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<td>MUMS 115</td>
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<td>Individual Performance (MUIP)</td>
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<td>Select 8 credits from MUIP 201 - MUIP 422 in Primary Instrument</td>
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<td>Music Electives</td>
<td>Select 3 credits from MUCS, MUEP, MUIP, MUMS, MUTC</td>
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<tr>
<td>Ensemble Performance (MUEP)</td>
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<tr>
<td>MUEP 213, 214, 215, 216, 217, 218 (Large Ensemble, 4 semesters)</td>
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<td>Piano Proficiency - Consult Conservatory Handbook</td>
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<tr>
<td>Recital and Concert Attendance (MUEP)</td>
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<tr>
<td>MUEP 219</td>
<td>Recital &amp; Concert Attendance (Every semester after declaration of major)</td>
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Total Hours required for degree 124 hours

1. Select courses tab and go to Individual Performance Studies (MUIP (p. 232)) for course listings. No more than 16 credits of MUIP count toward degree.
Philosophy

Philosophy is a disciplined reflection on many of life's most interesting and important questions—questions about the nature of the world, human nature, and the conditions of human flourishing. Does God exist, and if so, what is God like? Are there objective moral principles binding on all persons? How can humans attain true happiness? What do the demands of justice require of us? To what extent, if any, are humans free? These questions have always been at the core of a liberal arts education.

Philosophy's questions are often life-orienting questions, the answers to which shape our self-understanding and sometimes direct our life's plans and purposes, making them important questions to address. These questions are pursued in the distinctive sub-fields of philosophy: Metaphysics, Epistemology, Ethics, Philosophy of Religion, Philosophy of Science, Political Philosophy, and Philosophy of Art, among others. These subject areas of philosophy, by their very subject matter, require that students think cross-disciplinarily. If, for example, one studies the philosophy of art, the theory and practice of actual artists must inform one's thinking. To ask about the conditions for knowledge requires that one look at historical, scientific, interpersonal, and other forms of knowledge as they are pursued in various fields of inquiry.

Philosophy is characterized not just by questions and concerns it addresses, but also by the distinctive methodologies it employs to gain insight and understanding about them. Philosophical method often addresses, but also by the distinctive methodologies it employs to gain insight and understanding about them. Philosophical method often

• **The History of Philosophy:** studying the contributions of historically significant philosophers.

• **Language:** careful attention to the clear and precise use of language and an interpretive sensitivity to the meanings of texts.

• **Logic:** facility with the formal structure of arguments and inference patterns, with an eye to frequently encountered lapses in logic.

• **Argument Analysis and Construction:** the ability to evaluate the merits of arguments and assumptions encountered in texts and everyday discourse, along with the ability to construct arguments that support our preferred judgments about philosophical issues.

• **Implications:** tracing out the implications and consequences of various philosophical positions for beliefs, actions and social policies. This requires, in our College's context, that students cultivate a comprehensive understanding of how various philosophical positions affect and are affected by one's Christian commitments. This sort of integrative thinking is constitutive of worldview development.

Why Study Philosophy?

Philosophy deepens and refines questioning and critical cast of mind that helps us to understand and evaluate complex and controversial ideas and perspectives. In particular, philosophical study fosters skills in critical thinking, argument analysis and construction, the ability to think independently, creatively, and to form reasonable judgments orally and in writing. Philosophy students also develop an integrative vision that enables them to appreciate the ways in which philosophical concerns touch upon our personal and professional lives, other academic disciplines, and broader social concerns. These abilities are crucial transferable skills that can contribute to success in a variety of career and life contexts. In short, philosophy provides foundations for thinking across the academic disciplines and hones thinking skills that apply to nearly all walks of life.

Tracks for a Philosophy Major

Students can earn a philosophy degree by completing 32 designated hours of philosophical coursework. Since philosophical questions are raised across the whole range of human experience, and by our studies in a variety of academic disciplines, the department offers an “integrated major” that allows students to complete the major by taking 24 hours of required philosophy courses and 16 hours of designated courses in some companion discipline. Integrative majors may combine 24 hours of philosophy and 16 in art history, theology, biology, English, or some other discipline to earn a philosophy degree. To explore the philosophical questions arising in, say, art, requires familiarity with the world and works of art. The integrated major allows students to pursue both interests simultaneously.

A departmental honors program requires an honors thesis, PHIL 499 Honors Thesis.

Faculty

Chair, Professor Sarah Borden
Professor W. Jay Wood
Associate Professors David Fletcher, Robert O'Connor, Mark Talbot, Adam Wood
Associate Professor of Education and Associate Professor of Philosophy (by courtesy) Mark Jonas
Assistant Professors Nathan Cartagena, Ryan Kemp

Programs

• Philosophy Major (p. 184)
• Philosophy Major Integrated with Anthropology (p. 185)
• Philosophy Major Integrated with Biblical and Theological Studies (p. 185)
• Philosophy Major Integrated with Biology (p. 186)
• Philosophy Major Integrated with Business/Economics (p. 186)
• Philosophy Major Integrated with Christian Formation and Ministry (p. 187)
• Philosophy Major Integrated with Classical Languages (p. 187)
• Philosophy Major Integrated with Communication (p. 188)
• Philosophy Major Integrated with English Literature (p. 188)
• Philosophy Major Integrated with French (p. 189)
• Philosophy Major Integrated with German (p. 189)
• Philosophy Major Integrated with German Philosophy (p. 190)
• Philosophy Major Integrated with History (p. 190)
• Philosophy Major Integrated with International Relations (p. 191)
• Philosophy Major Integrated with Mathematics (p. 191)
• Philosophy Major Integrated with Physics (p. 192)
• Philosophy Major Integrated with Political Science (p. 192)
• Philosophy Major Integrated with Psychology (p. 193)
• Philosophy Major Integrated with an Alternate Field (p. 193)
• Philosophy and Art History Double Major (p. 193)
• Philosophy Minor (p. 194)
Courses

Philosophy Courses

PHIL 101. Introduction to Philosophy. (4 Credits)
Most college age students have heard the names of Plato, Aristotle, Aquinas, Descartes, Kant, and Nietzsche, among many other famous philosophers. This first course in philosophy introduces students to the nature of philosophy, some of its major figures, and some of philosophy's central areas of concern, especially those of metaphysics, epistemology, and ethics. Students learn about philosophical method and argument, and how to articulate and defend their own philosophical judgments.

Tags: PI

PHIL 103. Philosophy and Scientific Inquiry. (4 Credits)
What can philosophy contribute to the sciences and the sciences to philosophy? This course explores the interplay between these two disciplines. We approach these questions through the lens of the history of philosophy as it interacts with the emergence of the sciences as a distinctive form of inquiry. Each arises from the common human impulse to offer an account of the world of experience. The development of philosophy reveals a dynamic synergy between these disciplines, one that bears upon the substance of the claims forwarded by each. Exploring this synergy reveals a common strategy for discerning the underlying, often hidden, nature of the world in which we live. This shared approach to inquiry produces a unified project of trying to explain the whole of reality.

Tags: PI, SIP

PHIL 105. Race & Justice. (4 Credits)
An introduction to philosophy and racial diversity in the United States, focusing on justice and African Americans. Topics include conceptions of justice, what it is like to be part of a minority race, individual and structural racism, whiteness, affirmative action, ethical theory, and the concept of race.

Tags: DUS, PI

PHIL 205. Ethics & Society. (4 Credits)
How do I know if an action is right or wrong, and how can I explain my judgment to others and defend it against criticisms? What is my role as a Christian citizen in seeking to influence my society about moral matters of importance to us? What is the common good and how do we promote it? How should we understand the controversial issues of sexuality, property, economic and gender justice, legislating morality, capital punishment, drugs, euthanasia, abortion, the needy, and the environment? How should our nation deal ethically with other nations and their citizens? This course will engage students in critical thinking about important issues in the application of ethics to social issues.

Tags: PI

PHIL 206. Philosophy and Spiritual Formation. (4 Credits)
An introduction to philosophical, anthropological, and sociological topics relevant to spiritual formation. All Christians are faced with a perennial set of questions related to their development as citizens of God's kingdom. This course aims to provide the resources (both philosophical and social scientific) to help students begin developing answers to questions pertaining to becoming a virtuous person, living the good life, forming an identity, belonging to a community, maintaining Christian beliefs, and determine what practices are appropriate manifestations of such beliefs.

Tags: PI, SI

PHIL 208. Asian Philosophy. (4 Credits)
An introduction to philosophical, anthropological, and sociological topics relevant to Asian philosophy and society. This course aims to provide the resources (both philosophical and social scientific) to help students begin developing answers to questions pertaining to becoming an Asian citizen, living the good life, forming an identity, belonging to a community, maintaining Asian beliefs, and determine what practices are appropriate manifestations of such beliefs.

Tags: PI, SI

PHIL 216. Philosophy of the Arts. (2 Credits)
Examines philosophical issues in the arts, such as the nature of creativity, the categories of "art" versus "non-art" and "high" versus "low" art, the responsibility of the artist to the community, the role of art in society, and the relationships between art and religion.

Tags: PI, VPAV

PHIL 217. Philosophy of Art. (4 Credits)
This course provides an introduction to some of the core questions in the philosophy of art. Questions covered include: What counts as art? How do we decide which cultural objects are, and are not artworks? Why should we care about art? Does art have the capacity to reveal non-trivial truths about the world? And, are different art forms valuable for different reasons? In addition to these more traditional questions, we will spend the last few weeks of the semester considering what attitude - if any - Christianity encourages toward art. In the process of asking these questions, the course will require that students engage substantively with a number of different art forms, including music, painting, and theater. Note: This course does not fulfill the entire VPA theme and covers only the domain of visual arts.

Tags: PI, VPAV

PHIL 222. Souls & Brains. (4 Credits)
Given what we now know about the brain thanks to advances in neuroscience, should we still believe in souls? How should contemporary research on the brain inform our thinking about consciousness, the emotions, freedom, morality, religious experiences, the afterlife, and thinking itself? This introductory philosophy course explores these questions and others like them, guided both by classic philosophical readings and by contributions from various biological and psychological subfields.

Tags: PI, SIP

PHIL 226. Asian Philosophy. (2 Credits)
Philosophical traditions in the East have developed simultaneously with those in the West, albeit until recently with little demonstrable influence on one another. Philosophical systems arising within Hinduism, Buddhism, and Confucianism represent fascinating alternatives to those associated with the Hellenic, Roman, and Christian worlds. In this course we will study philosophies of the East, paying close attention to their roots in the corresponding religious systems of Asia and their ongoing relationship to those traditions. We will view them in the comparative light of both Western philosophical thought and the Hebrew-Christian religious tradition.

PHIL 227. Asian Philosophy. (4 Credits)
Philosophical systems arising within Hinduism, Buddhism, and Confucianism represent fascinating alternatives to those associated with the Hellenic, Roman, and Christian worlds. This course will involve substantive engagement with the primary philosophies of the East, paying close attention to their roots in the corresponding religious systems of Asia and their ongoing relationship to those traditions. In the spirit of "all truth is God's truth," we will view them in the comparative light of both Western philosophical thought and the Hebrew-Christian religious tradition.

Tags: GP, PI
PHIL 241. Suffering. (4 Credits)
"If God were good, He would wish to make His creatures perfectly happy, and if God were almighty, He would be able to do what He wished. But the creatures are not happy. Therefore God lacks either goodness, or power, or both." That, C.S. Lewis writes, "is the problem of pain, in its simplest form." This course addresses that problem, using Lewis' Problem of Pain as our stepping off point and then enriching our theological and philosophical horizons through readings from, e.g., Rudolph Otto, J. L. Mackie, Alvin Plantinga, Roderick Chisholm, William Rowe, and Marilyn McCord Adams.
Tags: PI

PHIL 243. Intro To Logic. (2 Credits)
This course teaches students to identify, analyze, and assess the sorts of arguments one encounters in philosophical texts and in everyday life, such as op-ed pieces, policy papers, and political writing. The course places special emphasis on constructing and refining arguments in order to draw appropriate conclusions in support of one's own beliefs. Classical syllogistic arguments and other formal argument structures receive attention, as do the common fallacies of reasoning. This is an excellent course to enhance your critical thinking and writing abilities.

PHIL 244. Symbolic Logic. (2 Credits)
This sequel to PHIL 243 focuses on the form or structure of valid deductive arguments, and the simple and compound sentences that form them. It analyzes the rules of deductive inference, replacement rules, and how to translate ordinary English sentences into their symbolic equivalent. Proving the validity or invalidity of arguments in Sentential Logic, Predicate Logic, and Quantified Predicate Logic comprises a major portion of the course. Like math courses, this class has problems and proofs that students will work through in class and as homework. Prerequisite: PHIL 243 or permission of instructor.

PHIL 245. Logic. (4 Credits)
An introduction to both informal and formal logic, with attention to developing the skills necessary for describing and analyzing the phenomena and information and ideas students will invariably confront. The course seeks to develop a keen number sense along with the mathematical skills of analysis in concert with critical reading and writing. Direct application is made to both philosophical and theological areas of inquiry. (Students registering for PHIL 245 will take the first quad of this course).
Tags: AAQR

PHIL 247. Philosophic Topics with Contemporary Relevance. (2 Credits)
A study of a contemporary topic or issue in philosophy. Suitable for non-majors. (This course does not fulfill the PI tag.) Topics include: Death and the Meaning of Life, Emotions, Religious Experience, Love & Friendship, Philosophy of Gender.

PHIL 248. Philosophic Topics with Contemporary Relevance. (4 Credits)
A study of a contemporary topic or issue in philosophy. Suitable for non-majors. (This course does not fulfill the PI tag.) Topics include: Love & Friendship, Philosophy of Gender, Philosophy & Film.

PHIL 251. Global Justice. (4 Credits)
People around the world suffer hunger, oppression, from poor health, and many other causes. Is this merely misfortune or is it injustice? We will consider the main issues of global justice, such as whether one can speak of justice in a global context rather than simply within societies, the role of international human rights, the proper response to global economic inequalities, the morality of international conflict, and international environmental justice.
Tags: GP, PI

PHIL 254. Existentialism. (4 Credits)
This course provides an introduction to existentialism through the writings of thinkers like Soren Kierkegaard, Fyodor Dostoevsky, Friedrich Nietzsche, Jean-Paul Sartre, and Albert Camus. In keeping with the movement itself, this course is heavily interdisciplinary, including both literary and philosophical texts, and thinkers from both the Christian and the atheistic intellectual traditions. Topics covered include: the nature of human freedom and creativity, the relation of religion to morality, and the meaning of existence.
Tags: LE, PI

PHIL 257. Gender and Being Human. (4 Credits)
The feminist movement has been among the most significant intellectual and cultural movements in the United States in the last century, and the last several decades have seen the conversations re-ignited with new questions about the nature of gender more broadly. This course will focus on classic philosophical questions about the nature of human beings, with specific focus on the relevance of various answers to our understanding of gender. We will read both classic philosophical texts and contemporary feminist and gender theorists. We will look particularly at the history of how feminism has developed in the United States since the Seneca Falls Convention and how it has contributed to more recent discussions of gender, but we will do so in explicit dialogue with perennial philosophical debates about what it means to be human.
Tags: DUS, PI

PHIL 281. Philosophy & Postmodernity. (2 Credits)
People often think there is something called "postmodernism." There isn't. Instead, there are various postmodern thinkers, some of whom turn out to be people with a deep Christian faith. In this course, we read some of the (in)famous figures, such as Jacques Derrida and Richard Rorty. But we will also read the Jewish thinker Emmanuel Levinas and Jean-Luc Marion and Jean-Louis Chrétien, who are deeply Christian in their thinking and have radically changed the philosophical landscape. Prerequisite: PI course

PHIL 304. Bioethics. (4 Credits)
An interdisciplinary consideration of ethical issues in the biological and health sciences with an emphasis on those related to medicine, such as genetic engineering, end of life issues, autonomy, infanticide, abortion, human experimentation, cloning, and the relevance of social and economic variables in medical care.
Tags: PI, SIP

PHIL 311. History of Philosophy: Ancient & Medieval. (4 Credits)
Ancient and medieval philosophers often worked to cultivate a deep sense of gratitude for that which they had inherited and out of which they built, while also being creative thinkers in their own rights. This course looks at a few of the major thinkers and texts from the nearly 2000 year period stretching from the beginnings of Western philosophy in 585 BC to the opening years of the European Renaissance. It traces common problems and themes that receive ongoing attention throughout this period, such as: the problems of the one and the many, the nature of the cosmos, the existence of God, the relationship between faith and reason, the problem of universals, the nature of the soul, and others. Prerequisite: PI course or permission of instructor.
PHIL 312. History of Philosophy: Modern & Contemporary. (4 Credits)
This course, like PHIL 311, is dedicated to an overview of Western philosophy. In this semester, we look at modern and contemporary philosophy, beginning with the Renaissance rejection of scholasticism, moving through 17th and 18th century rationalists and empiricists, the Kantian synthesis, 19th century responses to Kant, and several major 20th century schools, including phenomenology, logical positivism, analytic philosophy, and pragmatism. Prerequisite: PI course or permission of instructor.

PHIL 315. Philosophy of Religion. (4 Credits)
Is there a God, and if so, what is he like? Can God's existence be established by philosophical argument? These are among Western philosophy's oldest questions. The philosophy of religion course explores philosophical concerns arising out of theism in general and Christian theism in particular. Topics include: the reasonableness of belief in God, God's nature, the problem of suffering, the problem of divine foreknowledge and human freedom, religious experience, religious pluralism, and more. Course readings touch mainly on contemporary authors, though students also read many historically important figures. Tags: PI

PHIL 318. Philosophy of Law. (2 Credits)
What is law? What separates law from mere orders backed by threats? Ought judges to "make" law, or only to interpret it? Is punishment justified, and if so, for what purpose? When should people be held responsible for their actions? What rights should defendants have? What goals of justice should the law serve? Are ordinary moral obligations suspended for the lawyer in performance of his or her duties? These are a few of the questions arising out of the attempt to understand the nature and role of law and legal systems in society.

PHIL 319. Political Philosophy. (2 Credits)
Examines some of the major issues and concepts in political philosophy, including political authority, freedom and coercion, civil disobedience, and justice, as construed in the liberal, Marxist, communitarian, and feminist traditions.

PHIL 328. Business Ethics. (2 Credits)
Corporations and the economy in the US and elsewhere are reeling from the effects of an unprecedented series of moral scandals. What ethical guidelines must be put in place to reestablish confidence in the integrity of business? Some of the questions are: is it ethical to pay bribes in foreign countries, or to go along with their treatment of people when those ways are seen as unjust in our society? What are the ethical obligations of truth telling in the context of business negotiations or advertising? What rights do employees have, and how can businesses best respect these rights? What is the proper place of capitalistic institutions in a just society? What is "fair treatment" for women and minorities in business? In this course, we will have a brief survey of basic ethical concepts and general moral theory, and then discuss a variety of ethical issues that arise in the areas of business and work. The general orientation will be towards an integration of the theoretical with the practical. Taught jointly with the Business Economics and Philosophy Departments. Prerequisite: ECON 211.

PHIL 331. Science & Christian Belief. (4 Credits)
This course looks at the nature of scientific reasoning, and how philosophers of science answer questions of knowledge and reality, with specific interest in the post-positivist, post-modern critiques of scientific presumption to knowledge. Special attention is devoted to the Sometimes-troubled relationship between science and Christian belief, as these arise from contemporary accounts of the origins of the cosmos and evolutionary theory. This is an excellent course for science majors and philosophy double majors, though it does not presume any specific knowledge or even competency in the sciences. Prerequisite: PI course.

PHIL 341. Nature Of Persons. (4 Credits)
Starting with P.F. Strawson's seminal work on the reactive attitudes, this course explores what it means to be a created person by working through various interpretations and crucial questions concerning our reactive attitudes (e.g., Is distinctively human life possible without these attitudes? Should we quench our retributive attitudes?), which prompts us to follow Harry Frankfurt in posing questions about the structure of created personhood, and then leads us to conclude the course with questions from Charles Taylor and Richard Rorty about the world of persons. Additional readings from, e.g., Gary Watson, Nietzsche, Rawls, Dennett, and Camus.

PHIL 347. Topics in Philosophy. (2 Credits)
A study of a contemporary philosopher or philosophical development of cross-disciplinary importance. Suitable for non-majors who have already taken a PI course. Topics include: Feminist Theory, Religious Epistemology, Language and Thought.

PHIL 348. Topics in Philosophy. (4 Credits)
A study of a contemporary philosopher or philosophical development of cross-disciplinary importance. Suitable for non-majors who have already taken a PI course. Topics include: Feminist Theory, Religious Epistemology, Language and Thought.

PHIL 349. Christian Political Thought. (4 Credits)
See PSCI 349.

PHIL 356. Classical and Medieval Political Thought. (4 Credits)
See PSCI 356.

PHIL 366. Modern Political Thought. (4 Credits)
See PSCI 366.

PHIL 447. Advanced Topics in Philosophy. (2 Credits)
A study of the debates and discussion in a significant area of contemporary philosophy. Suitable for philosophy majors or those having taken at least one semester of the history of philosophy (PHIL 311, 312). Topics include: Virtue Ethics, Philosophy of Mind, Free Will/Determinism, Contemporary Ethics. Prerequisite: PHIL 311 or 312.
PHIL 448. Advanced Topics in Philosophy. (4 Credits)
A study of the debates and discussion in a significant area of contemporary philosophy. Suitable for philosophy majors or those having taken at least one semester of the history of philosophy. Prerequisite: PHIL 311 or 312. Topics include: 448-1. (Section 1) “Epistemology.” Surely, among the most distinctive features of humans are their cognitive powers and the knowledge they make possible: historical, empirical, apriori, interpersonal, moral, and religious knowledge, among others. Epistemology, or the theory of knowledge, explores knowledge and related intellectual goods such as understanding, rationality, and experiential acquaintance. It investigates human intellectual powers, the extent of their reach, and whether these powers must follow a particular method or be trained to certain intellectual habits to be used to greatest effect. Typical questions asked by epistemologists include: What are the nature and limits of human knowledge? What conditions must we satisfy in order to know or to have justified belief? What intellectual virtues characterize excellent intellectual agents? Do the arguments of skeptics show that we don’t have knowledge or justified belief? While this course focuses on more contemporary discussions, we will also discuss the epistemologies of many historically significant philosophers; 448-2. (Section 2) “Contemporary Metaphysics.” This course takes a careful look at a number of pressing (and enduring) philosophical issues. We begin with the methodological question of realism and truth: Can we in fact discern the hidden nature of reality? If so, how? We then look at various proposals as to the nature of persons, including questions of mind and body, free will and determinism, and personal identity. In addition to a fairly comprehensive survey of such topics as these, we will spend some weeks near the end of the semester looking at book-length treatment by a contemporary philosopher focusing in one or the other of these areas.; 448-3 (Section 3) “Ethical Theory” The nature of ethical theory is a vigorously contested issue in philosophy today, and one that has very significant practical implications for society. What is the status of the moral principles of the Hebrew-Christian moral tradition? Can they be defended and argued on the basis of reason and common human experience, or are they only “house rules” for those particular communities that have religious allegiances? Can we still talk today of a “common morality”, accessible in principle to all people in society, that can be the basis of law and policy? Should ethical reflection be conducted in terms of action guiding precepts or ideals of moral character? Are questions of right and wrong capable of being decided on rational grounds? How, if at all, can rival moral judgments be established as true over competitors? How are moral principles to be applied in concrete situations? Such questions are but a few of those that arise in moral philosophy, questions that have occupied a great part of the energies of the West’s leading philosophers since Socrates. This course is an advanced undergraduate seminar course in ethical theory.

PHIL 454. Historical Seminar. (2 Credits)
Explores the writings of key historical figures from the following four periods in the history of philosophy: ancient, medieval, modern, and 19th century or contemporary philosophy. Each semester offers a different historical seminar, with all four periods being offered on a regular rotation. Prerequisite: PHIL 311 or 312.

PHIL 455. Historical Seminar. (4 Credits)
Explores the writings of key historical figures from the following four periods in the history of philosophy: ancient, medieval, modern, and 19th century or contemporary philosophy. Each semester offers a different historical seminar, with all four periods being offered on a regular rotation. Prerequisite: PHIL 311 or 312.

PHIL 456. German Historical Seminar. (2 Credits)
Explores the writings of key German historical philosophers. Requires reading texts in German, although discussion and papers may be done in English. Common topics include: Kant, Hegel, Nietzsche, Heidegger’s Being and Time, and Gadamer’s hermeneutics. Prerequisite: PHIL 311 or PHIL 312. See PHIL 454.

PHIL 457. German Historical Seminar. (4 Credits)
Explores the writings of key German historical philosophers. Requires reading texts in German, although discussion and papers may be done in English. Prerequisite: PHIL 311 or PHIL 312. See PHIL 455.

PHIL 494. Philosophy Capstone: Revisiting the Good Life. (2 Credits)
In this course philosophy majors in their final year at Wheaton revisit questions concerning the good life that they initially encountered in their First Year Seminar, informed now by their studies in the liberal arts, and especially by their training as philosophers. Questions concerning human well-being or the highest human good have been perennial philosophical concerns, and students in this course with interact with voices in the historical and contemporary debates among philosophers on these issues. They will also explore the ways other disciplines approach the same issues, reading (for instance) literary works and psychological studies. The goal will be to better understand the way their training in philosophy bears upon other aspects of their liberal arts studies at Wheaton, their spiritual growth and development, and their vocations as scholars, workers, and Christians. Prerequisites: PHIL 311/PHIL 312, must be in last year at Wheaton.

PHIL 495. Independent Study. (1 to 4 Credits)
Guided reading and research for the advanced student.

PHIL 496. Internship. (2 or 4 Credits)
Independent study on philosophical issues related to internship or employment experience. Requires department approval of student’s proposal. Graded pass/fail. Prerequisite: junior or senior standing with Philosophy major.

PHIL 497. Independent Study in German Philosophy. (1 to 4 Credits)
Guided reading and research of German philosophical texts for the advanced student. Prerequisite: PHIL 311 or 312.

PHIL 499. Honors Thesis. (4 Credits)
An independent philosophical project requiring original research and/or argumentation, developed in a scholarly paper and culminating in an oral examination. By application only.

Philosophy Major Requirements
Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for a major in Philosophy are 32 hours including:

<table>
<thead>
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<th>Code</th>
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</thead>
<tbody>
<tr>
<td>PHIL 243</td>
<td>Intro To Logic</td>
<td>2-4</td>
</tr>
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<td>or PHIL 245</td>
<td>Logic</td>
<td></td>
</tr>
<tr>
<td>PHIL 311</td>
<td>History of Philosophy: Ancient &amp; Medieval</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 312</td>
<td>History of Philosophy: Modern &amp; Contemporary</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 447</td>
<td>Advanced Topics in Philosophy</td>
<td>2-4</td>
</tr>
<tr>
<td>or PHIL 448</td>
<td>Advanced Topics in Philosophy</td>
<td></td>
</tr>
</tbody>
</table>
PHIL 454  Historical Seminar  2-4
or PHIL 455  Historical Seminar
PHIL 494  Philosophy Capstone: Revisiting the Good Life  2

Electives
Select credits  10-16
Total Credits  32

At least 20 of the 32 hours need to be taken at the 300 or 400 level.

**Philosophy Major Integrated with Anthropology**

**Requirements**

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

**Requirements for a Philosophy Integrated Major**

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<tr>
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<tr>
<td>Select 24 credits in philosophy including the following: 1, 2</td>
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<td></td>
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<td>PHIL 243  Intro To Logic  2-4</td>
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<td>or PHIL 245  Logic</td>
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<td>PHIL 311  History of Philosophy: Ancient &amp; Medieval  4</td>
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<tr>
<td>PHIL 312  History of Philosophy: Modern &amp; Contemporary  4</td>
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</tr>
<tr>
<td>PHIL 494  Philosophy Capstone: Revisiting the Good Life  2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select at least one relevant philosophy &quot;bridge&quot; course (see list)  1-4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete 16 credits of required courses in the companion discipline (see list)  16</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 At least 12 of the 24 philosophy credits must be upper-division.
2 We recommend that integrated majors take one "Advanced Topics" course (PHIL 447 or PHIL 448) and one "Historical Seminar" (PHIL 454 or PHIL 455)

**Approved bridge courses and Required courses integrated w/Anthropology**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved Bridge Courses</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Select at least one of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHIL 103  Philosophy and Scientific Inquiry</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHIL 105  Race &amp; Justice</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHIL 251  Global Justice</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHIL 331  Science &amp; Christian Belief</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHIL 341  Nature Of Persons</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Required Courses</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>ANTH 376  Culture Theory</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANTH 482  Ethnographic Theory and Method</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select 8 credits of the following:</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>HNGR 114  Poverty, Justice and Transformation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANTH 319  Colonialism and Redemption: Native American Culture and Theology from 1492 to Wounded Knee</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANTH 324  Anthropology of Global Christianity</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Philosophy Major Integrated with Biblical and Theological Studies**

**Requirements**

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

**Requirements for a Philosophy Integrated Major**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>Major Requirements</td>
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<tr>
<td>Select 24 credits in philosophy including the following: 1, 2</td>
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<tr>
<td>PHIL 243  Intro To Logic  2-4</td>
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<tr>
<td>or PHIL 245  Logic</td>
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<td></td>
</tr>
<tr>
<td>PHIL 494  Philosophy Capstone: Revisiting the Good Life  2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select at least one relevant philosophy &quot;bridge&quot; course (see list)  1-4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete 16 credits of required courses in the companion discipline (see list)  16</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 At least 12 of the 24 philosophy credits must be upper-division.
2 We recommend that integrated majors take one "Advanced Topics" course (PHIL 447 or PHIL 448) and one "Historical Seminar" (PHIL 454 or PHIL 455)

**Approved bridge courses and Required courses integrated w/Biblical and Theological Studies**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved Bridge Courses</td>
<td></td>
<td>2-4</td>
</tr>
<tr>
<td>Select at least one of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHIL 241  Suffering</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHIL 315  Philosophy of Religion</td>
<td></td>
<td></td>
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<tr>
<td>PHIL 331  Science &amp; Christian Belief</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHIL 341  Nature Of Persons</td>
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<tr>
<td>PHIL 347  Topics in Philosophy (with approval)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or PHIL 348  Topics in Philosophy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHIL 454  Historical Seminar (with approval)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or PHIL 455  Historical Seminar</td>
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<td></td>
</tr>
</tbody>
</table>
Philosophy Major Integrated with Biology

Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for a Philosophy Integrated Major

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<tr>
<th>Code</th>
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<tbody>
<tr>
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<td>Intro To Logic</td>
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</tr>
<tr>
<td>PHIL 312</td>
<td>History of Philosophy: Modern &amp; Contemporary</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 494</td>
<td>Philosophy Capstone: Revisiting the Good Life</td>
<td>2</td>
</tr>
<tr>
<td>Select at least one relevant philosophy &quot;bridge&quot; course (see list)</td>
<td>1-4</td>
<td></td>
</tr>
<tr>
<td>Complete 16 credits of required courses in the companion discipline (see list)</td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

1 At least 12 of the 24 philosophy credits must be upper-division.
2 We recommend that integrated majors take one "Advanced Topics" course (PHIL 447 or PHIL 448) and one "Historical Seminar" (PHIL 454 or PHIL 455)

Approved bridge courses and Required courses integrated w/Biology

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 103</td>
<td>Philosophy and Scientific Inquiry</td>
<td>4</td>
</tr>
</tbody>
</table>

PHIL 222 | Souls & Brains                                      |         |
PHIL 304 | Bioethics                                            |         |
PHIL 331 | Science & Christian Belief                          |         |

Required Courses

Select two of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 241</td>
<td>Organization of Life: Genetics and Cell Biology</td>
<td></td>
</tr>
<tr>
<td>BIOL 242</td>
<td>Diversity of Life: An Introduction to Zoology and Botany</td>
<td></td>
</tr>
<tr>
<td>BIOL 243</td>
<td>Processes of Life: Ecology and Evolution</td>
<td></td>
</tr>
</tbody>
</table>

Select 8 credits of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 252</td>
<td>Modeling the Systems of Life</td>
<td></td>
</tr>
</tbody>
</table>

300-level courses that are not Advanced Integrative Seminars or Scientific Issues & Perspectives (SIP) courses are strongly recommended as supporting courses.

Philosophy Major Integrated with Business/Economics

Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for a Philosophy Integrated Major

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<tr>
<td>PHIL 494</td>
<td>Philosophy Capstone: Revisiting the Good Life</td>
<td>2</td>
</tr>
<tr>
<td>Select at least one relevant philosophy &quot;bridge&quot; course (see list)</td>
<td>1-4</td>
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</tr>
<tr>
<td>Complete 16 credits of required courses in the companion discipline (see list)</td>
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1 At least 12 of the 24 philosophy credits must be upper-division.
2 We recommend that integrated majors take one "Advanced Topics" course (PHIL 447 or PHIL 448) and one "Historical Seminar" (PHIL 454 or PHIL 455)

Approved bridge courses and Required courses integrated w/Business/Economics

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<tr>
<th>Code</th>
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<tbody>
<tr>
<td>PHIL 318</td>
<td>Philosophy of Law</td>
<td></td>
</tr>
<tr>
<td>PHIL 328</td>
<td>Business Ethics</td>
<td></td>
</tr>
<tr>
<td>PHIL 331</td>
<td>Science &amp; Christian Belief</td>
<td></td>
</tr>
<tr>
<td>PHIL 448</td>
<td>Advanced Topics in Philosophy (448-3 Ethical Theory)</td>
<td></td>
</tr>
<tr>
<td>PHIL 495</td>
<td>Independent Study (with approval)</td>
<td></td>
</tr>
</tbody>
</table>
Required Courses

16
ECON 211 Principles of Microeconomics
& ECON 212 and Principles of Macroeconomics

Select 8 credits of the following:
8
B EC 342 Principles of Management
B EC 352 Business Law
and/or any upper-division ECON course

Philosophy Major Integrated with
Christian Formation and Ministry

Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for a Philosophy Integrated Major

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Select at least one relevant philosophy "bridge" course (see list) 1-4
Complete 16 credits of required courses in the companion discipline (see list) 16

Approved Bridge Courses and Required courses integrated w/Christian Formation and Ministry

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<td>PHIL 347</td>
<td>Topics in Philosophy (with approval)</td>
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<td>or PHIL 348</td>
<td>Topics in Philosophy</td>
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Required Courses

Select 16 credits of the following:
16
CFM 222 Teaching for Transformation
CFM 223 Human Development and Ministry
CFM 224 Christian Spiritual Practices
CFM 421 Philosophy of Ministry
CFM 422 Designing for Transformational Learning

CFM 459 Advanced Study in Christian Formation and Ministry
CFM 494 Ministry in Culture

Philosophy Major Integrated with Classical Languages

Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for a Philosophy Integrated Major

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<tr>
<td>PHIL 494</td>
<td>Philosophy Capstone: Revisiting the Good Life</td>
<td>2</td>
</tr>
</tbody>
</table>

Select at least one relevant philosophy "bridge" course (PHIL 447 or PHIL 448) and one "Historical Seminar" (PHIL 454 or PHIL 455) 1-4
Complete 16 credits of required courses in the companion discipline (see list) 16

1 At least 12 of the 24 philosophy credits must be upper-division.
2 We recommend that integrated majors take one "Advanced Topics" course (PHIL 447 or PHIL 448) and one "Historical Seminar" (PHIL 454 or PHIL 455)

Approved Bridge Courses and Required courses integrated w/Classical Languages

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<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PHIL 454</td>
<td>Historical Seminar (Any of our historical seminars which address ancient or medieval thinkers)</td>
<td>2-4</td>
</tr>
<tr>
<td>or PHIL 455</td>
<td>Historical Seminar</td>
<td></td>
</tr>
<tr>
<td>PHIL 315</td>
<td>Philosophy of Religion</td>
<td></td>
</tr>
</tbody>
</table>

Required Courses

Select 16 credits of the following:
16
GREK 331 Athenian Tragedy
GREK 332 Homer: Iliad
GREK 333 Homer’s Odyssey
GREK 334 Advanced Koine Reading
GREK 335 Plato: The Apology of Socrates
GREK 336 Classical Rhetoric
GREK 338 Herodotus’ Histories
GREK 339 Myth/Hesiod
GREK 342 NT and Patristics
GREK 343 Septuagint
GREK 487 Topics in Greek Language and Literature
GREK 489 Topics in Greek Language and Literature
### Philosophy Major Integrated with Communication

**Requirements**

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

**Requirements for a Philosophy Integrated Major**

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<tr>
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</tr>
<tr>
<td>Select 24 credits in philosophy including the following: 1, 2</td>
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<td></td>
</tr>
<tr>
<td>PHIL 243 Intro To Logic</td>
<td>2-4</td>
<td></td>
</tr>
<tr>
<td>or PHIL 245 Logic</td>
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<td></td>
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<tr>
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<tr>
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<td>4</td>
<td></td>
</tr>
<tr>
<td>PHIL 494 Philosophy Capstone: Revisiting the Good Life</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Select at least one relevant philosophy &quot;bridge&quot; course (see list)</td>
<td>1-4</td>
<td></td>
</tr>
<tr>
<td>Complete 16 credits of required courses in the companion discipline (see list)</td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

1. At least 12 of the 24 philosophy credits must be upper-division.
2. We recommend that integrated majors take one "Advanced Topics" course (PHIL 447 or PHIL 448) and one "Historical Seminar" (PHIL 454 or PHIL 455)

**Approved bridge courses and Required courses integrated w/Communication**

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<th>Code</th>
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</thead>
<tbody>
<tr>
<td><strong>Approved Bridge Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select at least one of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHIL 216 Philosophy of the Arts</td>
<td>2-4</td>
<td></td>
</tr>
<tr>
<td>PHIL 217 Philosophy of Art</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHIL 454 Historical Seminar (with approval)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or PHIL 455 Historical Seminar</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Required Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM 302 Rhetorical Theory</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Select 12 credits of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM 252 Argumentation and Debate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM 253 Messages, Influence, and Culture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM 301 Communication Theory</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM 312 Communication Criticism</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Philosophy Major Integrated with English Literature

**Requirements**

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

**Requirements for a Philosophy Integrated Major**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td><strong>Major Requirements</strong></td>
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<td></td>
</tr>
<tr>
<td>Select 24 credits in philosophy including the following: 1, 2</td>
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<td></td>
</tr>
<tr>
<td>PHIL 243 Intro To Logic</td>
<td>2-4</td>
<td></td>
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<tr>
<td>or PHIL 245 Logic</td>
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<tr>
<td>PHIL 312 History of Philosophy: Modern &amp; Contemporary</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>PHIL 494 Philosophy Capstone: Revisiting the Good Life</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Select at least one relevant philosophy &quot;bridge&quot; course (see list)</td>
<td>1-4</td>
<td></td>
</tr>
<tr>
<td>Complete 16 credits of required courses in the companion discipline (see list)</td>
<td>16</td>
<td></td>
</tr>
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</table>

1. At least 12 of the 24 philosophy credits must be upper-division.
2. We recommend that integrated majors take one "Advanced Topics" course (PHIL 447 or PHIL 448) and one "Historical Seminar" (PHIL 454 or PHIL 455)

**Approved bridge courses and Required courses integrated w/English Literature**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Approved Bridge Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select at least one of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHIL 216 Philosophy of the Arts</td>
<td>2-4</td>
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<tr>
<td>PHIL 217 Philosophy of Art</td>
<td></td>
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</tr>
<tr>
<td>PHIL 255 Existentialism</td>
<td></td>
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</tr>
<tr>
<td>PHIL 247 Philosophic Topics with Contemporary Relevance (with approval)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or PHIL 248 Philosophic Topics with Contemporary Relevance (with approval)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHIL 347 Topics in Philosophy (with approval)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or PHIL 348 Topics in Philosophy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHIL 454 Historical Seminar (with approval)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Philosophy Major Integrated with French**

**Requirements**

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

**Requirements for a Philosophy Integrated Major**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL</td>
<td>Major Requirements</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select 24 credits in philosophy including the following: 1, 2</td>
<td></td>
</tr>
<tr>
<td>PHIL</td>
<td>Intro To Logic</td>
<td>2-4</td>
</tr>
<tr>
<td>or PHIL</td>
<td>Logic</td>
<td></td>
</tr>
<tr>
<td>PHIL</td>
<td>History of Philosophy: Ancient &amp; Medieval</td>
<td>4</td>
</tr>
<tr>
<td>PHIL</td>
<td>History of Philosophy: Modern &amp; Contemporary</td>
<td>4</td>
</tr>
<tr>
<td>PHIL</td>
<td>Philosophy Capstone: Revisiting the Good Life</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Select at least one relevant philosophy &quot;bridge&quot; course (see list)</td>
<td>1-4</td>
</tr>
<tr>
<td></td>
<td>Complete 16 credits of required courses in the companion discipline (see list)</td>
<td>16</td>
</tr>
</tbody>
</table>

1 At least 12 of the 24 philosophy credits must be upper-division.
2 We recommend that integrated majors take one "Advanced Topics" course (PHIL 447 or PHIL 448) and one "Historical Seminar" (PHIL 454 or PHIL 455)

**Approved bridge courses and Required courses integrated w/French**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL</td>
<td>Approved Bridge Courses</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select at least one of the following: 1-4</td>
<td></td>
</tr>
<tr>
<td>PHIL</td>
<td>Philosophy of the Arts</td>
<td></td>
</tr>
<tr>
<td>or PHIL</td>
<td>Philosophy of Art</td>
<td></td>
</tr>
<tr>
<td>PHIL</td>
<td>Topics in Philosophy (with approval)</td>
<td></td>
</tr>
<tr>
<td>or PHIL</td>
<td>Topics in Philosophy</td>
<td></td>
</tr>
<tr>
<td>PHIL</td>
<td>Historical Seminar (with approval)</td>
<td></td>
</tr>
<tr>
<td>or PHIL</td>
<td>Historical Seminar</td>
<td></td>
</tr>
<tr>
<td>PHIL</td>
<td>Independent Study (with approval)</td>
<td></td>
</tr>
<tr>
<td>FREN</td>
<td>Required Courses</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select 16 credits of the following: 16</td>
<td></td>
</tr>
<tr>
<td>FREN</td>
<td>Culture And Communication</td>
<td></td>
</tr>
</tbody>
</table>

**Approved Bridge Courses**

Select at least one of the following: 1-4

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>PHIL</td>
<td>Philosophy of the Arts</td>
<td></td>
</tr>
<tr>
<td>or PHIL</td>
<td>Philosophy of Art</td>
<td></td>
</tr>
<tr>
<td>PHIL</td>
<td>Topics in Philosophy (with approval)</td>
<td></td>
</tr>
<tr>
<td>or PHIL</td>
<td>Topics in Philosophy</td>
<td></td>
</tr>
<tr>
<td>PHIL</td>
<td>Historical Seminar (with approval)</td>
<td></td>
</tr>
<tr>
<td>or PHIL</td>
<td>Historical Seminar</td>
<td></td>
</tr>
<tr>
<td>PHIL</td>
<td>Independent Study (with approval)</td>
<td></td>
</tr>
</tbody>
</table>

**Required Courses**

Select 16 credits of the following: 16

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GERM</td>
<td>Contemporary German Culture and Mores</td>
<td></td>
</tr>
<tr>
<td>GERM</td>
<td>Contemporary German Culture: Politics, Economics, and Current Events</td>
<td>16</td>
</tr>
</tbody>
</table>
Philosophy Major Integrated with German Philosophy

Requirements

Requirements for a major in German Philosophy are:

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for a Philosophy Integrated Major

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 243</td>
<td>Intro To Logic</td>
<td>2-4</td>
</tr>
<tr>
<td>or PHIL 245</td>
<td>Logic</td>
<td></td>
</tr>
<tr>
<td>PHIL 311</td>
<td>History of Philosophy: Ancient &amp; Medieval</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 312</td>
<td>History of Philosophy: Modern &amp; Contemporary</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 494</td>
<td>Philosophy Capstone: Revisiting the Good Life</td>
<td>2</td>
</tr>
</tbody>
</table>

Select at least one relevant philosophy "bridge" course (see list) 1-4

Complete 16 credits of required courses in the companion discipline (see list) 16

1 At least 12 of the 24 philosophy credits must be upper-division.
2 We recommend that integrated majors take one "Advanced Topics" course (PHIL 447 or PHIL 448) and one "Historical Seminar" (PHIL 454 or PHIL 455)

Approved bridge courses and Required courses integrated w/ German Philosophy

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PHIL 456</td>
<td>German Historical Seminar</td>
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<tr>
<td>PHIL 457</td>
<td>German Historical Seminar</td>
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<tr>
<td>PHIL 497</td>
<td>Independent Study in German Philosophy</td>
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</tr>
<tr>
<td>GERM 341</td>
<td>Contemporary German Culture and Mores</td>
<td></td>
</tr>
</tbody>
</table>

Study Abroad (see below)

In addition, the major requires at least one-month of study abroad in Germany either by participating in the Wheaton-in-Germany program (GERM 343 German Cultural Identity from Charlemagne to the Berlin Republic) or by completing an equivalent semester abroad program (at least 4 hours of which must be an upper-level course taken in German) with an accredited academic institution in either Germany, Austria, or Switzerland to be arranged and approved through the Global and Experiential Learning (GEL) Division at Wheaton in consultation with the Modern and Classical Languages Department.

Philosophy Major Integrated with History

Requirements

Requirements for a major in History are:

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for a Philosophy Integrated Major

<table>
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<tbody>
<tr>
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<td>or PHIL 245</td>
<td>Logic</td>
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<td>History of Philosophy: Ancient &amp; Medieval</td>
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<td>PHIL 312</td>
<td>History of Philosophy: Modern &amp; Contemporary</td>
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<td>PHIL 494</td>
<td>Philosophy Capstone: Revisiting the Good Life</td>
<td>2</td>
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</table>

Select at least one relevant philosophy "bridge" course (see list) 1-4

Complete 16 credits of required courses in the companion discipline (see list) 16

1 At least 12 of the 24 philosophy credits must be upper-division.
2 We recommend that integrated majors take one "Advanced Topics" course (PHIL 447 or PHIL 448) and one "Historical Seminar" (PHIL 454 or PHIL 455)

Approved bridge courses and Required courses integrated w/History

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PHIL 454</td>
<td>Historical Seminar</td>
<td>2-4</td>
</tr>
<tr>
<td>or PHIL 455</td>
<td>Historical Seminar</td>
<td></td>
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</tbody>
</table>
Required Courses
Select 16 credits from upper division courses: HIST 305 - HIST 495

Except HIST 324 High School History/Social Science Methods and HIST 325 Middle Grade History/Social Science Methods.

Philosophy Major Integrated with International Relations

Requirements
Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for a Philosophy Integrated Major

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>PHIL</td>
<td>Major Requirements</td>
<td></td>
</tr>
<tr>
<td>PHIL</td>
<td>Select 24 credits in philosophy including the following: 1, 2</td>
<td></td>
</tr>
<tr>
<td>PHIL</td>
<td>Intro To Logic, Logic</td>
<td>2-4</td>
</tr>
<tr>
<td>PHIL</td>
<td>History of Philosophy: Ancient &amp; Medieval</td>
<td>4</td>
</tr>
<tr>
<td>PHIL</td>
<td>History of Philosophy: Modern &amp; Contemporary</td>
<td>4</td>
</tr>
<tr>
<td>PHIL</td>
<td>Philosophy Capstone: Revisiting the Good Life</td>
<td>2</td>
</tr>
<tr>
<td>PHIL</td>
<td>Select at least one relevant philosophy &quot;bridge&quot; course (see list)</td>
<td>1-4</td>
</tr>
<tr>
<td>PHIL</td>
<td>Complete 16 credits of required courses in the companion discipline (see list)</td>
<td>16</td>
</tr>
</tbody>
</table>

1 At least 12 of the 24 philosophy credits must be upper-division.
2 We recommend that integrated majors take one "Advanced Topics" course (PHIL 447 or PHIL 448) and one "Historical Seminar" (PHIL 454 or PHIL 455)

Approved bridge courses and Required courses integrated w/International Relations

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<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PHIL</td>
<td>Approved Bridge Courses</td>
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</tr>
<tr>
<td>PHIL</td>
<td>Select at least one of the following:</td>
<td>2-4</td>
</tr>
<tr>
<td>PHIL</td>
<td>Ethics &amp; Society</td>
<td></td>
</tr>
<tr>
<td>PHIL</td>
<td>Global Justice</td>
<td></td>
</tr>
<tr>
<td>PHIL</td>
<td>Philosophy of Law</td>
<td></td>
</tr>
<tr>
<td>PHIL</td>
<td>Christian Political Thought</td>
<td></td>
</tr>
<tr>
<td>PHIL</td>
<td>Classical and Medieval Political Thought</td>
<td></td>
</tr>
<tr>
<td>PHIL</td>
<td>Modern Political Thought</td>
<td></td>
</tr>
<tr>
<td>PHIL</td>
<td>Advanced Topics in Philosophy (section 3 - Ethical Theory)</td>
<td></td>
</tr>
</tbody>
</table>

Required Courses
Select 16 credits of the following: 16

IR 329  Forgiveness & Reconciliation
IR 356  European Politics
IR 375  Globalization
IR 378  U.S. Foreign Policy
IR 379  International Political Economy
PSCI 311  Constitutional Law
PSCI 383  Religion & American Politics
PSCI 387  Law and Religion

Philosophy Major Integrated with Mathematics

Requirements
Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for a Philosophy Integrated Major

<table>
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<tr>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>PHIL</td>
<td>Major Requirements</td>
<td></td>
</tr>
<tr>
<td>PHIL</td>
<td>Select 24 credits in philosophy including the following: 1, 2</td>
<td></td>
</tr>
<tr>
<td>PHIL</td>
<td>Intro To Logic</td>
<td>2-4</td>
</tr>
<tr>
<td>PHIL</td>
<td>History of Philosophy: Ancient &amp; Medieval</td>
<td>4</td>
</tr>
<tr>
<td>PHIL</td>
<td>History of Philosophy: Modern &amp; Contemporary</td>
<td>4</td>
</tr>
<tr>
<td>PHIL</td>
<td>Philosophy Capstone: Revisiting the Good Life</td>
<td>2</td>
</tr>
<tr>
<td>PHIL</td>
<td>Select at least one relevant philosophy &quot;bridge&quot; course (see list)</td>
<td>1-4</td>
</tr>
<tr>
<td>PHIL</td>
<td>Complete 16 credits of required courses in the companion discipline (see list)</td>
<td>16</td>
</tr>
</tbody>
</table>

1 At least 12 of the 24 philosophy credits must be upper-division.
2 We recommend that integrated majors take one "Advanced Topics" course (PHIL 447 or PHIL 448) and one "Historical Seminar" (PHIL 454 or PHIL 455)

Approved bridge courses and Required courses integrated w/Mathematics

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL</td>
<td>Approved Bridge Courses</td>
<td></td>
</tr>
<tr>
<td>PHIL</td>
<td>Select at least one of the following:</td>
<td>2-4</td>
</tr>
<tr>
<td>PHIL</td>
<td>Philosophy and Scientific Inquiry</td>
<td></td>
</tr>
<tr>
<td>PHIL</td>
<td>Symbolic Logic</td>
<td></td>
</tr>
<tr>
<td>PHIL</td>
<td>Science &amp; Christian Belief</td>
<td></td>
</tr>
</tbody>
</table>

Required Courses
Select 16 credits of the following: 16

MATH 232  Calculus II
MATH 245  Linear Algebra
MATH 331  Vector Calculus
MATH 333  Differential Equations
MATH 341  Modern Algebra
MATH 343  Discrete Mathematics
MATH 351  Analysis I
MATH 352  Complex Analysis
MATH 362  Geometry
MATH 364  Mathematical Modeling
MATH 385  Topics in Applied Mathematics
MATH 441  Algebra II
MATH 451  Analysis II
MATH 463  Probability & Statistics II
MATH 485  Advanced Topics in Mathematics
MATH 494  Senior Seminar

Philosophy Major Integrated with Physics

Requirements
Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for a Philosophy Integrated Major

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 243</td>
<td>Intro To Logic</td>
<td>2-4</td>
</tr>
<tr>
<td>or PHIL 245</td>
<td>Logic</td>
<td></td>
</tr>
<tr>
<td>PHIL 311</td>
<td>History of Philosophy: Ancient &amp; Medieval</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 312</td>
<td>History of Philosophy: Modern &amp; Contemporary</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 494</td>
<td>Philosophy Capstone: Revisiting the Good Life</td>
<td>2</td>
</tr>
<tr>
<td>Select at least one relevant philosophy &quot;bridge&quot; course (see list)</td>
<td>1-4</td>
<td></td>
</tr>
<tr>
<td>Complete 16 credits of required courses in the companion discipline (see list)</td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

1. At least 12 of the 24 philosophy credits must be upper-division.
2. We recommend that integrated majors take one "Advanced Topics" course (PHIL 447 or PHIL 448) and one "Historical Seminar" (PHIL 454 or PHIL 455)

Approved bridge courses and Required courses integrated w/Physics

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 103</td>
<td>Philosophy and Scientific Inquiry</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 222</td>
<td>Souls &amp; Brains</td>
<td></td>
</tr>
<tr>
<td>PHIL 331</td>
<td>Science &amp; Christian Belief</td>
<td></td>
</tr>
<tr>
<td>PHIL 448</td>
<td>Advanced Topics in Philosophy (448-2 Contemporary Metaphysics)</td>
<td></td>
</tr>
</tbody>
</table>

Required Courses
Select 16 credits of the following: 16

ASTR 304  Global History of Cosmology
ASTR 305  Astronomy
PHYS 221  General Physics I
PHYS 222  General Physics II
PHYS 231  Introductory Physics I

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 232</td>
<td>Introductory Physics II</td>
</tr>
<tr>
<td>PHYS 294</td>
<td>Physics for the Future</td>
</tr>
<tr>
<td>PHYS 311</td>
<td>Introduction to Medical Physics</td>
</tr>
<tr>
<td>PHYS 331</td>
<td>Spacetime and Quanta</td>
</tr>
<tr>
<td>PHYS 341</td>
<td>Analytical Mechanics</td>
</tr>
<tr>
<td>PHYS 342</td>
<td>Electromagnetic Theory</td>
</tr>
<tr>
<td>PHYS 344</td>
<td>Quantum Mechanics</td>
</tr>
<tr>
<td>PHYS 359</td>
<td>Thermodynamics</td>
</tr>
<tr>
<td>PHYS 361</td>
<td>Solid State Physics and Nanotechnology</td>
</tr>
<tr>
<td>PHYS 362</td>
<td>Plasma Physics</td>
</tr>
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<td>PHYS 366</td>
<td>Particle Physics and Cosmology</td>
</tr>
<tr>
<td>PHYS 367</td>
<td>Introduction to Stellar and Galactic Astrophysics</td>
</tr>
<tr>
<td>PHYS 494</td>
<td>Senior Seminar</td>
</tr>
</tbody>
</table>

Philosophy Major Integrated with Political Science

Requirements
Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for a Philosophy Integrated Major

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PHIL 243</td>
<td>Intro To Logic</td>
<td>2-4</td>
</tr>
<tr>
<td>or PHIL 245</td>
<td>Logic</td>
<td></td>
</tr>
<tr>
<td>PHIL 311</td>
<td>History of Philosophy: Ancient &amp; Medieval</td>
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<tr>
<td>PHIL 312</td>
<td>History of Philosophy: Modern &amp; Contemporary</td>
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</tr>
<tr>
<td>PHIL 494</td>
<td>Philosophy Capstone: Revisiting the Good Life</td>
<td>2</td>
</tr>
<tr>
<td>Select at least one relevant philosophy &quot;bridge&quot; course (see list)</td>
<td>1-4</td>
<td></td>
</tr>
<tr>
<td>Complete 16 credits of required courses in the companion discipline (see list)</td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

1. At least 12 of the 24 philosophy credits must be upper-division.
2. We recommend that integrated majors take one "Advanced Topics" course (PHIL 447 or PHIL 448) and one "Historical Seminar" (PHIL 454 or PHIL 455)

Approved bridge courses and Required courses integrated w/Political Science

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 103</td>
<td>Philosophy and Scientific Inquiry</td>
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<td>Souls &amp; Brains</td>
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<tr>
<td>PHIL 331</td>
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</tr>
<tr>
<td>PHIL 448</td>
<td>Advanced Topics in Philosophy (448-2 Contemporary Metaphysics)</td>
<td></td>
</tr>
</tbody>
</table>

Required Courses
Select 16 credits of the following: 16

PHIL 319  Political Philosophy
PHIL 349  Christian Political Thought
PHIL 365  Classical and Medieval Political Thought
PHIL 366  Modern Political Thought
PHIL 448  Advanced Topics in Philosophy (section 3 - Ethical Theory)

Approved Bridge Courses
Select at least one of the following: 2-4

PHIL 319  Political Philosophy
PHIL 349  Christian Political Thought
PHIL 365  Classical and Medieval Political Thought
PHIL 366  Modern Political Thought
PHIL 448  Advanced Topics in Philosophy (section 3 - Ethical Theory)
Philosophy Major Integrated with Psychology

Requirements
Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for a Philosophy Integrated Major

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Requirements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select 24 credits in philosophy including the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHIL 243</td>
<td>Intro To Logic</td>
<td>2-4</td>
</tr>
<tr>
<td>or PHIL 245</td>
<td>Logic</td>
<td></td>
</tr>
<tr>
<td>PHIL 311</td>
<td>History of Philosophy: Ancient &amp; Medieval</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 312</td>
<td>History of Philosophy: Modern &amp; Contemporary</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 494</td>
<td>Philosophy Capstone: Revisiting the Good Life</td>
<td>2</td>
</tr>
<tr>
<td>Select at least one relevant philosophy &quot;bridge&quot; course (see list)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete 16 credits of required courses in the companion discipline (see list)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Approved Bridge Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select at least one of the following:</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>PHIL 103</td>
<td>Philosophy and Scientific Inquiry</td>
<td></td>
</tr>
<tr>
<td>PHIL 222</td>
<td>Souls &amp; Brains</td>
<td></td>
</tr>
<tr>
<td>PHIL 331</td>
<td>Science &amp; Christian Belief</td>
<td></td>
</tr>
<tr>
<td>PHIL 341</td>
<td>Nature Of Persons</td>
<td></td>
</tr>
<tr>
<td>Required Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select 16 credits of the following:</td>
<td></td>
<td>16</td>
</tr>
<tr>
<td>PSYC 241</td>
<td>Social Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYC 317</td>
<td>Developmental Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYC 343</td>
<td>Sensation &amp; Perception</td>
<td></td>
</tr>
<tr>
<td>PSYC 348</td>
<td>Abnormal Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYC 351</td>
<td>Cognition</td>
<td></td>
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<tr>
<td>PSYC 361</td>
<td>Behavioral Neuroscience</td>
<td></td>
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<tr>
<td>PSYC 363</td>
<td>Psychology of Human Sexuality</td>
<td></td>
</tr>
<tr>
<td>PSYC 482</td>
<td>Theories and Methods of Integration</td>
<td></td>
</tr>
<tr>
<td>PSYC 483</td>
<td>Advanced Topics in Integration</td>
<td></td>
</tr>
<tr>
<td>PSYC 484</td>
<td>Psychology of Religion</td>
<td></td>
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<tr>
<td>PSYC 494</td>
<td>Personality Psychology</td>
<td></td>
</tr>
</tbody>
</table>

Philosophy Major Integrated with an Alternate Field

Requirements
Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for a Philosophy Integrated Major

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Requirements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select 24 credits in philosophy including the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHIL 243</td>
<td>Intro To Logic</td>
<td>2-4</td>
</tr>
<tr>
<td>or PHIL 245</td>
<td>Logic</td>
<td></td>
</tr>
<tr>
<td>PHIL 311</td>
<td>History of Philosophy: Ancient &amp; Medieval</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 312</td>
<td>History of Philosophy: Modern &amp; Contemporary</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 494</td>
<td>Philosophy Capstone: Revisiting the Good Life</td>
<td>2</td>
</tr>
<tr>
<td>Select at least one relevant philosophy &quot;bridge&quot; course (see list)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete 16 credits of required courses in the companion discipline (see list)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Approved Bridge Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select at least one of the following:</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>PHIL 103</td>
<td>Philosophy and Scientific Inquiry</td>
<td></td>
</tr>
<tr>
<td>PHIL 222</td>
<td>Souls &amp; Brains</td>
<td></td>
</tr>
<tr>
<td>PHIL 331</td>
<td>Science &amp; Christian Belief</td>
<td></td>
</tr>
<tr>
<td>PHIL 341</td>
<td>Nature Of Persons</td>
<td></td>
</tr>
<tr>
<td>Required Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select 16 credits of the following:</td>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

1. At least 12 of the 24 philosophy credits must be upper-division.
2. We recommend that integrated majors take one "Advanced Topics" course (PHIL 447 or PHIL 448) and one "Historical Seminar" (PHIL 454 or PHIL 455)

With the guidance of the philosophy department chair, an Alternative Field can be devised to satisfy specific degree objectives. The design of this major depends on student initiative and thorough consultation with the student’s advisor and the department chair. The courses selected must be thematically congruous and reflect the ideal of a coherent, integrated whole. Applications for the Alternative Field degree are available through the Philosophy Department chair, and the department chair must approve each Alternative Field degree application.

Philosophy and Art History Double Major

Double major in Philosophy and Art History: The Philosophy Department and Art History Division of the Art Department have enjoyed a long and fruitful relationship, and we have worked together to craft a program so that students may earn a double major in Philosophy and Art History.
## Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for this program include:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL/ART 216 or PHIL 217</td>
<td>Philosophy of the Arts</td>
<td>2</td>
</tr>
<tr>
<td>PHIL 243 or PHIL 245</td>
<td>Intro To Logic or Logic</td>
<td>2-4</td>
</tr>
<tr>
<td>ART 251</td>
<td>History of Art &amp; Architecture I</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 311</td>
<td>History of Philosophy: Ancient &amp; Medieval</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 312</td>
<td>History of Philosophy: Modern &amp; Contemporary</td>
<td>4</td>
</tr>
<tr>
<td>ART 351</td>
<td>History of Art &amp; Architecture II</td>
<td>4</td>
</tr>
<tr>
<td>ART 352</td>
<td>Medieval &amp; Byzantine Art</td>
<td>4</td>
</tr>
<tr>
<td>ART 353</td>
<td>Renaissance and Reformation Art</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 454 or PHIL 455</td>
<td>Historical Seminar or Historical Seminar</td>
<td>2-4</td>
</tr>
<tr>
<td>PHIL 494</td>
<td>Philosophy Capstone: Revisiting the Good Life</td>
<td>2</td>
</tr>
<tr>
<td>ART 494</td>
<td>Senior Capstone (ART 494-1 for art history concentration)</td>
<td>2</td>
</tr>
</tbody>
</table>

### Philosophy Electives

Select 10 credits of philosophy courses, at least 4 of which need to be upper-division.

**Total Credits:** 44-48

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## Philosophy Minor

### Requirements

Requirements for a minor in Philosophy are 20 hours, including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 243 or PHIL 245</td>
<td>Intro To Logic or Logic</td>
<td>2-4</td>
</tr>
<tr>
<td>PHIL 311</td>
<td>History of Philosophy: Ancient &amp; Medieval</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 312</td>
<td>History of Philosophy: Modern &amp; Contemporary</td>
<td>4</td>
</tr>
</tbody>
</table>

### Electives

Select 8-10 credits

At least 12 hours of the 20 must be upper-division.
Physics and Engineering

Our department serves physics and engineering majors and the general Wheaton student population by providing robust student-centered learning experiences that draw on the unique ways of knowing common to our discipline from a genuinely Christian liberal arts perspective. The study of matter, energy, and their interactions provides fertile ground for enhanced worship of the Creator and for collaborative theoretical, experimental, and computational learning and research among faculty and students in a strong and supportive community. Students grow in their love and worship of God by engaging with His good creation and preparing for lives of service to the church and society.

The department offers several tracks of study leading to a Bachelor of Science or Bachelor of Arts in Physics. A Dual Degree Engineering Program is also available leading to two degrees: a Bachelor of Arts or Science in Liberal Arts Engineering from Wheaton combined with a full Bachelor of Science degree from any other school that offers a fully ABET accredited program in the engineering discipline of interest. Detailed requirements and course offerings for both physics and engineering are summarized below.

Physics

The physics curriculum is organized to prepare a student for graduate work in physics or a related discipline as well as a range of other vocations that make use of the analytical and problem solving skills of a physicist.

- The Bachelor of Science in Physics track incorporates all of the necessary coursework to prepare a student for graduate work in physics.
- The Bachelor of Arts in Physics overlaps nearly completely with the Bachelor of Science track but allows the student more freedom to select from a set of upper level core courses. The BA degree is not appropriate for those going on to graduate work in physics but provides more flexibility for those who want to double major or study abroad and who plan to go on to professional schools such as law or medicine or go straight into the workplace after graduation.
- The Bachelor of Science with Secondary Education track prepares students for high school physics teaching.
- The Bachelor of Science in Applied Physics replaces some of the upper division physics requirements with required engineering coursework and is a good choice for those who plan to pursue engineering or a related field after graduation.

All physics majors are strongly encouraged to complete the PHYS 294 requirement in their first year.

The Departmental Honors Program is available to all physics majors who maintain a 3.70 GPA in the major, and an overall GPA of 3.50. Eight credit hours of designated honors coursework are required, four of which may consist of a modified major course, and four of which must be PHYS 499, resulting in the completion of a research thesis. Successful completion of the program will result in a Departmental Honors designation on the student’s transcript. Students must submit an application to the department at least one year prior to graduation to participate in the honors program. See the department for details.

Engineering Dual Degree Program

A five-year program is offered leading to two degrees, a Bachelor of Arts or Bachelor of Science degree in Liberal Arts Engineering from Wheaton and a Bachelor of Science degree in a specific engineering field from an ABET accredited engineering program at another institution. This arrangement allows students to complete degrees in a wide array of engineering disciplines. The student must meet the requirements of the school to which admission is sought. Special joint programs are in place with Illinois Tech and Northern Illinois University (NIU) but students may transfer to any ABET accredited engineering program at other institutions as well.

Several commonly required lower division engineering courses are offered by engineering faculty at Wheaton to prepare students for successful completion of engineering requirements at the engineering school in the final two years of the dual degree program. (See course information below.) Transfer of the Wheaton College engineering courses to meet requirements at engineering schools is likely but not guaranteed. Each student should verify that any courses taken at Wheaton will transfer successfully for the specific program and institution of interest.

The joint program arrangement with Illinois Tech allows students to take other engineering courses not offered at Wheaton during the first three years of the five year program. An agreement with the nearby College of DuPage (COD) also allows students to take selected engineering coursework there during the first 3 years. Students must complete appropriate paperwork and register at both Wheaton College and either Illinois Tech or COD for the courses taught at these institutions. Illinois Tech courses will usually be taken at the Illinois Tech main campus in Chicago but some courses may be made available on internet upon request.

Approved course tracks for the full five years with Illinois Tech and NIU, as the partner schools, are available from the Department. Illinois Tech programs are available in aerospace, architectural, biomedical, chemical, civil, computer, electrical, and mechanical engineering. NIU programs are available in electrical, industrial and systems, and mechanical engineering.

Students completing their engineering coursework at a school in the vicinity of Wheaton College (e.g. Illinois Tech, Northern Illinois University, or University of Illinois - Chicago) during the last two years of the five year program, by virtue of their continuing in the Wheaton College dual degree program, may remain in Wheaton College housing and may continue to participate fully in extra-curricular activities at the College, including athletics.

See department for course plans, including additional ENGR and other courses that will satisfy requirements at the engineering school of choice. Students in the engineering program have modified Christ at the Core general education requirements. Students are only required to take one 4 hour Foreign Language course, they are not required to complete the Scientific Issues and Perspectives (SIP) theme, and they should choose 4 of the following 5 themes:

- Diversity in the United States (DUS),
- Global Perspectives (GP),
- Historical Perspectives (HP),
- Literary Explorations (LE),
- Philosophical Investigations (PI).

The remaining Christ at the Core requirements are the same as for all other majors. Some engineering schools will require additional coursework beyond the Wheaton requirements prior to transfer. Some schools may also require Christ at the Core Thematic courses to be taken from specific departments. Students should consult with their
advisor and the engineering school of interest to ensure courses taken at Wheaton will meet requirements at the engineering school. Up to eight hours of non-major courses at the engineering school may be transferred back to Wheaton to meet Wheaton requirements.

In all cases a transcript from the engineering school indicating that all engineering requirements have been met must be received by the Wheaton registrar before the Wheaton Liberal Arts Engineering degree will be conferred. Students who complete all Wheaton College course requirements by the end of their fourth year may participate in the commencement ceremonies of that year.

Faculty
Chair, Professor Darren Craig
Associate Professors Robert Bishop, Arend Jan Poelarends, Heather Whitney
Assistant Professors David Hsu, James Schroeder

Programs
- Physics, Bachelor of Science (p. 198)
- Physics, Bachelor of Arts (p. 198)
- Physics with Secondary Education, Bachelor of Science (p. 199)
- Physics: Applied Physics, Bachelor of Science (p. 199)
- Physics Minor (p. 200)
- Engineering, Dual Degree (p. 200)

Courses

Physics Courses
See the Financial Information (p. 464) section of this catalog for course fees.

PHYS 221. General Physics I. (4 Credits)
Newtonian mechanics, energy, waves, and heat. Non-calculus based. Four hours lecture, three hours laboratory. Prerequisite: Pre-calculus (algebra and trigonometry) competence. Not open to students with prior credit for PHYS 231 or 233.
Tags: SP

PHYS 222. General Physics II. (4 Credits)
Electromagnetism, optics, and modern physics. Non-calculus based. Four hours lecture, three hours laboratory. Prerequisite: PHYS 221. Not open to students with prior credit for PHYS 232 or 234.

PHYS 231. Introductory Physics I. (4 Credits)
Kinematics. Newtonian dynamics, conservation laws, and selected topics from oscillations, waves, fluids, and thermodynamics. Four hours lecture, three hours laboratory. Co or Prerequisite: MATH 231.
Tags: SP

PHYS 232. Introductory Physics II. (4 Credits)
Electricity and magnetism, optics, and selected topics from modern physics, waves, and thermodynamics. Four hours lecture, three hours laboratory. Prerequisite: PHYS 231. Co or Prerequisite: MATH 232

PHYS 294. Physics for the Future. (2 Credits)
The beginning of an exciting journey into the intricacies of our created world. Includes discussion of recent physics breakthroughs, exposure to research at Wheaton and at nearby national laboratories, discussion of vocational pathways, and thoughts on the relationship of physics to the liberal arts and the Christian faith. (lin)

PHYS 305. Dakota Skies: Astronomy and Atmospheric Science in the Black Hills. (4 Credits)
An introduction to the study of the weather and the universe. Topics include physical foundations for astronomy and atmospheric science, the evolution of stars, the structure and origin of the universe, the structure of the earth's atmosphere, weather systems, weather analysis and forecasting. Special attention will be given to sound scientific practices, including systematic scientific investigations, critical evaluation of scientific claims and the ability to develop a sound scientific argument.
Tags: SP

PHYS 311. Introduction to Medical Physics. (2 Credits)
A survey of radiation therapy, nuclear medicine, diagnostic imaging, and health physics with discussion on ethical and stewardship concerns of these technologies. Prerequisites: PHYS 222 or 232.

PHYS 331. Spacetime and Quanta. (4 Credits)
Special Relativity, Quantum Mechanics, and selected topics from Atomic Physics, Statistical Physics, Nuclear Physics, Particle Physics, Solid State Physics, and Cosmology. Four hours lecture. Prerequisites: PHYS 232 and PHYS 334. Co or Prequisites: MATH 245 and MATH 333.

PHYS 333. Thermal Physics & Fluids. (2 Credits)
An introduction to the thermodynamic principles of microstates, entropy, and heat engines as well as basic fluid mechanical concepts of buoyancy and fluid flow. Prerequisite: PHYS 232.

PHYS 334. Computer Modeling of Physical Systems. (2 Credits)
An introduction to computer methods for the analysis, modeling and simulation of physical systems and analysis of experimental data. Applications taken from mechanics, fluids, electricity and magnetism. Prerequisites: PHYS 231 and MATH 231. Pre or Corequisite: MATH 232.

PHYS 341. Analytical Mechanics. (4 Credits)
Particle and rigid body dynamics, central forces and gravitation, rotating systems and bodies, Lagrange and Hamilton formulations, generalized coordinates, and normal modes. Prerequisites: PHYS 334 and MATH 333. Pre or Co-require: MATH 245 and MATH 331.

PHYS 342. Electromagnetic Theory. (4 Credits)
Electrostatics, steady currents, linear materials, electromagnetic induction, Maxwell's equations, and electromagnetic waves. Prerequisites: PHYS 334 and MATH 331. Pre or Corequisite: MATH 333. Alternate years.

PHYS 343. Methods of Experimental Physics. (2 Credits)
Design of scientific investigations; experimental methods and instrumentation; construction of scientific arguments from data. Six hours laboratory. Prerequisites: PHYS 334 and Junior or higher standing. (lin)

PHYS 344. Quantum Mechanics. (4 Credits)
Elements of quantum physics, solutions of Schrödinger's equation applied to atomic and molecular structure, applications, interpretations. Prerequisites: PHYS 331 and 334; and MATH 245, 331 and 333. Alternate years.

PHYS 345. Methods of Data Analysis and Presentation. (2 Credits)
Development of skills in data and error analysis, technical communication, and scientific argument. Prerequisite: PHYS 334 and Writing and Communication Competencies.

PHYS 351. Analog Electronics. (2 Credits)
Basic principles of electronic circuits and devices. AC and DC circuit fundamentals, filters, diodes, transistors, amplifiers, and operational amplifiers. Four hours lecture, three hours laboratory. Prerequisite: PHYS 232. Pre or Corequisite: PHYS 334.
PHYS 352. Computer Data Acquisition. (2 Credits)
Digital electronics, analog to digital conversion, computer interfacing, and data acquisition with LabVIEW software. Four hours lecture, three hours laboratory. Prerequisite: PHYS 351. Alternate years.

PHYS 353. Introductory Optics. (2 Credits)
Electromagnetic and quantum mechanical theory of light, geometrical and physical optics, interference, diffraction, and optical instruments. Four hours lecture, three hours laboratory. Prerequisite: PHYS 334. Alternate years.

PHYS 354. Advanced Optics. (2 Credits)
Light propagation in matter, polarization, Fourier optics, aberrations, holography, lasers, and modern optical materials and components. Four hours lecture, three hours laboratory. Prerequisite: PHYS 353. Alternate years.

PHYS 359. Thermodynamics. (4 Credits)

PHYS 361. Solid State Physics and Nanotechnology. (2 Credits)
Bonding and structure of crystals, electronic properties of insulators, semiconductors, metals, and superconductors, limits of smallness, molecular assembly, and nanoscale physics. Prerequisite: PHYS 344 or CHEM 371. Alternate years.

PHYS 362. Plasma Physics. (2 Credits)
Introduction to plasma physics including definition of a plasma, single particle and guiding center motions, fluid descriptions, waves, instabilities, and applications of plasma physics in space and astrophysics, controlled thermonuclear fusion, and industry. Pre or Corequisite: PHYS 342. Alternate years.

PHYS 366. Particle Physics and Cosmology. (2 Credits)
Elementary particles, fundamental interactions, conservation laws and symmetries, big bang cosmology, dark matter and dark energy. Alternate years. Prerequisites: PHYS 331 and 334.

PHYS 367. Introduction to Stellar and Galactic Astrophysics. (4 Credits)
Introduction to stellar and galactic astrophysics with an emphasis on the underlying physical principles. Course has an integrated lab component (2 hours lecture, 1 hour lab per week) Topics: Structure and evolution of stars, stellar atmospheres and spectra, binary stars and stellar remnants. Galactic dynamics, morphology, and evolution; large-scale structure of the universe. Prerequisites: MATH 333 and PHYS 334. Alternate years.

PHYS 369. Thermodynamics. (4 Credits)

PHYS 371. Chemistry and the Christian Worldview. (4 Credits)
Chemistry of the elements; its place in a Christian worldview; and one's stewardship toward society. Independent study and classroom presentation. Prerequisite: senior standing in the major. (lin)

PHYS 494. Senior Seminar. (2 Credits)
Study of the wider cultural significance of physics including its historical development; its relationship to other disciplines; its philosophical interpretations; its place in a Christian worldview; and one's stewardship toward society. Independent study and classroom presentation. Prerequisite: senior standing in the major. (lin)

PHYS 495. Independent Study. (1 to 4 Credits)
Independent research.

PHYS 496. Internship. (2 to 4 Credits)
Supervised off-campus experience with departmental approval. Graded pass/fail. Prerequisite: junior or senior standing with Physics major.

PHYS 499. Honors Thesis. (2 to 4 Credits)
An independent project providing original physics research developed in a scholarly paper and culminating in an oral examination. Partially fulfills requirements for an honors degree in physics. Additional requirements are available in the Physics Office.

Astronomy Courses

ASTR 304. Global History of Cosmology. (4 Credits)
Study of the historical development of cosmology in ancient Egypt, Mesopotamia, India, Greece, Asia, and the Americas through contemporary developments. Cultural and religious interactions with developments in cosmology are emphasized. Prerequisite: a Scientific Practice (SP) course.
Tags: GP, SIP

ASTR 305. Astronomy. (4 Credits)
An introduction to the study of the universe. Topics include the solar system, the formation and evolution of stars and the structure, evolution and origin of the universe. Special attention will be given to the social, historical, philosophical and theological context of astronomical discoveries and controversies.
Tags: SIP

Engineering Courses

ENGR 101. Introduction to the Engineering Profession. (1 Credit)
Introduces students to the engineering profession. The engineering disciplines, problem solving approaches, design processes, professional practices, licensure, engineering ethics, and teamwork will be explored through discussion, reading, research, and guest visits by practicing engineers. The importance of the liberal arts and the impact of faith on the practice of engineering will be explored. Freshmen and sophomores only.

ENGR 105. Fundamentals of Engineering Graphics. (2 Credits)
Introduces students to engineering graphics, the means by which engineers communicate design and fabrication information. Topics cover: utilization of engineering graphics; information on graphics; use of the basic graphic tools; orthographic views in both third and first angle projections; auxiliary, section, isometric, and perspective views. This course acquaints students with the processes that are automated within Computer Aided Drafting and Design (CADD) software and expectations for CADD work product. Lab fee. (lin)

ENGR 125. Introduction to AutoCAD. (2 Credits)
Intro to AutoCAD with emphasis on the fundamentals of Computer-Aided Drafting and Design (CADD). Introduces concepts, techniques and procedures necessary to facilitate a basic functional understanding of AutoCAD and the process of using AutoCAD tools to create, dimension, and annotate basic engineering drawings. Lab fee. (lin)

ENGR 201. Engineering Mechanics 1 - Statics. (4 Credits)
Systems of units; gravitation; Newton's laws of motion; equilibrium and free-body diagrams; particles, forces and moments; structures in equilibrium; centroids and center of mass; moments of inertia; friction; beam loadings; cables; fluids; virtual work and potential energy; particle kinematics; and, rotating bodies. Prerequisite: PHYS 231. Pre or Co-require: PHYS 334.

ENGR 202. Engineering Mechanics 11 - Dynamics. (4 Credits)
Topics include: kinematics and kinetics of particles; Newton's laws of motion; energy, momentum, systems of particles; rigid bodies; free-body diagrams; mass, acceleration, and force; plane motion of rigid bodies; and, conservation of energy and momentum. Prerequisite: ENGR 201. Pre or Co-require: MATH 333.
ENGR 204. Innovative Design in Engineering. (4 Credits)
Provides the student engineer with firsthand experience in moving from a stated need to a developed and proof-tested product. Topics include project logbooks and plans, evaluating concepts and selecting a design, preparing design documents, fabrication, development and testing of prototypes, stewardship of the environment, preparation of engineering reports, and principles of contract, engineering, and patent law. Prerequisites: ENGR 201.

ENGR 223. Strength of Materials. (4 Credits)
Provides a broad range of knowledge of the behavior of materials under load. Topics include: mechanical properties; plane stress and strain; stress and strain relations; axially loaded members; Mohr's circle; stress transformation; torsion of shafts; bending and normal and shear stresses in beams; beam deflection; and combined loading. Prerequisite: ENGR 201.

ENGR 225. Materials Science. (4 Credits)
Presents the scientific principles underlying the structural analysis of ceramic, composite, metallic (including semiconductors), and polymeric materials. Topics include atomic bonding and structure, electronic structure, micro- and macrostructure. Principles of structural effects on the chemical, mechanical, and physical properties of material are also addressed. Prerequisites: ENGR 201 and CHEM 231.

ENGR 394. Engineering Ethics Capstone. (2 Credits)
Engineering ethics and vocation; connections between the liberal arts educational experience and the practice of engineering. Prerequisite: Junior standing in the major. Seminar format meeting once per week for the full semester. (lin)

Physics, Bachelor of Science
Requirements
Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Bachelor of Science in Physics requirements are a minimum of 36 hours in physics, including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 231</td>
<td>Introductory Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 232</td>
<td>Introductory Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 294</td>
<td>Physics for the Future</td>
<td>2</td>
</tr>
<tr>
<td>PHYS 334</td>
<td>Computer Modeling of Physical Systems</td>
<td>2</td>
</tr>
<tr>
<td>PHYS 331</td>
<td>Spacetime and Quanta</td>
<td>4</td>
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<td>PHYS 341</td>
<td>Analytical Mechanics</td>
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<td>PHYS 344</td>
<td>Quantum Mechanics</td>
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<tr>
<td>PHYS 345</td>
<td>Methods of Data Analysis and Presentation</td>
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<td>PHYS 351</td>
<td>Analog Electronics</td>
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<td>PHYS 494</td>
<td>Senior Seminar</td>
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<tr>
<td>Select at least 2 credits of the following:</td>
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<tr>
<td>PHYS 311</td>
<td>Introduction to Medical Physics</td>
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<tr>
<td>PHYS 352</td>
<td>Computer Data Acquisition</td>
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<tr>
<td>PHYS 354</td>
<td>Advanced Optics</td>
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<tr>
<td>PHYS 359</td>
<td>Thermodynamics</td>
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</tbody>
</table>

PHYS 359 Thermodynamics and research experience are strongly recommended for those going on to graduate studies in physics.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MATH 231</td>
<td>Calculus I</td>
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<td>or MATH 233</td>
<td>Calculus I B</td>
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<tr>
<td>or MATH 234</td>
<td>Calculus II B</td>
<td></td>
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<tr>
<td>MATH 245</td>
<td>Linear Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MATH 331</td>
<td>Vector Calculus</td>
<td>2</td>
</tr>
<tr>
<td>MATH 333</td>
<td>Differential Equations</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 231</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
</tbody>
</table>

Physics, Bachelor of Arts
Requirements
Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

(Students wishing to pursue graduate studies in physics should not complete the BA but should instead complete the requirements for the BS in Physics.)

Bachelor of Arts in Physics requirements are a minimum of 32 hours in physics, including:

<table>
<thead>
<tr>
<th>Code</th>
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<tr>
<td>PHYS 231</td>
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<td>4</td>
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<tr>
<td>PHYS 232</td>
<td>Introductory Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 294</td>
<td>Physics for the Future</td>
<td>2</td>
</tr>
<tr>
<td>PHYS 334</td>
<td>Computer Modeling of Physical Systems</td>
<td>2</td>
</tr>
<tr>
<td>PHYS 331</td>
<td>Spacetime and Quanta</td>
<td>4</td>
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<tr>
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<td>4</td>
</tr>
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<td>PHYS 345</td>
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<td>Select one of the following:</td>
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<tr>
<td>PHYS 342</td>
<td>Electromagnetic Theory</td>
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<tr>
<td>PHYS 344</td>
<td>Quantum Mechanics</td>
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<tr>
<td>PHYS 359</td>
<td>Thermodynamics</td>
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</tbody>
</table>

Select at least 2 credits of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 311</td>
<td>Introduction to Medical Physics</td>
<td>2</td>
</tr>
<tr>
<td>PHYS 352</td>
<td>Computer Data Acquisition</td>
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<td>PHYS 354</td>
<td>Advanced Optics</td>
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<td>PHYS 359</td>
<td>Thermodynamics</td>
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<tr>
<td>PHYS 361</td>
<td>Solid State Physics and Nanotechnology</td>
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</tr>
<tr>
<td>Code</td>
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<tr>
<td>PHYS 231</td>
<td>Introductory Physics I</td>
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<tr>
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<td>Total Credits</td>
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**Supporting Course Requirements**

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<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>MATH 231</td>
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<td>Calculus I B</td>
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<tr>
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<td>Vector Calculus</td>
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</tr>
<tr>
<td>MATH 333</td>
<td>Differential Equations</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 231</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>ASTR 305</td>
<td>Astronomy</td>
<td>4</td>
</tr>
<tr>
<td>or PHYS 305</td>
<td>Dakota Skies: Astronomy and Atmospheric Science in the Black Hills</td>
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<tr>
<td>BIOL 201</td>
<td>Contemporary Topics in Biology</td>
<td>4</td>
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<tr>
<td>or BIOL 241</td>
<td>Organization of Life: Genetics and Cell Biology</td>
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<tr>
<td>SCI 321</td>
<td>Science for Middle and High School Teachers</td>
<td>2</td>
</tr>
<tr>
<td>SCI 325</td>
<td>Methods of Teaching Middle Grade Science</td>
<td>2</td>
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</tbody>
</table>

Students opting for this program should spend at least one year as a teaching assistant in the Physics Department. Completion of these requirements will lead to teacher licensure. A Master of Arts in Teaching (MAT) program is also available with a Physics major. A combined Bachelor’s/MAT program may be completed in five years and one summer. See the Education (p. 115) section in this catalog.

---

**Physics: Applied Physics, Bachelor of Science**

**Requirements**

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

**Bachelor of Science in Physics: Applied Physics:** requirements are a minimum of 26 hours in physics plus 8 additional hours in engineering including:

<table>
<thead>
<tr>
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<tbody>
<tr>
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<td>PHYS 232</td>
<td>Introductory Physics II</td>
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<td>Physics for the Future</td>
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<td>Analog Electronics</td>
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<tr>
<td>PHYS 494</td>
<td>Senior Seminar</td>
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<tr>
<td>Select one of the following:</td>
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<tr>
<td>PHYS 342</td>
<td>Electromagnetic Theory</td>
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<tr>
<td>PHYS 344</td>
<td>Quantum Mechanics</td>
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</tr>
<tr>
<td>PHYS 359</td>
<td>Thermodynamics</td>
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<td>Total Credits</td>
<td>30</td>
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</table>

**Supporting Course Requirements**

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<tbody>
<tr>
<td>MATH 231</td>
<td>Calculus I</td>
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<tr>
<td>or MATH 233</td>
<td>Calculus I B</td>
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<tr>
<td>MATH 232</td>
<td>Calculus II</td>
<td>2-4</td>
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</tbody>
</table>

An approved research/internship experience or PHYS 343 0-2

Total Credits 34-36

1 ENGR 202 may not be one of the two additional ENGR courses if it is also substituting for PHYS 341.
## Physics Minor

Requirements for a minor in Physics are 20 hours in physics, including:

<table>
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<td>or MATH 234</td>
<td>Calculus II B</td>
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<tr>
<td>MATH 245</td>
<td>Linear Algebra</td>
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<td>Vector Calculus</td>
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<td>MATH 333</td>
<td>Differential Equations</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 231</td>
<td>General Chemistry I</td>
<td>4</td>
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</table>

Select 10 additional hours chosen from other courses applicable to the department major.

Total Credits 20

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## Engineering, Dual Degree

Requirements for the Wheaton degree include:

<table>
<thead>
<tr>
<th>Code</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>ENGR 101</td>
<td>Introduction to the Engineering Profession</td>
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<tr>
<td>ENGR 394</td>
<td>Engineering Ethics Capstone</td>
<td>2</td>
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<tr>
<td>Select one of the following:</td>
<td>2-4</td>
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</tr>
<tr>
<td>ENGR 204</td>
<td>Innovative Design in Engineering¹</td>
<td></td>
</tr>
<tr>
<td>PHYS 345</td>
<td>Methods of Data Analysis and Presentation¹</td>
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<tr>
<td>PHYS 231</td>
<td>Introductory Physics I</td>
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</tr>
<tr>
<td>PHYS 232</td>
<td>Introductory Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 334</td>
<td>Computer Modeling of Physical Systems</td>
<td>2</td>
</tr>
</tbody>
</table>

Completion of remaining engineering requirements at an ABET accredited program

¹ Students planning a degree in biomedical or chemical engineering are exempt from ENGR 204 or PHYS 345 provided that they take CHEM 341 and CHEM 342.
Politics and International Relations

The Department of Politics and International Relations aims to foster a deeper appreciation for domestic and international politics through the study of political behavior, government institutions, and the international system. In fulfillment of this aim, the department offers courses that:

1. expose students to the major areas of the discipline, including American politics, international politics, comparative politics, public policy, law, and political philosophy;
2. emphasize concepts, theories, and tools that are essential in political analysis;
3. address key issues involved in the building of just and peaceful political communities; and
4. examine the relationship of Christianity and politics.

The department offers majors in Political Science and International Relations that are firmly rooted in the traditional liberal arts curriculum of Wheaton College. Due to the large overlap between the two majors, department policy does not allow a double major in Political Science and International Relations.

Faculty
Chair, Associate Professor: Bryan McGraw
Professor: Amy Black
Associate Professor: David Iglesias
Assistant Professors: Kathryn Alexander, Kristin Garrett, Michael McKoy, Timothy Taylor

Programs
- Political Science Major (p. 204)
- Political Science Minor (p. 204)
- International Relations Major (p. 205)
- International Relations Minor (p. 205)
- Peace and Conflict Studies Certificate (p. 205)

Courses

Political Science Courses

PSCI 135. American Politics and Government. (4 Credits)
American Politics and Government. An introduction to the foundations and institutions of the United States' political system. Explores the political behavior of individuals and groups and engages contemporary political debate.
Tags: SI

PSCI 145. Political Philosophy. (4 Credits)
An exploration of some of the major themes in the tradition of western political thought, to include the nature of politics, freedom, equality, justice, and virtue. The course will center around some of the tradition's most significant texts, including works by Plato, Augustine, Hobbes, Mill and more contemporary authors.
Tags: PI, SI

PSCI 201. U.S. Education Policy: Problems and Possibilities. (4 Credits)
See EDUC 201
Tags: DUS, SI

PSCI 231. Chicago. (2 Credits)
An Introduction. See URBN 231.

PSCI 235. Iowa Caucus. (2 Credits)
A hands-on exploration of the presidential nomination process including campaign work and observation of Iowa precinct caucuses. Presidential election years.

PSCI 236. Intercollegiate Trial Advocacy. (0 or 1 Credits)
A hands-on exploration of the theory and practice of trial advocacy through competition in intercollegiate mock trial tournaments. Graded pass/fail. One credit hour per year based on full participation in the fall and spring semesters. Register for credit in the spring semester. Prerequisite: Instructor permission.

PSCI 237. Women and Politics. (2 Credits)
An exploration of the role of American women and politics in the late nineteenth century and its transformation into the role of American women in politics by the late twentieth century.

PSCI 244. Film and Political Theory. (2 Credits)
This course explores how films develop, offer, and apply arguments about human nature, human flourishing, and other topics central to normative theorizing about politics.

PSCI 245. Politics & Pop Culture. (2 Credits)
An exploration and evaluation of portrayals of political themes and concepts in various forms of popular culture including film, television, and plays.

PSCI 274. Introduction to Law. (4 Credits)
This course provides a general introduction to the nature and function of law in society.

PSCI 301. Topics in Political Science. (2 Credits)
Selected topics, designed to give added breadth and depth to the understanding of American politics and/or political behavior.

PSCI 302. Topics in Political Science. (4 Credits)
Selected topics, designed to explore an important topic in American politics, political behavior, or political theory.

PSCI 311. Constitutional Law. (4 Credits)
An examination of the American constitutional system, with special emphasis given to the role of judicial institutions and the impact of Supreme Court decisions.

PSCI 325. Criminal Law Procedure. (2 Credits)
This course provides a general introduction to the process by which government investigates, charges and proves criminal offenses committed by individuals.

PSCI 327. Civil Rights and Police Action. (2 Credits)
This course provides a general introduction to the constitutionally protected civil rights individuals have in the United States and whether use of force by law enforcement violates these rights. The course focuses on use of force issues from wrongful arrest to fatal use of force by law enforcement.

PSCI 332. Media and Politics. (4 Credits)
This course explores the interrelationship between the mass media (including print, broadcast, and new media), public opinion, and American politics. Prerequisite: PSCI 135 or equivalent.

PSCI 343. Political Ethics. (4 Credits)
This course brings philosophical ethics and normative political theory into dialogue with the distinctive practical problems associated with contemporary American politics and policy. Topics to be considered include abortion, euthanasia, affirmative action, war, distributive justice, deception and manipulation, and the ethics of roles.
PSCI 344. Women, Politics, and American Society. (4 Credits)
An exploration of the role of women in American politics from revolutionary times to the present, tracing the transformation of the role of American women from outsiders to more full participants in politics and government.

Tags: DUS

PSCI 349. Christian Political Thought. (4 Credits)
An engagement with the varieties of Christian thinking about politics, including both its historical development and the contemporary alternatives. Thinkers explored will include Augustine, Aquinas, Luther, Calvin, Locke, Niebuhr, Hauerwas, and a number of others.

PSCI 358. Campaigns in Context. (2 Credits)
An examination of federal, state, and local campaigns with an emphasis on the politics and context of the November election. Wheaton-in-Washington Program. PSCI 135 recommended.

PSCI 359. Washington Workshop. (2 Credits)

PSCI 361. Political Research. (4 Credits)
This course introduces research design to students using the context of political science. While there are many approaches to research design, we will focus upon quantitative analysis. At the introduction students will be exposed to the basic framework of theories, variables, and causation. Students will then construct a research design to test an original political science project. This course is designed to be an introduction to research methods so there are no prerequisites. Students are encouraged to approach projects with creativity and ask questions.

Tags: AAQR

PSCI 363. Race and Politics in the United States. (4 Credits)
This course investigates the complex relationship between racial and ethnic identity and political outcomes in the United States. It explores broad political science concepts like public opinion, political behavior, social movement, media effects, and political representation in the context of racial and ethnic groups.

Tags: DUS

PSCI 364. Analyzing Public Opinion. (4 Credits)
This course equips students to apply mathematical concepts, especially in the area of statistics, to analyze public opinion data. It leverages substantive public opinion topics and a semester-long research project as springboards to learn about and apply quantitative methods to describe phenomena and answer research questions related to public opinion.

PSCI 365. Classical and Medieval Political Thought. (4 Credits)
The western political tradition rests on the interplay between the claims emerging out of classical Greece and Rome on the one hand and out of Christianity on the other. This course explores that interplay by engaging both classical (Homer, Sophocles, Plato, Aristotle) and Christian political thinkers (Augustine, Aquinas).

PSCI 366. Modern Political Thought. (4 Credits)
This course chronicles the replacement of the Christian order and the development of its theoretical alternative, modernity. Thinkers considered include: Machiavelli, Hobbes, Locke, Rousseau, Marx, Mill, Nietzsche, and Freud.

PSCI 368. American Political Thought. (4 Credits)
An analysis of central ideas in the history of American political thought, from the founding to the present.

PSCI 371. Public Opinion and American Democracy. (4 Credits)
This course helps students understand the factors that shape political attitudes and the actions they trigger in the United States. Particular attention is given to major methods and findings of survey research, as well as to implications of this research for how we think about the role of citizens in democracy.

PSCI 374. Political Psychology: Understanding the Political Mind and Behavior. (4 Credits)
This course equips students to apply the concepts, theories, and methods of psychology to better understand political attitudes and behavior. It emphasizes how new research at the intersection of fields like psychology, biology, and neuroscience can inform our thinking about politics.

Tags: SIP

PSCI 383. Religion & American Politics. (4 Credits)
An assessment of the role of religion in American politics, focusing especially on the contemporary era. Particular attention is given to the role of evangelicals. Periodic.

PSCI 384. The Presidency. (4 Credits)
Examines the role of the presidency in the U.S. political system, focusing on such themes as leadership, decision-making, and Congressional-Executive relations. Alternate years.

PSCI 385. Urban Politics. (2 Credits)
An analysis of the politics of urban areas, including relationships with state and national governments, decision-making, and urban public policy.

PSCI 386. Congress & Policy Process. (4 Credits)
Congress and the Policy Process. An examination of the role of Congress in the American political process, including historical development, structure and functions, and decision-making. Recommended for those seeking Washington internships. Alternate years.

PSCI 387. Law and Religion. (4 Credits)
This course is designed to introduce students to the moral, legal, and constitutional questions surrounding religion and its place in democratic public life. Students will have an opportunity to gain a familiarity with the development of American constitutional law as it relates to religion, explore the alternatives to those developments, understand the contending side of contemporary controversies, and articulate their own considered views on each via both presentations and writing exercises.

PSCI 389. Campaigns and Elections. (4 Credits)
Explores the structures and institutions of American electoral politics, including the nomination process and general elections. Gives special attention to the elements of the modern campaign, including campaign finance, research, polling, advertising, and media use. Alternate years.

PSCI 494. Senior Seminar. (2 Credits)
An analysis of the interrelationship of politics and the Christian faith, focusing on vocational, conceptual, legal, and domestic public policy issues. Senior majors only.

PSCI 495. Independent Study. (2 to 4 Credits)
A guided individual reading and research problem. Junior and senior majors, or discretion of professor.

PSCI 496. Internship. (4 Credits)
A series of programs designed for practical experience in professions frequently chosen by Political Science majors, such as law, government, and public service. Prerequisite: Political Science major with junior or senior standing and a minimum of 16 credits in the department.
PSCI 499. Honors Thesis. (4 Credits)
An independent research project requiring original research, developed into a scholarly paper and culminating in an oral examination. By application only. The honors thesis may not be counted toward the total hours to complete the major.

International Relations Courses

IR 155. Comparative Politics. (4 Credits)
An introduction to the comparative analysis of the political systems of countries around the world. The course will examine the role of political institutions, political participation, and economics in shaping societies.

Tags: GP, SI

IR 175. International Politics. (4 Credits)
An introduction to the politics among states. Themes emphasized include: international security, diplomacy, conflict resolution and war, human rights, international law and organization, and global political economy.

Tags: SI

IR 301. Topics in International Politics. (2 Credits)
Selected topics, designed to give added breadth and depth to the understanding of international politics.

IR 302. Topics in International Politics. (4 Credits)
Selected topics, designed to give added breadth and depth to the understanding of international politics.

IR 312. Islam & Politics. (4 Credits)
This seminar course focuses on central Islamic concepts relating to politics and the role of Islam in political movements and individual political action.

IR 315. Politics of Global Development. (4 Credits)
This course examines the nature and processes of economic development and political change in less developed countries. Emphasis is given to comparing the political economy of good governance.

IR 318. Environmental Politics. (4 Credits)
Contemporary environmental challenges suggest fundamental problems of nature-society relations through socio-physical phenomena such as acid rain, urban air pollution, deforestation, rabid desertification, high rates of extinction, and the prospect of global warming, as well as mounting inequality in threats to human wellbeing generated by these issues. This course engages various perspectives on the politics of these issues, equipping students to 1) understand the ways in which scholars and activists think about environmental challenges, 2) critically engage such perspectives, and 3) apply such perspectives to the changing landscape of environmental issues.

IR 325. Justice Among the Nations. (4 Credits)
This course explores the moral questions occasioned by relationships among and between nations: what are the justifications for (and limits of) national sovereignty? Are there better (morally and practically) alternatives? Should the material wealth of the modern global economy be produced and distributed differently than it is now? When and how may states (or other sorts of political authorities) use military force? How can nations reconcile and act justly after mass atrocities?

IR 327. Ethics & Foreign Policy. (2 Credits)
An examination of the role of moral values in foreign policy, with special emphasis on war, human rights, and foreign intervention. Prerequisite: IR 175.

IR 328. International Law. (2 Credits)
Analyses the nature and role of law in the international community through leading case studies.

IR 329. Forgiveness & Reconciliation. (2 Credits)
This class explores the potential role of forgiveness in confronting and overcoming systemic regime crimes. The course emphasizes theory and case studies and focuses on processes that foster political reconciliation.

IR 347. East Asian Politics. (4 Credits)
Why do democratic and authoritarian countries coexist as neighbors in one of the world’s densest trade networks? What explains the great inequalities both within and between East Asian countries? We will explore these questions in this course. We will examine the historical development of East Asian states and their contemporary domestic and international politics. In this course, we will investigate the three sub-regions of East Asia: Northeast Asia, China, and Southeast Asia. Finally, contemporary problems of international relations will be discussed ranging from nuclear weapons to island disputes to power transitions away from American hegemony.

Tags: HP

IR 348. Middle East Politics. (4 Credits)
In this course, students will learn about and analyze the political cultures and political conflicts of the Middle East.

Tags: GP, HP

IR 356. European Politics. (4 Credits)
A comparative assessment of the politics and government of selected European nations.

IR 359. Forgiveness and Political Reconciliation. (4 Credits)
This course explores the potential role of forgiveness in confronting and overcoming violence and conflict at the societal level, with particular attention paid to processes and institutions that can foster political reconciliation, seek justice, and promote positive peace. The course emphasizes theories and theological considerations about what it means to forgive, as well as case studies of peacebuilding and transitional justice.

IR 361. Post-communist Politics. (4 Credits)
A comparison of the post-communist political development of a select number of Central and East European states. Examination is given to both the common “Leninist legacies” of communism and the great diversity of political practice now found across the region. Special emphasis is given to political institutions, European Union integration, and select contemporary political issues.

IR 362. Urban Politics in a Global Age. (4 Credits)
This course examines the effects of globalization on major urban centers in the world system, comparing and contrasting cities in North American, Europe, Africa, and Asia. Students will study the economic, political, and social impact, as well as responses of government and civil society.

IR 375. Globalization. (4 Credits)
What are the causes and consequences of globalization? Why do citizens divide on their support and opposition to globalization? How is globalization affect and affected by national politics, history, and cultures? This course will examine the causes of globalization and its effects upon states and citizens. Specifically, we will discuss international trade, migration, growth, development and politics. Taught in conjunction with the Iron Sharpens Iron summer travel program.

Tags: GP, SI

IR 378. U.S. Foreign Policy. (4 Credits)
An analysis of the processes and institutions involved in making U.S. foreign policy. Emphasis given to understanding the development of contemporary issues.
**Political Science Major**

The major in political science serves as preparation for:

1. graduate study in politics, government, and related fields, including area studies, public policy, and public administration;
2. law school;
3. careers in government and public affairs; and
4. work in the private and non-profit sectors that require knowledge of government and politics.

### Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

**Requirements for the Political Science major** are 34 hours of Political Science and International Relations courses and 4 hours of Political Research or Statistics.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 135</td>
<td>American Politics and Government</td>
<td>4</td>
</tr>
<tr>
<td>PSCI 145</td>
<td>Political Philosophy</td>
<td>4</td>
</tr>
<tr>
<td>IR 155</td>
<td>Comparative Politics</td>
<td>4</td>
</tr>
<tr>
<td>or IR 175</td>
<td>International Politics</td>
<td></td>
</tr>
<tr>
<td>PSCI 361</td>
<td>Political Research (or a department-approved equivalent)</td>
<td>4</td>
</tr>
<tr>
<td>or MATH 263</td>
<td>Introduction to Statistics</td>
<td></td>
</tr>
<tr>
<td>PSCI 494</td>
<td>Senior Seminar</td>
<td>2</td>
</tr>
<tr>
<td>PSCI 496</td>
<td>Internship</td>
<td>4</td>
</tr>
</tbody>
</table>

**Electives**

Select 16 credits

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
</table>

1 Select 16 credits of PSCI and/or IR courses at the 200-level and above, of which at least 8 credits must be taken in PSCI and/or IR courses numbered 350-399.

---

**Peace and Conflict Studies Courses**

**PACS 201. Introduction to Peace and Conflict. (4 Credits)**

This is the introductory course for the Peace and Conflict Studies certificate program. This interdisciplinary survey course will employ different perspectives and methodological approaches in order to understand the nature and sources of conflict, violence, and suffering; different meanings of “peace”; the processes, challenges, and trade-offs to establishing peace, justice, and reconciliation; and the Christian call to be makers of peace.

**Tags:** DUS, SI

**PACS 494. Senior Seminar in Peace and Conflict Studies: Peace, Reconciliation, and Justice. (2 Credits)**

This two-hour course will explore the prospects for peace and reconciliation given the fact of violence. The course will consider various ideals of justice, various methods of peacebuilding, and limitations associated with methods and movements for peace, reconciliation, and justice. The extent and efficacy of religion and religionists in peace, reconciliation and justice efforts will be considered, as well secular humanist approaches to peace, reconciliation and justice. Since students from the Community Transformation concentration and from the Global Justice concentration will coalesce in this course, students will debate the strengths and weaknesses of various units of analysis and of various disciplinary and methodological approaches to conflict resolution and peace building.

**PACS 496. Internship. (4 Credits)**

Allow students with opportunities to apply theoretical and theological knowledge by engaging in strategic peacebuilding, conflict resolution and conflict management in a variety of contexts to organizations. In addition, internships provide valuable insight into careers related to peace building and conflict management. Exploration of faith and vocation is a crucial component.

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**Political Science Minor**

### Requirements

**Requirements for a Political Science minor** are 20 hours:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 135</td>
<td>American Politics and Government</td>
<td>4</td>
</tr>
<tr>
<td>PSCI 145</td>
<td>Political Philosophy</td>
<td>4</td>
</tr>
<tr>
<td>IR 155</td>
<td>Comparative Politics</td>
<td>4</td>
</tr>
<tr>
<td>or IR 175</td>
<td>International Politics</td>
<td></td>
</tr>
</tbody>
</table>

**Electives**

Select 8 credits of upper division electives in either Political Science or International Relations.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Total Credits</th>
<th>20</th>
</tr>
</thead>
</table>
International Relations Major

The major in International Relations stresses integrated knowledge in the areas of politics, economics, history, and languages. The International Relations major provides focused training for students who plan to work in a wide variety of international career fields, including international diplomacy, international business, development work, non-profit sector work, international law, and graduate study in law, policy, international relations, and comparative politics.

Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for the International Relations major are 34 hours of IR and PSCI courses plus 12 hours of required supporting courses for a total of 46 hours.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Major Requirements</td>
<td></td>
<td>18</td>
</tr>
<tr>
<td>IR 155</td>
<td>Comparative Politics</td>
<td></td>
</tr>
<tr>
<td>IR 175</td>
<td>International Politics</td>
<td></td>
</tr>
<tr>
<td>PSCI 135</td>
<td>American Politics and Government</td>
<td></td>
</tr>
<tr>
<td></td>
<td>or PSCI 145</td>
<td>Political Philosophy</td>
</tr>
<tr>
<td>IR 494</td>
<td>Senior Seminar</td>
<td></td>
</tr>
<tr>
<td>IR 496</td>
<td>Internship</td>
<td></td>
</tr>
</tbody>
</table>

Electives
Select 16 credits of elective at the 300-level or higher, 4 credits of which may come from PSCI courses at the 300-level or above. 8 credits must be from IR courses numbered 350-399.

Total Credits 34

The major requires 12 hours of supporting courses from other departments. This includes 4 hours or its equivalent of a modern language beyond the 201 level. Students who plan to complete the language requirement off-campus, who are bilingual, or who have advanced proficiency in a second language other than English should see the Politics and IR Department for detailed guidelines about meeting the foreign language requirement. The other 8 hours of supporting courses must be taken from two of the following four categories. The four categories are Foreign Language, Economics, History, and Research:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Supporting Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foreign Language</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Another 4 credits beyond proficiency</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other Categories</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>Select 8 credits from two of the following three categories:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IR 379</td>
<td>International Political Economy (may be applied toward either the economics requirement or the upper division IR elective requirement, but not both)</td>
<td></td>
</tr>
<tr>
<td>ECON 211</td>
<td>Principles of Microeconomics</td>
<td></td>
</tr>
<tr>
<td>ECON 212</td>
<td>Principles of Macroeconomics</td>
<td></td>
</tr>
<tr>
<td>ECON 325</td>
<td>Intermediate Macroeconomics</td>
<td></td>
</tr>
<tr>
<td>ECON 361</td>
<td>Evolution of Global Economy</td>
<td></td>
</tr>
<tr>
<td>ECON 362</td>
<td>Wealth &amp; Poverty of Nations</td>
<td></td>
</tr>
<tr>
<td>ECON 364</td>
<td>Health Economics</td>
<td></td>
</tr>
<tr>
<td>ECON 365</td>
<td>Economic Growth &amp; Development</td>
<td></td>
</tr>
<tr>
<td>ECON 366</td>
<td>International Economics</td>
<td></td>
</tr>
<tr>
<td>ECON 378</td>
<td>Economics of Labor &amp; Poverty</td>
<td></td>
</tr>
</tbody>
</table>

History

History courses numbered 200 and above that focus on some part of the world outside the United States.

Research

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 263</td>
<td>Introduction to Statistics</td>
<td></td>
</tr>
<tr>
<td>PSCI 361</td>
<td>Political Research (or approved equivalents)</td>
<td></td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

1 ECON courses may have prerequisites. AP credit in Economics will not count for major credit.

International Relations Minor

Requirements

Requirements for an International Relations minor are 20 hours including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minor Requirements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IR 155</td>
<td>Comparative Politics</td>
<td>4</td>
</tr>
<tr>
<td>IR 175</td>
<td>International Politics</td>
<td>4</td>
</tr>
</tbody>
</table>

Approved Electives
Select 12 credits, at the 300-level or above, of which at least 8 credits must be taken in the IR department.

Total Credits 20

Peace and Conflict Studies Certificate

Coordinator, Michael McKoy

The certificate in Peace and Conflict Studies is an interdisciplinary program that examines the causes of violent conflict; mechanisms and models for dealing with violent conflict; and norms, practices, and institutions for building a just and sustainable peace. The Peace and Conflict Certificate prepares students to think critically in the midst of geopolitical complexities like war, genocide, human rights abuses, and injustices based on various forms of discrimination. The program combines theoretical rigor with theological, moral, and ethical reflection on topics related to conflict, war, peace, justice, and reconciliation.

Requirements

Requirements for a Certificate in Peace and Conflict Studies are 24-26 hours of coursework according to the following distribution. Students from all majors are eligible to receive a certificate in Peace and Conflict Studies.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Requirements</td>
<td></td>
<td>16-18</td>
</tr>
</tbody>
</table>

Introduction

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PACS 201</td>
<td>Introduction to Peace and Conflict</td>
<td></td>
</tr>
</tbody>
</table>
Peace and Conflict Studies Certificate

Ethics 1
Select one of the following:
- B EC/PHIL 328 Business Ethics
- BIOL/PHIL 304 Bioethics
- BIOL 319 Introduction to Environmental Ethics
- BITH 375 Christian Ethics
- ENVR 319 Environmental Ethics
- IR 327 Ethics & Foreign Policy
- PHIL 205 Ethics & Society
- PHIL/PSCI 349 Christian Political Thought
- PSCI 343 Political Ethics

Reconciliation 1
- COMM 367 Reconciliation & Conflict Resolution
  or IR 329 Forgiveness & Reconciliation
- URBN 371 Race, Poverty, and Reconciliation

Senior Capstone
- PACS 494 Senior Seminar in Peace and Conflict Studies: Peace, Reconciliation, and Justice

Internship or Practicum/Experiential
- PACS 496 Internship 2

Electives
Select 8 credits (see list) 3

Total Credits 24-26

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1 Students must complete one Ethics course and one Reconciliation course that must total 6 hours of coursework.
2 Internships must be substantively related to themes of Peace and Conflict Studies and pre-approved by the director. Internships for other majors may count for Peace and Conflict Studies.
3 Four of the elective credit hours must come from courses outside the student's declared major.

Electives (8 hours) Electives for the Peace and Conflict Studies Certificate cover two major topical areas: Sources and Nature of Violence (SNV) and Avenues of Peace, Justice, and Reconciliation (PJR). These foci are consonant with two major areas of conflict and peacebuilding and will help prepare students to pursue fields and post-graduate studies in areas such as community development, international development, and conflict mediation. Four of the elective course hours must come from courses outside the student's major.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 319</td>
<td>Colonialism and Redemption: Native American Culture and Theology from 1492 to Wounded Knee (SNV/PJR)</td>
<td>2</td>
</tr>
<tr>
<td>ANTH 353</td>
<td>Biculturalism (PJR)</td>
<td>4</td>
</tr>
<tr>
<td>ANTH 432</td>
<td>Violence and Peace in Latin America (SNV/PJR)</td>
<td>4</td>
</tr>
<tr>
<td>ANTH 435</td>
<td>Power and Gender in Southeast Asia (SNV)</td>
<td>4</td>
</tr>
<tr>
<td>ART 329</td>
<td>Community Art (PJR)</td>
<td>3</td>
</tr>
<tr>
<td>ART 429</td>
<td>Community Art II (PJR)</td>
<td>3</td>
</tr>
<tr>
<td>BITH 338</td>
<td>Genesis 1-11 (SNV/PJR)</td>
<td>2</td>
</tr>
<tr>
<td>BITH 351</td>
<td>Jesus Of Nazareth (PJR)</td>
<td>4</td>
</tr>
<tr>
<td>COMM 223</td>
<td>Communication &amp; Diversity (PJR)</td>
<td>2</td>
</tr>
<tr>
<td>CFM 224</td>
<td>Christian Spiritual Practices (PJR)</td>
<td>2</td>
</tr>
<tr>
<td>CFM 339</td>
<td>Compassion and Crisis Ministry: Responding to Trauma and Suffering (PJR)</td>
<td>4</td>
</tr>
<tr>
<td>COMM 253</td>
<td>Messages, Influence, and Culture (SNV/PJR)</td>
<td>4</td>
</tr>
<tr>
<td>COMM 367</td>
<td>Reconciliation &amp; Conflict Resolution (PJR)</td>
<td>2</td>
</tr>
<tr>
<td>ECON 347</td>
<td>Urban Economics (SNV)</td>
<td>4</td>
</tr>
<tr>
<td>ECON 362</td>
<td>Wealth &amp; Poverty of Nations (SNV)</td>
<td>4</td>
</tr>
<tr>
<td>ECON 365</td>
<td>Economic Growth &amp; Development (PJR)</td>
<td>4</td>
</tr>
<tr>
<td>ECON 378</td>
<td>Economics of Labor &amp; Poverty (SNV/PJR)</td>
<td>4</td>
</tr>
<tr>
<td>ENGW 333</td>
<td>Writing for Social Change (PJR)</td>
<td>4</td>
</tr>
<tr>
<td>ENVR 221</td>
<td>Living in the Environment: An Introduction to Environmental Science (PJR)</td>
<td>4</td>
</tr>
<tr>
<td>ENVR 315</td>
<td>Nature, Environment &amp; Society (SNV)</td>
<td>4</td>
</tr>
<tr>
<td>ENVR 319</td>
<td>Environmental Ethics (PJR)</td>
<td>4</td>
</tr>
<tr>
<td>ENVR 325</td>
<td>The Global Commons: International Issues in Environmental Science (SNV/PJR)</td>
<td>4</td>
</tr>
<tr>
<td>ENVR 381</td>
<td>Environmental Pollution and Toxicology (SNV)</td>
<td>4</td>
</tr>
<tr>
<td>GERM 431</td>
<td>&quot;Other“ Germans: Turkish and Minority Experience. (SNV/PJR)</td>
<td>4</td>
</tr>
<tr>
<td>GERM 432</td>
<td>The Holocaust and Contemporary Jewish Experience (SNV/PJR)</td>
<td>4</td>
</tr>
<tr>
<td>GREE 332</td>
<td>Homer: Iliad (SNV)</td>
<td>4</td>
</tr>
<tr>
<td>HIST 348</td>
<td>Revolutionary Europe (1789-1870) (SNV)</td>
<td>4</td>
</tr>
<tr>
<td>HIST 349</td>
<td>Origins of Contemporary Europe (1870-1950) (SNV)</td>
<td>4</td>
</tr>
<tr>
<td>HIST 356</td>
<td>The American Revolution (SNV/PJR)</td>
<td>4</td>
</tr>
<tr>
<td>HIST 357</td>
<td>The American Civil War (SNV/PJR)</td>
<td>4</td>
</tr>
<tr>
<td>HIST 361</td>
<td>The Global Cold War (SNV)</td>
<td>4</td>
</tr>
<tr>
<td>HIST 374</td>
<td>Nazi Germany (SNV)</td>
<td>4</td>
</tr>
<tr>
<td>IR 315</td>
<td>Politics of Global Development (SNV/PJR)</td>
<td>4</td>
</tr>
<tr>
<td>IR 325</td>
<td>Justice Among the Nations (PJR)</td>
<td>4</td>
</tr>
<tr>
<td>IR 329</td>
<td>Forgiveness &amp; Reconciliation (PJR)</td>
<td>2</td>
</tr>
<tr>
<td>IR 348</td>
<td>Middle East Politics (SNV)</td>
<td>4</td>
</tr>
<tr>
<td>IR/URBN 362</td>
<td>Urban Politics in a Global Age (SNV/PJR)</td>
<td>4</td>
</tr>
<tr>
<td>IR 375</td>
<td>Globalization (SNV/PJR)</td>
<td>4</td>
</tr>
<tr>
<td>IR 378</td>
<td>U.S. Foreign Policy (SNV/PJR)</td>
<td>4</td>
</tr>
<tr>
<td>MSCI 211</td>
<td>American Military History (SNV)</td>
<td>2</td>
</tr>
<tr>
<td>PHIL 241</td>
<td>Suffering (SNV)</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 251</td>
<td>Global Justice (PJR)</td>
<td>4</td>
</tr>
<tr>
<td>PSIC/URBN 385</td>
<td>Urban Politics (SNV)</td>
<td>2</td>
</tr>
<tr>
<td>PSYC 235</td>
<td>Cross-Cultural Psychology (PJR)</td>
<td>2</td>
</tr>
<tr>
<td>PSYC 241</td>
<td>Social Psychology (SNV/PJR)</td>
<td>4</td>
</tr>
<tr>
<td>SOC 337</td>
<td>Racial and Ethnic Relations (SNV/PJR)</td>
<td>4</td>
</tr>
<tr>
<td>SOC 341</td>
<td>Social &amp; Political Movements (SNV/PJR)</td>
<td>4</td>
</tr>
<tr>
<td>SOC 347</td>
<td>Gender &amp; Society (SNV/PJR)</td>
<td>4</td>
</tr>
<tr>
<td>SOC 355</td>
<td>Social Class &amp; Inequality (SNV)</td>
<td>4</td>
</tr>
<tr>
<td>SOC 367</td>
<td>Crime &amp; Delinquency (SNV)</td>
<td>4</td>
</tr>
<tr>
<td>SOC 385</td>
<td>Social Change (PJR)</td>
<td>4</td>
</tr>
</tbody>
</table>
Pre-Law Studies Certificate

Pre-law Advisor, Stephen N. Bretsen

Wheaton College offers a certificate program in Pre-Law Studies. This is an interdisciplinary program designed to provide students with a concentration of course work that supports the future study and practice of law.

The requirements of the certificate are 26 hours from three groupings:

- Group 1—Core Requirements
- Group 2—Law-Related Courses
- Group 3—Supporting Elective Courses

Requirements

The requirements of the certificate are 26 hours from three groupings:

- Group 1—Core Requirements: The required core courses are PSCI 274 Introduction to Law and a four-hour internship. The internship will be approved for academic credit and administered through the student’s major department but must be related to the field of law and approved by the Pre-Law Advisor. If the student’s major department is unwilling to approve and administer the internship, the Pre-Law Advisor may do so for academic credit outside the student’s major department.
- Group 2—Law-Related Courses: A total of ten elective hours must be taken from an approved group of law-related courses. Course work must be elected from at least two departments.
- Group 3—Supporting Elective Courses: A total of eight elective hours must be taken from an approved list of supporting courses. Course work must be elected from at least two departments, one of which is not elected under Group 2, Law-Related Courses. The required and approved elective courses are as follows, with relevant "topics in..." courses considered on a case-by-case basis:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 274</td>
<td>Introduction to Law</td>
<td>4</td>
</tr>
<tr>
<td>LAW 496</td>
<td>Pre-Law Internship (or Major Department 496 Internship)</td>
<td>4</td>
</tr>
</tbody>
</table>

Law-Related Elective Courses

Select 10 credits from at least two departments: 10

- B EC 352 Business Law
- IR 328 International Law
- PHIL 318 Philosophy of Law
- PSCI 311 Constitutional Law
- PSCI 325 Criminal Law Procedure
- PSCI 327 Civil Rights and Police Action
- PSCI 368 American Political Thought
- PSCI 387 Law and Religion
- SOC 367 Crime & Delinquency

Supporting Elective Courses

Select 8 credits from at least two departments, one of which is not elected under Law-Related Courses: 8

- COMM 252 Argumentation and Debate
- COMM 353 Advanced Persuasive Speaking
- COMM 362 Group Dynamics

Courses

Pre-Law Courses

LAW 496. Pre-Law Internship. (4 Credits)

General elective credit for an internship with a practicing legal professional. Prerequisites: (i) junior or senior standing; (ii) a minimum of 16 hours of courses in the student’s department major and 8 hours of required or elective courses toward the Pre-law Studies Certificate; (iii) the internship is for the Pre-law Studies Certificate, and the student is unable to secure approval for a Major Department 496 Internship; and (iv) approval of the Pre-Law Advisor. Graded pass/fail.
Psychology

The purpose of the undergraduate program is to apprehend, glorify, and respond to God through fostering the study and understanding of human and animal behavior and information processing, as well as the relevant physiological correlates. Students in the program are prepared to meet academic standards required for graduate work in any number of areas (psychology, neuroscience, medicine, law, theology, etc.). They also are exposed to principles of human behavior that promote success in any area of life, such as parenting, the job market, etc.

Course offerings provide insight into:

1. methods for studying human and animal behavior;
2. current research findings and major psychological theories, including their historical and theoretical underpinnings;
3. integration of Christian faith with the field of psychology; and
4. hands-on experience with the application of psychology in various venues (research in the laboratory, practical internships at off-campus locations).

In addition to the Bachelor of Arts degree in Psychology, the department offers an undergraduate Certificate in Neuroscience, a Master of Arts degree in Clinical Mental Health Counseling, a Master of Arts degree in Marriage and Family Therapy, and a Doctor of Psychology degree.

The program provides a foundation of knowledge in the subfields of psychology, which include the areas of cognition, development, perception, neuroscience, statistics, research methods, experimental, social, and clinical psychology. This training lays the groundwork for success in graduate programs in psychology, as well as in other related fields, and in a number of other job sectors such as non-profit and government social services. Thus, the Psychology Department prepares students for opportunities in a variety of post-graduation career options. The major introduces students to the accumulated literature in psychology and develops their abilities for understanding, evaluating, and applying psychological knowledge. Students are also trained in the research methodologies utilized in psychology and provided with opportunities for practical experience in pre-professional activities related to basic and applied psychology. An important goal in all our courses is to help students in their ability to appropriately interrelate their study of psychology and the Christian faith.

Honors. The department offers an honors program for those students who meet the academic qualifications and are approved by department faculty.

Faculty

Dean of the School of Psychology, Counseling, and Family Therapy, Professor Terri Watson
Arthur P. Rech and Mrs. Jean May Rech Professor of Psychology Mark Yarhouse
Professor of Counseling Tammy Schultz
Professors of Psychology Richard Butman, Sally Schwer Canning, William Struthers
Associate Professor of Marriage and Family Therapy David Van Dyke
Associate Professors of Psychology Aimee Callender, Ward Davis, Sarah Hall, Raymond Phinney, Benjamin Pykkonen, Sandra Yu Rueger, John Vessey
Assistant Professors of Counseling Eric Brown, Bellah Kitiki
Assistant Professors of Marriage and Family Therapy Jacob Johnson, Hana Yoo

Assistant Professors of Psychology Elisha Eveleigh, Christin Fort, Darlene Hannah, Tao Liu, John McConnell, Vitaliy Voytenko
Emeritus Scholar in Residence Cynthia Neal Kimball
Emeritus Professor of Psychology Stanton Jones

Programs

- Psychology Major (p. 210)
- Psychology Minor (p. 210)
- Neuroscience Certificate Program (p. 210)

Courses

Psychology Courses

Note: Undergraduate courses are designated 101-499.

PSYC 101. Introduction to Psychology. (4 Credits)
Provides an introduction to psychology as a social and behavioral science, focusing on its major topics, methods, theories, applications, and the integration of psychology and Christianity.

PSYC 235. Cross-Cultural Psychology. (2 Credits)
An examination of the impact of culture on various psychological processes and systems. This course is designed for both majors and non-majors.

PSYC 241. Social Psychology. (4 Credits)
A study of human thought, emotion, and behavior in an interpersonal context.

PSYC 268. Statistics. (4 Credits)
An introduction to descriptive and inferential statistics used in research. Students will be taught how to conduct and interpret correlations, simple regression, several types of t-tests, analysis of variance (one-way and factorial with interaction), and chi-squared tests. Students will be introduced to the framework of hypothesis testing, type 1 and type 2 errors, and power. Prerequisite: PSYC 101.

PSYC 269. Experimental Psychology. (4 Credits)
An examination of the research methods of psychology and the philosophy behind their use and an opportunity to apply these skills in research. Prerequisite: PSYC 268.

PSYC 317. Developmental Psychology. (4 Credits)
An overview of the current scientific models, concepts, and integrative methodologies of developmental psychology across the life span.

PSYC 343. Sensation & Perception. (4 Credits)
A survey of the current scientific models, concepts, and integrative theories that encompass the field of human sensory and perceptual studies, with a special emphasis on the neurological and cognitive features of vision. Prerequisite: PSYC 269.

PSYC 345. Learning. (4 Credits)
Examines learning through the Pavlovian and Skinnerian traditions from the early twentieth century up to the present day. Students will apply their course learning outside the classroom by engaging in behavioral training with an animal. Prerequisite: PSYC 269
PSYC 348. Abnormal Psychology. (4 Credits)
An overview of the major theories, concepts, issues, data, and research methodologies of abnormal psychology. Emphasis on assessment, treatment, and prevention. Prerequisite: PSYC 101.

PSYC 351. Cognition. (4 Credits)
A survey of the current scientific models, concepts, and integrative theories that encompass the field of human thought such as information processing, language, attention, and problem solving, as well as human perceptual experience and consciousness. Prerequisite: PSYC 269.

PSYC 352. Contemporary Clinical Psych. (4 Credits)
Contemporary Clinical Psychology. An overview of the major contemporary approaches to psychotherapy used in mental health settings. Includes an emphasis on the counselor as a person and as a professional, ethical issues in counseling practice, and essential counseling skills. Prerequisite: PSYC 348.

PSYC 355. Advanced Statistics & Psychological Testing. (4 Credits)
An introduction to computer-based statistical analysis and psychological testing of child and adult intelligence, personality, and psychopathology. Topics include exploratory data analysis, multiple regression, factor analysis, scale construction. Students will also learn to administer and evaluate specific psychological tests. Prerequisite: PSYC 269 or consent of instructor.

PSYC 361. Behavioral Neuroscience. (4 Credits)
An overview of the neuroanatomical, neuropophysiological, and neurochemical underpinnings of sensory systems and the expression of behavior. Prerequisite: PSYC 269 or consent of instructor.

PSYC 371. Intro to Psychopharmacology. (2 Credits)
This course examines the psychological effects and neurobiological mechanisms of action of psychoactive drugs, drugs that are used in the treatment of psychopathological disorders, and recreational drugs of abuse. This course is designed to provide undergraduate students interested in clinical psychology or psychopharmacology with an overview of the effects and mechanisms of substances which act on both the body and the brain. Prerequisite: PSYC 361.

PSYC 431. Psychology of Human Sexuality. (4 Credits)
An examination of human sexuality from the physiological, psychological, and social context. Topics include theories of psychosexual development, the nature of contemporary gender roles, ethnic identity, theological views of authenticity and cultural factors that impact sexual views and behaviors.

PSYC 482. Theories and Methods of Integration. (2 Credits)
Introduces students to approaches to integrating Biblical and theological perspectives with psychological science and practice, including issues regarding the relationship between science and religion, contemporary models of integration and their critics, and the prescriptive nature of psychology as social science. Prerequisite: Junior or Senior Standing.

PSYC 483. Advanced Topics in Abnormal Psychology. (2 Credits)
Provides students with an in-depth understanding of controversial issues within the field of abnormal psychology, including ethical, legal, political or social issues. Topics pertaining to the integration of abnormal psychology with Christian faith are discussed. Prerequisite: PSYC 348 and junior or senior standing.

PSYC 484. Psychology of Religion. (2 Credits)
Draws upon foundational studies in psychology to explore religious experience from a social scientific perspective, including the exploration of the complex relationships between personality dynamics and faith. Prerequisite: Junior or Senior standing.

PSYC 485. Psychology of the Family. (2 Credits)
An overview of developmental and systemic theories of family functioning, with an emphasis on the impact of family on individual development. Prerequisite: Junior or Senior standing.

PSYC 486. History of Psychology. (2 Credits)
An examination of the historical development of the field of psychology with specific emphasis on its relationship with science, its engagement with Christian religious belief and practice, and its role as an intellectual force in Western culture. Prerequisite: Junior or Senior standing.

PSYC 487. Men and Addictions. (2 Credits)
This course introduces students to the distinct ways in which men suffer from addictions. It explores the underlying genetic, neurophysiological, behavioral, cognitive, spiritual, and social factors that predispose men towards various addictions and their treatments. Prerequisite: Junior or Senior standing.

PSYC 488. Current Issues in School Psychology. (2 Credits)
A survey of current psychological issues in schools including the exploration of individual, family, and societal factors contributing to students' functioning. Emphasis is placed on interventions provided in the school setting. Topics such as school violence, learning disabilities, gender issues, counseling in schools, and academic intervention will be covered. Prerequisite: Junior or Senior standing.

PSYC 494. Personality Psychology. (4 Credits)
This senior capstone course examines major personality theories, their individual assumptions on the nature of persons and their important contributions to the psychological field. Students are challenged to critically evaluate the world-view of each theorist from a Christian theological perspective. Prerequisite: Senior status or permission of instructor.

PSYC 495. Independent Study. (1 to 4 Credits)
Individual library or experimental research carried out under the supervision of a staff member. Prerequisite: consent of the instructor.

PSYC 496. Internship. (4 or 8 Credits)
Credit given for participation in the department's internship program. Prerequisites: five courses in psychology; junior or senior standing with Psychology major.

PSYC 497. Collaborative Research Groups. (2 or 4 Credits)
Credit given for participation in faculty sponsored ongoing research program. The course may be repeated for a maximum of 8 credits, 4 of which may count as major elective. Prerequisite: PSYC 269.

PSYC 499. Honors Thesis. (4 or 8 Credits)
An independent project requiring original research developed in a scholarly paper and culminating in an oral examination. By application only.

Neuroscience Courses

NEUR 241. Foundations of Neuroscience. (4 Credits)
This course is an overview of the basic structure and function of the nervous system. Emphasis is placed on divisions of the nervous system, neural development, cellular and molecular systems and neurophysiology. Two lectures, three hours laboratory. Lab fee.

Tags: SIP, SP

NEUR 369. Neuroscience Collaborative Research. (2 Credits)
A junior/senior level course where students would participate in laboratory research under the direction of a faculty advisor. Prerequisite: Either PSYC 269, BIOL 252, AHS 271 or consent of instructor.
NEUR 385. Special Topics in Neuroscience. (2 Credits)
Seminars or courses in special areas offered at discretion of the program.
Prerequisites: NEUR 241 or BIOL 336 or consent of the instructor.

NEUR 386. Special Topics in Neuroscience. (4 Credits)
Seminars or courses in special areas offered at discretion of the program.
Prerequisites: NEUR 241 or BIOL 336 or consent of the instructor.

NEUR 494. Neuroscience Capstone. (2 Credits)
A junior/senior level course with an interdisciplinary research component is developed as the culmination of the minor. Students will develop a research study using tools from multiple disciplines to answer a question related to the field of neuroscience. Prerequisite NEUR 369.

NEUR 495. Independent Study in Neuroscience. (1 to 4 Credits)
Individual library or experimental research carried on under the supervision of a faculty member approved by the Neuroscience Program Coordinator.

Psychology Major

Requirements
Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for a major are 36 hours including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 101</td>
<td>Introduction to Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 268</td>
<td>Statistics</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 269</td>
<td>Experimental Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 494</td>
<td>Personality Psychology</td>
<td>4</td>
</tr>
</tbody>
</table>

Select two of the following Foundational Processes courses:
(Prerequisite for PSYC courses: PSYC 269)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 343</td>
<td>Sensation &amp; Perception</td>
<td></td>
</tr>
<tr>
<td>PSYC 345</td>
<td>Learning</td>
<td></td>
</tr>
<tr>
<td>PSYC 351</td>
<td>Cognition</td>
<td></td>
</tr>
<tr>
<td>PSYC 355</td>
<td>Advanced Statistics &amp; Psychological Testing</td>
<td></td>
</tr>
<tr>
<td>PSYC 361</td>
<td>Behavioral Neuroscience</td>
<td></td>
</tr>
<tr>
<td>or NEUR 241</td>
<td>Foundations of Neuroscience</td>
<td></td>
</tr>
</tbody>
</table>

Select 1 of the following advanced topic courses (Prerequisite: Jr or Sr standing)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 482</td>
<td>Theories and Methods of Integration</td>
<td></td>
</tr>
<tr>
<td>PSYC 483</td>
<td>Advanced Topics in Abnormal Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYC 484</td>
<td>Psychology of Religion</td>
<td></td>
</tr>
<tr>
<td>PSYC 485</td>
<td>Psychology of the Family</td>
<td></td>
</tr>
<tr>
<td>PSYC 486</td>
<td>History of Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYC 487</td>
<td>Men and Addictions</td>
<td></td>
</tr>
<tr>
<td>PSYC 488</td>
<td>Current Issues in School Psychology</td>
<td></td>
</tr>
</tbody>
</table>

Electives

Select 10 credits of psychology coursework (any with a PSYC designation but not a NEUR designation)

Total Credits: 36

Internship. Students are encouraged to take an internship (PSYC 496) to augment their classroom experience. Internships for four credit hours are regarded as the norm. Eight credit hour internships are also permitted; however, only four hours of internship credit may be counted toward the major credit hours requirement. Additional credits taken in internship will satisfy the College requirement for general upper-division electives.

Research. The Department of Psychology also encourages undergraduate students to pursue collaborative research (PSYC 497) in preparation for their graduate studies in the field of psychology.

Psychology Minor

Requirements
Requirements for a minor in Psychology are 20 hours. Any undergraduate psychology course offered by the department can be used to meet this requirement except PSYC 496 Internship or PSYC 499 Honors Thesis. Of the Neuroscience courses, only NEUR 241 Foundations of Neuroscience may count toward the minor.

Neuroscience Certificate Program

Coordinator, William M. Struthers

Neuroscience is the study of the brain and the nervous system structure and function. The Neuroscience certificate is housed in the School of Psychology, Counseling, and Family Therapy and is designed to introduce students to this field through interdisciplinary coursework and research. This program has a set of core courses and has a research emphasis. It also offers a variety of courses from several departments to complete the certificate hour requirements according to the student’s own interests. The certificate provides a strong undergraduate foundation for graduate training in neuroscience or psychobiology, as well as clinical psychology, psychiatry, pharmacology, or psychiatric-mental health nursing.

Requirements
Requirements for the Neuroscience Certificate are 24 credit hours:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>NEUR 241</td>
<td>Foundations of Neuroscience ¹</td>
<td></td>
</tr>
<tr>
<td>or BIOL 336</td>
<td>Neurobiology</td>
<td></td>
</tr>
<tr>
<td>NEUR 369</td>
<td>Neuroscience Collaborative Research</td>
<td></td>
</tr>
<tr>
<td>NEUR 494</td>
<td>Neuroscience Capstone</td>
<td></td>
</tr>
</tbody>
</table>

Electives
Select 16 credits of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHS 351</td>
<td>Human Anatomy</td>
<td></td>
</tr>
<tr>
<td>AHS 361</td>
<td>Integrative Human Physiology</td>
<td></td>
</tr>
<tr>
<td>AHS 452</td>
<td>Applied Physiology</td>
<td></td>
</tr>
<tr>
<td>BIOL 315</td>
<td>Special Topics in Biology for General Education (Neurobiology and Stress)</td>
<td></td>
</tr>
<tr>
<td>BIOL 322</td>
<td>Advanced Cellular and Developmental Biology</td>
<td></td>
</tr>
<tr>
<td>BIOL 331</td>
<td>Human Anatomy and Physiology I</td>
<td></td>
</tr>
<tr>
<td>BIOL 356</td>
<td>Genetics</td>
<td></td>
</tr>
<tr>
<td>CHEM 461</td>
<td>General Biochemistry</td>
<td></td>
</tr>
<tr>
<td>CHEM 462</td>
<td>Advanced Biochemistry</td>
<td></td>
</tr>
<tr>
<td>NEUR 385</td>
<td>Special Topics in Neuroscience</td>
<td></td>
</tr>
<tr>
<td>NEUR 386</td>
<td>Special Topics in Neuroscience</td>
<td></td>
</tr>
<tr>
<td>NEUR 495</td>
<td>Independent Study in Neuroscience</td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>PHIL 341</td>
<td>Nature Of Persons</td>
<td></td>
</tr>
<tr>
<td>PSYC 343</td>
<td>Sensation &amp; Perception</td>
<td></td>
</tr>
<tr>
<td>PSYC 345</td>
<td>Learning</td>
<td></td>
</tr>
<tr>
<td>PSYC 351</td>
<td>Cognition</td>
<td></td>
</tr>
<tr>
<td>PSYC 371</td>
<td>Intro to Psychopharmacology</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 24

1. Either NEUR 241 or BIOL 336 may be towards the Neuroscience Certificate. Students will not be permitted to use both courses towards the 24 hours required for the certificate.

2. Select 16 credits from the list of courses in at least 2 disciplines (and at least 8 credits from departments outside the student's major).
Science Area Programs

Natural science departments aim to provide the background and experience necessary for professional work in the natural sciences, for continuation of the study of natural science in graduate school, and to stimulate and interrelate scientific thinking with other disciplines. A belief in the God of the Bible as the Creator and Sustainer of the universe is a basic presupposition.

Courses of study are offered in applied health science, biology, chemistry, computer science, environmental science, geology, mathematics, and physics, with cooperative programs in engineering and nursing. Assistance is provided for all students to help them make appropriate educational plans and career choices. This aid is given by the student's faculty advisor, by department chairs, and by the Director of Health Professions, who provides advising and resource materials to students interested in various health professions.

Preparation for Health Professions


The Health Professions Program provides a comprehensive program of profession-driven opportunities and support services that prepare students for diverse fields in the health professions and for service in helping build the church and benefit society worldwide. The Health Professions Program aims to promote student development through excellence in acquainting students with the wide array of health professions careers, guiding their pre-professional formation and development, providing strategies and perspective to shape their pathway to the health profession of choice, and encouraging them in thinking holistically and with a Christ-centered worldview about how they may serve in the chosen health professions field.

Students planning on a career in medicine or one of the related health fields may major in any subject area but must meet the specific admission requirements of the professional schools to which they expect to apply. The Director of the Health Professions works closely with students who are interested in any of the health fields. Career information and advising are provided to help students in selecting courses, preparing for required admissions tests, and understanding the application process to professional schools in their chosen fields. These activities are coordinated through the Health Professions Office. Students can make use of the resources through one-on-one advising appointments, open office hours and various workshops. Additionally healthcare professionals visit campus to meet with students in interested in various career paths throughout the year.

Medicine and Dentistry

Specific training in medicine and dentistry is given in professional schools and is based on a broad and strong preparation in the liberal arts. This is true for optometry, podiatry and veterinary medicine as well. Critical analysis and reasoning skills, clear speaking, and writing are necessary skills in these professions. Experiences such as shadowing healthcare professionals, volunteer service, and research are important practices that help a student gain a greater understanding of healthcare and develop various relational and technical skills. Both interpersonal and intrapersonal attributes are valued. Personal attributes such as integrity, concern for the well-being of others, humility, professionalism, compassion, personal maturity, and a deep commitment to a life of service are highly sought by leaders in the health professions.

The new competency-based MCAT 2015 was first administered in April 2015. Some changes occurred in the DAT in 2015 as well. School-specific changes in medical school admissions requirements may align with courses required for the MCAT 2015. In addition to course pre-requisites, school-specific admissions requirements may include competencies (both academic and personal, interpersonal and intrapersonal) and foundational concepts in science and social and behavioral science. The four sections of MCAT 2015 are:

1. Chemical and Physical Foundations of Biological Systems,
2. Critical Analysis and Reasoning Skills,
3. Biological and Biochemical Foundations of Living Systems, and
4. Psychological, Social, and Biological Foundations of Behavior.

Therefore to prepare for MCAT 2015 students should take:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 241</td>
<td>Organization of Life: Genetics and Cell Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 242</td>
<td>Diversity of Life: An Introduction to Zoology and Botany</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 356</td>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 231</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 232</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 341</td>
<td>Organic Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 342</td>
<td>Organic Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 461</td>
<td>General Biochemistry</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 221</td>
<td>General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 222</td>
<td>General Physics II</td>
<td>4</td>
</tr>
</tbody>
</table>

The subjects of psychology, sociology and statistics are also covered on the exam. Students may discern whether or not they would benefit from formal study in these areas. If so, the appropriate courses would be:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 101</td>
<td>Introduction to Psychology</td>
<td>4</td>
</tr>
<tr>
<td>SOC 115</td>
<td>Introduction to Sociology</td>
<td>4</td>
</tr>
<tr>
<td>MATH 263</td>
<td>Introduction to Statistics</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 268</td>
<td>Statistics</td>
<td>4</td>
</tr>
<tr>
<td>AHS 281</td>
<td>Biostatistics</td>
<td>4</td>
</tr>
</tbody>
</table>

Regardless of the major selected at Wheaton, students planning on these careers must take courses to prepare for the national admissions exams and the pre-professional courses which meet the minimal entrance requirements for most medical and dental schools. Beyond the courses listed as preparation for MCAT 2015, school-specific admissions may require other courses such as:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 231</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 322</td>
<td>Advanced Cellular and Developmental Biology</td>
<td>4</td>
</tr>
</tbody>
</table>

Additional courses, such as the following, may be helpful toward the student's preparation for professional training:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 116</td>
<td>Introduction to Anthropology</td>
<td>4</td>
</tr>
<tr>
<td>ANTH 353</td>
<td>Biculturalism</td>
<td>4</td>
</tr>
<tr>
<td>ANTH 361</td>
<td>Medical Anthropology</td>
<td>2</td>
</tr>
<tr>
<td>BIOL 304</td>
<td>Bioethics</td>
<td>4</td>
</tr>
</tbody>
</table>
Advanced Cellular and Developmental Biology 4
BIOL 322  Advanced Cellular and Developmental Biology 4
BIOL 323  Introduction to Pharmacology 4
BIOL 324  Microbiology 4
BIOL 325  Immunology and Microbial Pathogenesis 4
BIOL 331  Human Anatomy and Physiology I 4
BIOL 332  Human Anatomy & Physiology II 4
BIOL 336  Neurobiology 4
BIOL 342  Introduction to Bioinformatics 2
BIOL 356  Genetics 4
COMM 221  Interpersonal Communication 4
COMM 362  Group Dynamics 2
AHS 351  Human Anatomy 4
AHS 361  Integrative Human Physiology 4
AHS 368  Concepts in Nutrition 4
AHS 378  Community Health and the Urban Environment 4
AHS 381  Concepts in Epidemiology 4
AHS 452  Applied Physiology 4
PHIL 241  Suffering 4
PHYS 311  Introduction to Medical Physics 2
PSYC 268  Statistics 4
PSYC 317  Developmental Psychology 4
PSYC 348  Abnormal Psychology 4
SOC 228  Sociology of Sexuality 2
SOC 238  Contemporary Social Concerns 2
SOC 364  Urban Sociology 4
SOC 383  Statistics 4

SCI 229 Internship/Seminar in the Health Professions is highly recommended and provides an opportunity for an approved observational/experience in a health profession, to study the issues affecting the quality and form of health care in America, and to make an informed choice of a vocation in the health professions.

Because competition for entry into medical schools is significant, strong performance in academic work and national and state examinations (MCAT) is essential. In 2018 there were 50,905 applicants nationwide. Of these applicants, about 40% attended medical school the following year. Applicants who matriculated in 2018 nationally had an average GPA of 3.7. For competency-based admissions, a holistic review of qualifications includes evaluation of their experiences, attributes, and academic credentials. Good planning and careful preparation by Wheaton students and a comprehensive advising and counseling program provided by the Health Professions Office combine to enhance the possibilities of acceptance into medical school.

Liberal Arts/Nursing
See Liberal Arts/Nursing (p. 157) in catalog.

Courses

Summer Courses at Science Stations
The Science Division offers students the opportunity to take courses at affiliated science stations during the summer. Information on Wheaton’s own Black Hills Science Station in South Dakota and information about the Au Sable Institute in Michigan can be found in the Special Programs (p. 253) section of this catalog.

Science Area Courses

SCI 211. Natural Systems of the Northwoods. (2 Credits)
An integrative science course centering on natural history and systems with an exploration of abiotic and biotic factors. Offered exclusively during the summer for education students only (preservice teachers) at HoneyRock. Su only.

SCI 229. Internship/Seminar in the Health Professions. (2 Credits)
Economic, political, sociological, psychological, and ethical problems facing health professionals and some biblical responses to these problems. Designed for students with a definite interest in one of the health professions, this course provides opportunity to observe the field first hand through a required shadowing internship, and to study the scope of health care in the U.S. Prerequisites: sophomore standing, registration with the Health Professions Program, one year of college biology or chemistry, consent of instructor. Does not apply toward the general education science requirement. (lin)

SCI 229 Internship/Seminar in the Health Professions is highly recommended and provides an opportunity for an approved observational/experience in a health profession, to study the issues affecting the quality and form of health care in America, and to make an informed choice of a vocation in the health professions.

Allied Health Professions
Students can receive basic preparation for many allied health careers such as nutrition and dietetics, health systems management, pharmacy, audiology, speech-language pathology, physical therapy, occupational therapy, health information management, physician assistant, and public health. Students generally pursue a major, receive a B.S. degree, and continue their studies in clinical or graduate programs. The Health Professions Office maintains catalogs and information concerning health careers, and is available for advice and counsel concerning course selection, types of programs, and the application process.
SCI 322. Elementary Grade Education Science Curriculum. (2 Credits)
Required for elementary education majors. Survey of elementary science curricula and resources; consideration of perspective, process, content, and application of science in teaching. Concurrent with EDUC 305L, 311, 311L, 312, 315, 317, SSCI 321 or consent of instructor. Prerequisites: ten hours of education courses and at least one science laboratory course.

SCI 325. Methods of Teaching Middle Grade Science. (2 Credits)
Required for those seeking an endorsement for teaching middle grade science. Includes theories and methods for teaching science at the middle grade level (grades 5-8). Topics include effective teaching strategies, planning, and assessment of science content, particularly with science processes and inquiry. Based on the Next Generation Science Standards and the Illinois Professional Teaching Standards. Prerequisites: Ten hours of education courses and ten hours of courses in teaching area major.

SCI 393. Interdisciplinary Studies in Science. (2 to 4 Credits)
Interdisciplinary study of topics in the natural sciences. Prerequisite: a CATC SP lab course.

SCI 494. Nursing Capstone. (2 Credits)
The capstone seminar will evaluate contemporary issues within nursing and healthcare with special attention to some biblical responses to these issues. This course provides opportunity to observe the field of nursing firsthand through a required shadowing internship, and to study the scope of healthcare in the U.S. Prerequisites: Junior standing, declared LA Nursing major, consent of instructor. (lin)
Sociology and Anthropology

The Department of Sociology and Anthropology wants students to understand themselves as embedded within and products of social and cultural contexts. Our students are trained to have the relational and analytic tools to operate effectively within the social complexity of our dynamic world and engage people cross-culturally, both in America and abroad. Students will become critical thinkers, addressing social problems and cultural analysis through theory, data, and practical solutions.

The general goal of the department is to develop a biblical foundation for understanding social interaction both within and across cultures. The Sociology faculty recognizes the need to communicate the gospel of Jesus Christ at several levels of social interaction. The micro level involves face-to-face communication, for example, in marriage and the family; the middle-range level reflects activities in organizations or social movements; and the macro level presents issues of culture and societal structures. At each level, social processes such as socialization, stratification, urbanization, and social disorganization are examined. The Anthropology faculty emphasizes both the particularities of varying cultural systems, as well as the universal characteristics of humans made in the image of God. Recognizing culture as a set of only partial solutions to human problems, Wheaton's Anthropology faculty also examine the ways the Gospel and culture can operate jointly to explain human adaptations in different societies. Similarly, anthropology's exploration of human universals is based on a distinctively Christian perspective, combining a biblical orientation with empirical precision.

Faculty
Chair, Associate Professor  Brian Miller
Professors  Henry Allen, Brian Howell
Associate Professors  Henry Kim, Amy Reynolds
Assistant Professors  Christa Tooley, Christine Jeske

Programs
- Sociology Major (p. 219)
- Sociology Minor (p. 220)
- Social Work Minor (p. 220)
- Family Studies Minor (p. 220)
- Social Action Minor (p. 220)
- Anthropology Major (p. 220)
- Anthropology Minor (p. 221)
- Gender Studies Certificate Program (p. 222)
- Mission Studies Certificate (p. 223)

Courses

SOC 116. Introduction to Sociology. (4 Credits)
An overview of the theory, methodology, and conceptualization of the discipline of sociology. Offers opportunity to develop an understanding of American society and the diversity within it.
Tags: DUS, SI

SOC 228. Sociology of Sexuality. (2 Credits)
This class will explore issues of identity as sexual individuals, the role of sexuality in our broader society, and the linkages between sexuality and violence. As sexuality affects both individuals and the larger society, this class aims to equip and challenge students in building a positive and God-honoring conception of sexuality in their own lives and their engagement in the world. Prerequisite (or requisite): Open to sophomores, juniors, and seniors.

SOC 238. Contemporary Social Concerns. (2 Credits)
An in-depth seminar focusing on major concerns of society, such as: problems of youth, the elderly, AIDS, homelessness, human rights, prison reform, and toxic waste.

SOC 241. Social Psychology. (4 Credits)
See PSYC 241.
Tags: SI

SOC 251. Culture, Media, and Society. (4 Credits)
Americans are surrounded by the culture and media: television, movies, music, stories and narratives, the Internet and Facebook, cultural norms and values, advertising and more vie for our attention each day. How are these social forms generated and sustained? How do we make sense of them from a sociological and Christian perspective? Students will learn and apply three analytic approaches to culture (repertoires, production, and narratives) as they consider how everyday interactions with culture and media affect Evangelical life. Note: This course does not fulfill the entire VPA theme and covers only the domain of visual arts.
Tags: SI, VPAV

SOC 321. Sociology of Economic Life. (4 Credits)
In an era of growing economic inequality, this course employs a sociological approach to ask questions about social construction of markets and the moral meanings within them. The goal of the course is to empower students in their roles as economic agents, as well as help them understand the broader structures in which they are engaged.

SOC 325. Violence in Minority Communities. (2 Credits)
Night after night in most urban communities, local news media reveal stories of horrific violence in urban areas. Some of these events are related to gang activities, drug trafficking, turf wars, guns and random shootings. Costs (human and financial) are staggering for authorities in law enforcement, the criminal justice system, the healthcare systems, prisons, as well as, families, communities, schools, and the nation. Many international studies regard the United States as the most violent nation on earth. Why do these conditions exist or persist? What can be done about them, from a Christian perspective? Where are churches relevant? These issues and questions will be addressed in this course from a variety of domains intersecting the sociological perspective and public health.

SOC 327. Violence Against Women. (2 Credits)
All over the world, violence is used to control or harm women and girls. In Criminology, issues related to domestic abuse, rape, sex trafficking, abduction, and sexual homicide are core to the social problems engulfing societies. In Sociology, violence against women involves the corruption and distortion of gender roles via socialization, discrimination, and power. This course analyzes the most rigorous research plus best practices in sociology and criminology (as well as related fields) in order to prevent violence against women in the church and society.
SOC 337. Racial and Ethnic Relations. (4 Credits)
Sociohistorical and cultural aspects of race and ethnicity in America. Through class discussion, films, and research about minority cultures, students explore and examine such sociological concepts as assimilation, conflict, and pluralism. Prerequisite: SOC 115 or SOC 116 and sophomore standing or above, or consent of the instructor.
Tags: DUS

SOC 341. Social & Political Movements. (4 Credits)
Social movements challenge political, economic, and social systems through collective action. We will discuss why social movements occur, how actors become involved, their relationship with the state, and the resources needed to sustain and grow such movements. Using a case study approach, students examine particular social actors and differing views of justice, while being encouraged to further develop their own conception of biblical justice in society.

SOC 347. Gender & Society. (4 Credits)
What does it mean to be male or female? Why do we have these categories? How does gender matter in society? In this class, we focus on unpacking the concept of gender, and investigate the role of social institutions in constructing gender roles and contributing to gender inequalities. There is also an emphasis understanding how issues of gender intersect with those of class, race, and culture.

SOC 355. Social Class & Inequality. (4 Credits)
An examination of the theories and explanations of the origins and perpetuation of social inequality, class, and stratification. Consideration of both classical and modern perspectives, as well as explanations of the relationship among stratification, status, occupation, and mobility; descriptions of various class characteristics and an examination of selected relationships between class and other areas of social participation.

SOC 356. The Family. (4 Credits)
A sociological approach to the practices that exist within families, the relationships between family members, and the social influences that shape the decisions of families. This course will challenge students to think about how religious institutions and politics can strengthen families and individuals within them.

SOC 359. American Suburbanization. (4 Credits)
This course examines how and why American suburbs became the home of a majority of Americans and important centers for economic and cultural life. Emphasis will be placed on understanding and researching nearby suburbs (Wheaton and surrounding communities) and how Christians might respond to suburbia.

SOC 364. Urban Sociology. (4 Credits)
Growth and patterning of city life; social relations and social institutions in the city; examination of urban problems and proposed solutions. Prerequisite: SOC 115 or 116 or consent of the instructor.

SOC 366. Sociology Of Religion. (4 Credits)
Religion as a social phenomenon and its functions for the individual and society. Focus upon religious socialization, measurement of religious behavior, and variety of religious roles; includes organizational forms and relationships to other social institutions. Prerequisite: SOC 115 or 116 or consent of the instructor.

SOC 367. Crime & Delinquency. (4 Credits)
The incidence, nature, and development of crime and delinquency in America; methods of control, treatment, and prevention, including current research and innovations in approaching juvenile and adult offenders. Prerequisite: SOC 115 or 116 or consent of the instructor.

SOC 371. Asians in America. (4 Credits)
This course is designed to help students understand the diversity and histories of "Asian" Americans with a focus on the post-1965 waves. In addition to understanding Asian Americans from sociological and historical categories, we will also examine religion in the Asian American experiences.

SOC 373. Sociology of Education. (4 Credits)
Examines the social role of education in postindustrial societies. Different types of schools and their effects on academic achievement are examined, and students are encouraged to participate in the growth and development of schools where possible. Christian perspectives on education, learning, and schools are emphasized. Prerequisite: SOC 115 or 116 or consent of the instructor.

SOC 376. Sociological Theory. (4 Credits)
A survey of social thought of classical theorists, such as Weber, Durkheim, and Marx, as well as an overview of contemporary social theory. Addresses the various theoretical perspectives, as well as the current lack of consensus in social theory.

SOC 383. Statistics. (4 Credits)
An introduction to statistics common in social research. Topics include descriptive and inferential statistics, hypothesis testing, significance, correlation, analysis of variance, and multiple regression. Emphasis is on application and effectively using a common statistical program (SPSS).
Tags: AAQR

SOC 385. Social Change. (4 Credits)
What forces contribute to social change? In this class, we examine some of the changes that have occurred and are occurring throughout the world that impact the ability of people to live lives of human flourishing. We will explore some of the socio-historical contexts related to social change, such as political forces, economic markets, technological innovation, and demographic and population changes. Students will have an opportunity to focus on contemporary issues related to social change in a specific country of interest. Students will also reflect on a number of different Christian theological documents on globalization, and develop their own faith perspective on what it means to follow Christ in a globalized world.
Tags: GP SI

SOC 399. Social Network Analysis: Theory and Methods. (4 Credits)
Social network analysis is at the core of sociology in the 21st century, with international implications in education, law enforcement, and many other fields. A vast arena of research possibilities currently exists for using social networks to study churches, denominations, parachurch ministries, academic institutions and communities of all kinds. This course examines the history, components, and applications of social network analysis. Using Mathematica, students will complete supervised research projects using methods in social network analysis.

SOC 412. Advanced Topics in Sociology. (2 Credits)
This course is aimed at students capable of or interested in graduate level study. There will be a specific theme for each semester of the course, and these will not be repeated two years in a row. Some possible examples include advanced methodology, gender and international development, and immigration and policy.
ANTH 116. Introduction to Anthropology. (4 Credits)
This course is an introduction to the discipline of anthropology, with particular focus on the methods, theory and conceptual framework of cultural anthropology. All topics will be addressed in anthropological literature including developing a research question, writing a literature review, and explaining the use of data and methods. Corequisites or Prerequisites: SOC 115, 116; SOC 376, 383, or consent of the instructor.

ANTH 319. Colonialism and Redemption: Native American Culture and Theology from 1492 to Wounded Knee. (2 Credits)
An interdisciplinary course designed to explore the Native American experience through the lens of historical anthropology and theology. The course explores the experience and perspectives of the Native inhabitants of "Turtle Island" from the beginning of the colonial era up to the present day. The course also examines the role of Scripture, theology, and the Church during the time of European expansion across North America and the current relationship between First Nations peoples and Christianity, including developments in Native Christian theology. Meetings with Native Americans are part of the course. The themes of "colonialism" and "redemption" will bind together this theological, anthropological, and personal exploration.

ANTH 324. Anthropology of Global Christianity. (2 Credits)
This course explores the diverse manifestations of Christianity around the globe. Using anthropological theory and method, particular attention will be paid to the non-Western church, exploring the relationship between the Gospel and culture around the world.

ANTH 331. Cultural Immersion Experience. (0 Credits)
A department approved cultural immersion experience.

ANTH 341. Consumption and Material Culture. (2 Credits)
This class integrates the relationships between people and the things they consume. In particular, it is interested in the ways in which identities and relationships are generated through the processes and events of consumption. Case studies will be drawn from multiple national and international contexts and will highlight the embeddedness of these processes within the larger social and cultural systems.

ANTH 342. Food, Farms, and Culture. (4 Credits)
This course explores the diverse manifestations of Christianity around the globe. Using anthropological theory and method, particular attention will be paid to the non-Western church, exploring the relationship between the Gospel and culture around the world.

Anthropology Courses

SOC 414. Advanced Topics in Sociology. (4 Credits)
This course is aimed at students capable of or interested in graduate level study. There will be a specific theme for each semester of the course, and these will not be repeated two years in a row. Some possible examples include mathematical sociology, advanced methodology, historical and comparative sociology, economic and organizational sociology, and social network analysis. Prerequisite: SOC 376 or SOC 383 or permission of instructor.

SOC 482. Social Research. (4 Credits)
Introduces students to techniques and methods for scientific research in the social sciences including surveys, experiments, field research, coding, and more. A cumulative project follows the steps of producing social science research including developing a research question, writing a literature review, and explaining the use of data and methods. Corequisites or Prerequisites: SOC 115, 116; SOC 376, 383, or consent of the instructor.

SOC 492. Thesis Research. (4 Credits)
Students will work closely with the faculty advisor to collect and analyze data, write a senior thesis paper, and present their research in a public setting. They will also work with other students to workshop papers. Required for the sociology major. Prerequisite: SOC 494

SOC 494. Senior Capstone. (4 Credits)
A capstone seminar focusing on the integration of sociology and Christianity. Examination of the philosophies, literature, and research of selected problem areas in the discipline. Recommended for seniors. Prerequisites: SOC 115 or 116; SOC 376 or consent of the instructor.

SOC 495. Independent Study. (1 to 4 Credits)
Guided reading and research for the advanced major or research internship in ongoing institutional or faculty research. Formal student proposal required.

SOC 496. Internship in Sociology. (4 or 8 Credits)
Credit given in connection with internship assignment in social research, criminal justice, law, urban ministries, urban planning, or social policy. Offered as a block placement for an entire semester on or off campus (in the Chicago area). Sociology majors may apply eight hours of internship credit toward one sociology elective course. See department for details, including course prerequisites.

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This course is an introduction to the discipline of anthropology, with particular focus on the methods, theory and conceptual framework of cultural anthropology. All topics will be addressed in anthropological and Christian terms, including such issues as race, gender, language, globalization, and marriage. First Year and Sophomore students only, except by consent of instructor.

Tags: GP, SI

ANTH 282. Culture, Travel and Tourism. (2 Credits)
Tourism and other forms of international travel have become important sites of anthropological inquiry as increasing numbers of people have their most significant cross-cultural experiences through the travel industry, either as participants or providers. This course will explore the anthropological literature around these phenomena, with a focus on the consequences of such travel for the construction of culture and cultural differences.

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ANTH 364. Linguistic Anthropology. (2 Credits)
This course will address language from an anthropological perspective. This will include technical linguistic theory (phonetics/phonemics), but whereas much of that is covered in linguistics courses, this course will spend far more time on socio-linguistics and language ideology, particularly in the colonial and post-colonial context of the non-Western world. Students will be able to identify and apply the major historic and contemporary anthropological theories of language.

ANTH 376. Culture Theory. (4 Credits)
The culture concept has gone through numerous transformations since it was first introduced into anthropology in the nineteenth century, and this course briefly surveys historical theories in anthropology, but highlights structuralist, poststructuralist, postmodernist, Marxist, feminist, postcolonial, and transaction theories.

ANTH 381. Politics of Veiling in the Modern Middle East. (2 Credits)
This course approaches the diversity of life in the modern Middle East through the practices of veiling. Rather than a singular model or symbol, the veil emerges as a material object invested with various meanings through the complex intertwining of political, religious, and social life in societies from North Africa to Central Asia, and increasingly, the rest of the world.

ANTH 383. Cities in the Global South. (2 Credits)
Cities in the global south today face a variety of challenges, requiring careful negotiation through policy and everyday practice. This course introduces students to the particular issues which colonial histories and peripheral participation in global markets have produced in some key cities of the global south. Strategies and innovations for future development are presented as possibilities for local agency and transformation.

ANTH 385. Field Research Methods. (4 Credits)
A practical preparation of HNGR Program interns for participatory research and cross-cultural living and service. Emphasis in research is on design and implementation of qualitative and quantitative research methods in actual field settings, including roles, rapport, ethics, cultural adaptations, field notes, and write-up. Emphasis in orientation is on cross-cultural adjustment, including approaches, responses, psychological adaptation, relationship-building, communication, health, and Christian witness. Open to outgoing HNGR interns only. Course fee.

ANTH 393. Placemaking in Urban Contexts. (2 Credits)
Explores the processes by which particular configurations of history, identity and landscape are transformed into identifiable and meaningful places in the construction and development of cities. Case studies will be drawn from multiple cities around the world, including Scotland, China, and Africa and will examine the use of local and global narratives, images, and logics, highlighting the socially contested and constructed nature of this process.

ANTH 431. Culture, Economy, and Morality. (4 Credits)
This course explores the diverse ways people answer moral questions about money and economics. The course focuses on how culture shapes our interpretations of the economic choices we deem right and wrong. By considering case studies of economic moralities in diverse cultural contexts, students will develop more nuanced understandings of Biblical perspectives on economic topics including generosity, consumption, work, capitalism, and inequality.

Tags: GP, SI

ANTH 432. Violence and Peace in Latin America. (4 Credits)
This course draws on anthropological and social scientific research to examine how diverse organizational and social actors work to confront violence and strengthen peace in Latin America. Students will learn about the history of state, political and criminal violence in the late 20th and early 21st centuries, and students will be introduced to the efforts of international justice and human rights activists and civil society and religious organizations to build more just, peaceful, and inclusive societies in Latin America.

ANTH 435. Power and Gender in Southeast Asia. (4 Credits)
This course will focus on power and gender as key topics in the anthropology and historiography of Southeast Asia. We will explore how these ideas intersect with other anthropological and historical themes such as race, colonialism, nationalism, urbanization, and economic development.

Tags: GP, HP

ANTH 478. Anthropology Through Film. (2 Credits)
The medium of film can provide a window into the heart of a society, giving the viewer a chance to see inside the culture and minds of a people. This course will use commercial (“Hollywood”) films as opportunities to explore themes and theories in anthropology, in order to gain insight into anthropological concepts and the society(ies) or subcultures from which the films originate.

ANTH 481. Anthropological Writing: Writing in History and the Social Sciences. (2 Credits)
This is a course for students who want to write for scholarly and general audiences. It is an opportunity to strengthen writing skills and analytical techniques. In this intensive writing course, advanced anthropology (and related disciplines) students will get a hands-on experience of gathering and/or using original data (ethnographic, archival, statistical, geo-spatial, etc.), transforming it into evidence (by analyzing it using relevant theoretical methods) and then writing a compelling analytical argument that connects the research findings to important social scientific questions. The course is particularly relevant for those who have previously collected data (such as HNGR or other study abroad students) they are prepared to use in a substantial writing project.

ANTH 482. Ethnographic Theory and Method. (4 Credits)
This course analyzes anthropological research and writing on fieldwork, while cultivating students’ skills in the practice of ethnography. The production of knowledge, problems of evidence, experience and ethics, as well as issues of power and representation are discussed. Students frame and address theoretical problems through the development of an ethnographic research project, and through the processes of peer review, they refine this project throughout the semester, culminating in an original piece of anthropological research.

ANTH 494. Senior Capstone. (4 Credits)
A capstone seminar which evaluates contemporary issues within anthropology to address the relationship between Christianity and anthropological epistemologies, theories, and methods.

ANTH 495. Independent Study. (1 to 4 Credits)
Guided reading and research for the advanced students, or research internship in ongoing institutional or faculty research. Prerequisite: Permission of department chair.
ANTH 496. Internship in Anthropology. (4 or 8 Credits)
Credit given in connection with an internship assignment in medical anthropology, missions, HNGR, cross-cultural settings which involve education, development, business, or family life with participation of a faculty anthropologist. Majors may apply eight hours of internship credit toward one anthropology elective course. See department for details, including course prerequisites.

Social Welfare Courses
SWEL 331. Introduction to Social Welfare. (2 Credits)
Examination and critique of the social welfare institution in America; its history, value orientation, issues past and present, and the agencies through which social welfare is administered. Christian perspective, agency visits, and field trip.

SWEL 332. Human Services Practice. (2 Credits)
Development of self-awareness for the human services professional. Introduction to methods used in social work practice, interviewing, assessment, and treatment planning. Professional social workers as guest speakers.

SWEL 496. Social Work Internship. (4 or 8 Credits)
A field experience providing opportunities for observation and participation in selected welfare agencies. Knowledge of community resources; skill and technique development; theory-in-practice experience. Offered as a block placement for an entire semester. Placements are made in the Chicago area. Sociology majors may apply eight hours of internship credit toward one sociology elective course. Prerequisites: SWEL 331, 332. See department for details.

Gender Courses
GEND 494. Gender Studies Capstone. (2 Credits)
This course pulls together students’ exploration of gender through the perspectives of theology, the social sciences, and humanities. The Gender Studies Capstone course promotes the mission statement of the Sociology/Anthropology department: to develop a biblical foundation for understanding social interaction both within American society and across cultures. Prerequisites: SOC 347 and BITH 383.

GEND 495. Gender Studies Independent Study. (2 Credits)
Guided reading and research for the advanced major or research internship in ongoing institutional or faculty research.

Sociology Major
The Sociology major introduces the student to classic and contemporary literature in the study of social interaction and provides a basis for a wide range of career options. Quantitative and qualitative research methods are used for analysis and provide foundation for graduate and professional training in sociology, social work, organizational management, and allied fields. Opportunities are given to practice critical thinking, oral and written communication skills, and applied experiences. Internships in the metropolitan Chicago area are strongly encouraged. An additional focus of the department is the development of biblical advocacy in the promotion of social justice and equity.

Requirements
Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for a major in Sociology are at least 40 hours including:

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<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SOC 115</td>
<td>Introduction to Sociology</td>
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<td>SOC 116</td>
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<td>SOC 376</td>
<td>Sociological Theory</td>
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<td>SOC 494</td>
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Required Core Electives
Select two of the following for at least 8 credits:

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<tbody>
<tr>
<td>SOC 337</td>
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<td>Gender &amp; Society</td>
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<tr>
<td>SOC 355</td>
<td>Social Class &amp; Inequality</td>
</tr>
</tbody>
</table>

Electives

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 228</td>
<td>Sociology of Sexuality</td>
</tr>
<tr>
<td>SOC 238</td>
<td>Contemporary Social Concerns</td>
</tr>
<tr>
<td>SOC 241</td>
<td>Social Psychology</td>
</tr>
<tr>
<td>SOC 251</td>
<td>Culture, Media, and Society</td>
</tr>
<tr>
<td>SOC 321</td>
<td>Sociology of Economic Life</td>
</tr>
<tr>
<td>SOC 325</td>
<td>Violence in Minority Communities</td>
</tr>
<tr>
<td>SOC 327</td>
<td>Violence Against Women</td>
</tr>
<tr>
<td>SOC 341</td>
<td>Social &amp; Political Movements</td>
</tr>
<tr>
<td>SOC 356</td>
<td>The Family</td>
</tr>
<tr>
<td>SOC 359</td>
<td>American Suburbanization</td>
</tr>
<tr>
<td>SOC 364</td>
<td>Urban Sociology</td>
</tr>
<tr>
<td>SOC 366</td>
<td>Sociology Of Religion</td>
</tr>
<tr>
<td>SOC 367</td>
<td>Crime &amp; Delinquency</td>
</tr>
<tr>
<td>SOC 371</td>
<td>Asians in America</td>
</tr>
<tr>
<td>SOC 373</td>
<td>Sociology of Education</td>
</tr>
<tr>
<td>SOC 385</td>
<td>Social Change</td>
</tr>
<tr>
<td>SOC 399</td>
<td>Social Network Analysis: Theory and Methods</td>
</tr>
<tr>
<td>SOC 496</td>
<td>Internship in Sociology (if 8 credits, 1/2 counts toward major)</td>
</tr>
</tbody>
</table>

Social Work Emphasis

4 credits required courses, 4-8 credit internship, don’t need to take required core electives

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWEL 331</td>
<td>Introduction to Social Welfare</td>
</tr>
<tr>
<td>SWEL 332</td>
<td>Human Services Practice</td>
</tr>
<tr>
<td>SWEL 496</td>
<td>Social Work Internship</td>
</tr>
</tbody>
</table>

Total Credits 40

In addition to these electives, the Sociology program occasionally offers experimental courses, which are listed in the course schedule.

All Sociology courses taken at the 200, 300, and 400 level that do not fulfill the Foundations, and Core Electives requirements will count toward meeting the 8 required hours of Electives.
Sociology Minor

Requirements

Requirements for a minor in Sociology are 20 hours of sociology course credit including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minor Requirements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOC 115</td>
<td>Introduction to Sociology</td>
<td>4</td>
</tr>
<tr>
<td>or SOC 116</td>
<td>Introduction to Sociology</td>
<td></td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOC 376</td>
<td>Sociological Theory</td>
<td>4</td>
</tr>
<tr>
<td>SOC 383</td>
<td>Statistics</td>
<td></td>
</tr>
<tr>
<td>SOC 482</td>
<td>Social Research</td>
<td></td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOC 337</td>
<td>Racial and Ethnic Relations</td>
<td>4</td>
</tr>
<tr>
<td>SOC 347</td>
<td>Gender &amp; Society</td>
<td></td>
</tr>
<tr>
<td>SOC 355</td>
<td>Social Class &amp; Inequality</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select 8 credits</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>20</td>
</tr>
</tbody>
</table>

Social Work Minor

This minor is designed for persons interested in a career in social welfare.

Requirements

Requirements for a minor in Social Work are 20 hours, including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minor Requirements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SWEL 331</td>
<td>Introduction to Social Welfare</td>
<td>2</td>
</tr>
<tr>
<td>SWEL 332</td>
<td>Human Services Practice</td>
<td>2</td>
</tr>
<tr>
<td>SWEL 496</td>
<td>Social Work Internship</td>
<td>4</td>
</tr>
<tr>
<td>Select 12 credits of the following:</td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>SOC 228</td>
<td>Sociology of Sexuality</td>
<td></td>
</tr>
<tr>
<td>SOC 238</td>
<td>Contemporary Social Concerns</td>
<td></td>
</tr>
<tr>
<td>SOC 325</td>
<td>Violence in Minority Communities</td>
<td></td>
</tr>
<tr>
<td>SOC 327</td>
<td>Violence Against Women</td>
<td></td>
</tr>
<tr>
<td>SOC 337</td>
<td>Racial and Ethnic Relations</td>
<td></td>
</tr>
<tr>
<td>SOC 347</td>
<td>Gender &amp; Society</td>
<td></td>
</tr>
<tr>
<td>SOC 356</td>
<td>The Family</td>
<td></td>
</tr>
<tr>
<td>SOC 367</td>
<td>Crime &amp; Delinquency</td>
<td></td>
</tr>
<tr>
<td>PSYC 317</td>
<td>Developmental Psychology</td>
<td></td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>20</td>
</tr>
</tbody>
</table>

Social Action Minor

Requirements

Requirements for a minor in Social Action are 20 hours with at least 12 hours of sociology credit, including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minor Requirements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select 8-12 credits of the following:</td>
<td></td>
<td>8-12</td>
</tr>
<tr>
<td>SOC 341</td>
<td>Social &amp; Political Movements</td>
<td></td>
</tr>
<tr>
<td>SOC 355</td>
<td>Social Class &amp; Inequality</td>
<td></td>
</tr>
<tr>
<td>SOC 482</td>
<td>Social Research</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select 8-12 credits of the following:</td>
<td></td>
<td>8-12</td>
</tr>
<tr>
<td>SOC 238</td>
<td>Contemporary Social Concerns</td>
<td></td>
</tr>
<tr>
<td>SOC 337</td>
<td>Racial and Ethnic Relations</td>
<td></td>
</tr>
<tr>
<td>SOC 364</td>
<td>Urban Sociology</td>
<td></td>
</tr>
<tr>
<td>SOC 366</td>
<td>Sociology Of Religion</td>
<td></td>
</tr>
<tr>
<td>SOC 367</td>
<td>Crime &amp; Delinquency</td>
<td></td>
</tr>
<tr>
<td>PSCI 385</td>
<td>Urban Politics</td>
<td></td>
</tr>
<tr>
<td>COMM 363</td>
<td>Persuasion</td>
<td></td>
</tr>
<tr>
<td>1 SOC 482 Social Research required if the student does not have a methods course in their major.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Anthropology Major

The Anthropology major introduces students to insights into human behavior from a comparative, cross-cultural perspective. As an intrinsically cross-cultural form of inquiry, anthropology offers its own, inherent benefits that students acquire as they encounter ways of thinking and behaving that may be unfamiliar to them. Opportunities for cross-cultural ministry, for careers in business and as consultants, and for Christian citizenship in the world of the twenty-first century can be enhanced greatly for students completing an anthropology major.
In the event that required major courses are unavailable due to faculty or curricular changes, the anthropology department will work with students on a case-by-case basis to find substitutionary courses.

Requirements
Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for a major in Anthropology are at least 36 hours including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 116</td>
<td>Introduction to Anthropology</td>
<td>4</td>
</tr>
<tr>
<td>ANTH 376</td>
<td>Culture Theory</td>
<td>4</td>
</tr>
<tr>
<td>ANTH 482</td>
<td>Ethnographic Theory and Method</td>
<td>4</td>
</tr>
<tr>
<td>SOC 383</td>
<td>Statistics</td>
<td>4</td>
</tr>
<tr>
<td>ANTH 494</td>
<td>Senior Capstone</td>
<td>4</td>
</tr>
</tbody>
</table>

Anthropology Electives
Select 16 credits of the following: ¹

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 282</td>
<td>Culture, Travel and Tourism</td>
<td>4</td>
</tr>
<tr>
<td>ANTH/BITH 319</td>
<td>Colonialism and Redemption: Native American from 1492 to Wounded Knee</td>
<td>4</td>
</tr>
<tr>
<td>ANTH 324</td>
<td>Anthropology of Global Christianity</td>
<td>4</td>
</tr>
<tr>
<td>ANTH 341</td>
<td>Consumption and Material Culture</td>
<td>4</td>
</tr>
<tr>
<td>ANTH 342</td>
<td>Food, Farms, and Culture</td>
<td>4</td>
</tr>
<tr>
<td>ANTH 353</td>
<td>Biculturalism</td>
<td>4</td>
</tr>
<tr>
<td>ANTH 354</td>
<td>Culture in the Contemporary World</td>
<td>4</td>
</tr>
<tr>
<td>ANTH 361</td>
<td>Medical Anthropology</td>
<td>4</td>
</tr>
<tr>
<td>ANTH 364</td>
<td>Linguistic Anthropology</td>
<td>4</td>
</tr>
<tr>
<td>ANTH 381</td>
<td>Politics of Veiling in the Modern Middle East</td>
<td>4</td>
</tr>
<tr>
<td>ANTH/URBN 383</td>
<td>Cities in the Global South</td>
<td>4</td>
</tr>
<tr>
<td>ANTH/HNGR 385</td>
<td>Field Research Methods</td>
<td>4</td>
</tr>
<tr>
<td>ANTH/URBN 393</td>
<td>Placemaking in Urban Contexts</td>
<td>4</td>
</tr>
<tr>
<td>ANTH 431</td>
<td>Culture, Economy, and Morality</td>
<td>4</td>
</tr>
<tr>
<td>ANTH 435</td>
<td>Power and Gender in Southeast Asia</td>
<td>4</td>
</tr>
<tr>
<td>ANTH 478</td>
<td>Anthropology Through Film</td>
<td>4</td>
</tr>
<tr>
<td>ANTH 481</td>
<td>Anthropological Writing: Writing in History and the Social Sciences</td>
<td>4</td>
</tr>
<tr>
<td>ANTH 495</td>
<td>Independent Study</td>
<td>4</td>
</tr>
<tr>
<td>ANTH 496</td>
<td>Internship in Anthropology</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Credits: 56

¹ Select 16 credits in Anthropology, at least 4 of which must be at the 400 level. Students may take up to four (4) credits of SOC, at the 300 level or higher towards their Anthropology elective total. In addition to the courses listed above, the Anthropology department frequently offers experimental courses, which are listed in the course schedule. In addition to the 36 credits in the department, students completing an anthropology major must include:

Archaeology
As one of the traditional four subfields of anthropology, majors should have some exposure to archaeological theory or method. To meet this requirement students may take 4 credits from the following ARCH courses at Wheaton College:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH 211</td>
<td>Old Testament Archaeology</td>
<td>4</td>
</tr>
<tr>
<td>ARCH 213</td>
<td>New Testament Archaeology</td>
<td>4</td>
</tr>
<tr>
<td>ARCH 317</td>
<td>Studies in Biblical Lands</td>
<td>4</td>
</tr>
<tr>
<td>ARCH 325</td>
<td>Archaeological Field Work</td>
<td>4</td>
</tr>
<tr>
<td>ARCH 326</td>
<td>Archaeological Field Work: Tel Shimron, Israel</td>
<td>4</td>
</tr>
<tr>
<td>ARCH 345</td>
<td>Archaeology of the Classical World</td>
<td>2</td>
</tr>
<tr>
<td>ARCH 366</td>
<td>Archaeology of Biblical Lands</td>
<td>4</td>
</tr>
<tr>
<td>ARCH 411</td>
<td>Advanced Archaeological Study</td>
<td>4</td>
</tr>
<tr>
<td>ARCH 412</td>
<td>Advanced Archaeological Study</td>
<td>2</td>
</tr>
</tbody>
</table>

This requirement may also be satisfied by transfer credit upon departmental approval.

Human Origins/Evolutionary Theory
Human origins is a significant area of physical anthropology and a topic with which a Wheaton anthropology major should have some exposure/familiarity. Toward that end anthropology majors need to take one course covering some aspect of origins and/or evolutionary theory to complete the major. Students may take one of the following courses to fulfill that requirement:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCI 311</td>
<td>Theories of Origins</td>
<td>4</td>
</tr>
<tr>
<td>SCI 301</td>
<td>Natural Science: Foundations, Methods, Challenges</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 243</td>
<td>Processes of Life: Ecology and Evolution</td>
<td>4</td>
</tr>
</tbody>
</table>

Students seeking to satisfy this requirement through other courses or transfer credit should seek departmental approval. (2 or 4 credits)

Study Abroad/Cultural Immersion Experience
As part of the anthropology major requirements, students will be required to satisfy a field experience requirement involving immersion in an unfamiliar cultural context and/or significant use of anthropological methods and knowledge in a new social/cultural context. Students may use Wheaton (e.g., HNGR, Wheaton-in-Chicago) or non-Wheaton programs to satisfy the requirement, but all programs must be pre-approved by the department to be considered as meeting the requirement. A maximum of 8 credits earned through such an experience may be applied towards the major elective requirements. Core requirements (with the exception of ANTH 116) may not be satisfied through the study abroad credit. Summer study travel programs typically will not satisfy this requirement for cultural immersion.

Anthropology Minor
Requirements
A minor in Anthropology is granted to students completing 20 credits in ANTH, including:
Gender Studies Certificate Program

The certificate in gender studies is an interdisciplinary program designed to help students investigate national and international questions related to gender. One of the primary goals of the program is to strengthen critical thinking skills through the study of global sociopolitical gender concerns, biblical and historical approaches to femininity and masculinity, relationships between men and women, and the complex cultural processes involved in gender construction. The interdisciplinary focus of the program prepares students to become proactive participants in the world by exposing them to economic, political, and cultural realities at home and around the world. Responsible Christian inquiry coupled with increasing cultural sensitivity can help create effective ambassadors for Christ in our rapidly changing world.

The program’s academic home is the Department of Sociology and Anthropology, providing a foundational understanding of sociocultural factors related to gender. The program assumes that solid Christian inquiry is foundational to productive scholarship and problem solving regarding issues that face our world today. As such, we strive to provide students with resources from our Christian heritage that will equip them for local and global leadership in all areas that pertain to human diversity.

Students from any major are eligible for the 24-hour gender studies certificate. Students will complete a ten-hour core of courses that investigate sociological and theological approaches to gender issues, and end their study with a capstone course designed to integrate approaches from several key disciplines. In addition, students will select 14 hours of classes from a variety of offerings from different departments. These classes will be distributed among three main areas:

- theology and theory
- social and historical context
- cultural considerations of everyday life

**Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minor Requirements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANTH 116</td>
<td>Introduction to Anthropology</td>
<td>4</td>
</tr>
<tr>
<td>ANTH 376</td>
<td>Culture Theory</td>
<td>4</td>
</tr>
<tr>
<td>or ANTH 482 Ethnographic Theory and Method</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select 12 credits, at least 4 at the 400 level</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Total Credits</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEND 494</td>
<td>Gender Studies Capstone</td>
<td></td>
</tr>
<tr>
<td>GEND 495</td>
<td>Gender Studies Independent Study</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soc 347</td>
<td>Gender &amp; Society</td>
<td>14</td>
</tr>
<tr>
<td>Theology and Theory</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select 4-6 credits of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BITH 332</td>
<td>Ruth &amp; Esther</td>
<td></td>
</tr>
<tr>
<td>BITH 354</td>
<td>Women in the World of the NT</td>
<td></td>
</tr>
<tr>
<td>BITH 373</td>
<td>Marriage, Sex and Family in the Christian Tradition</td>
<td></td>
</tr>
<tr>
<td>ENGL 434</td>
<td>Modern Literary Theory</td>
<td></td>
</tr>
<tr>
<td>PHIL 347</td>
<td>Topics in Philosophy</td>
<td></td>
</tr>
<tr>
<td>PSYC 431</td>
<td>Psychology of Human Sexuality</td>
<td></td>
</tr>
<tr>
<td>Social, Historical, &amp; Global Context</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select 4-6 credits of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BITH 381</td>
<td>Politics of Veiling in the Modern Middle East</td>
<td></td>
</tr>
<tr>
<td>ANTH 435</td>
<td>Power and Gender in Southeast Asia</td>
<td></td>
</tr>
<tr>
<td>HIST 346</td>
<td>Renaissance Europe (1300-1600)</td>
<td></td>
</tr>
<tr>
<td>HIST 355</td>
<td>History of Women in the U.S.</td>
<td></td>
</tr>
<tr>
<td>PSCI 237</td>
<td>Women and Politics</td>
<td></td>
</tr>
<tr>
<td>SOC 228</td>
<td>Sociology of Sexuality</td>
<td></td>
</tr>
<tr>
<td>SOC 356</td>
<td>The Family</td>
<td></td>
</tr>
<tr>
<td>Gender in Life and Culture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select 4-6 credits of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ART 319</td>
<td>Documentary Photography</td>
<td></td>
</tr>
<tr>
<td>ART 329</td>
<td>Community Art</td>
<td></td>
</tr>
<tr>
<td>BIOL 318</td>
<td>Global Health</td>
<td></td>
</tr>
<tr>
<td>COMM 221</td>
<td>Interpersonal Communication</td>
<td></td>
</tr>
<tr>
<td>COMM 476</td>
<td>Theater and Culture</td>
<td></td>
</tr>
<tr>
<td>ENGL 326</td>
<td>Children’s Literature</td>
<td></td>
</tr>
<tr>
<td>ENGL 328</td>
<td>Young Adult Literature</td>
<td></td>
</tr>
<tr>
<td>ENGL 379</td>
<td>African-American Literature</td>
<td></td>
</tr>
<tr>
<td>ENGL 375</td>
<td>Women Writers</td>
<td></td>
</tr>
</tbody>
</table>

| Total Credits                                | 36-42 |

1 Students select 14 credits of courses from each of the areas listed. At least three different disciplines need to be represented in courses selected.

Flexible Course Additions (2-4 hours). On a case-by-case basis, the Gender Studies Certificate can include courses and independent study work in which students participate in a class with gender-related topics and/or pursue work directly related to the issues addressed in the Gender Studies program. This can occur in one of two ways.

- Special Topics Courses that are offered on an occasional basis and address gender-related topics may be petitioned for acceptance as partial fulfillment of the Course Content Units in either the Social, Historical, and Global Context or Gender in Life and Culture. Examples include, but are not limited to, COMM 424 Special Topics in Interpersonal Communication or certain gender-related Advanced Topics in Psychology (PSYC 482 - 488).

- With permission of the professor and Gender Studies program, students could take a course in which they pursue gender issues as a significant part of the course. An example is BITH 393 Topics in Christian Thought in which a student would focus on gender as an aspect of personhood.
Mission Studies Certificate

The category of "mission" is changing rapidly. From the tens of thousands of church workers going out from countries in the global south, to the growth of so-called short term missions, while the call of the Great Commission has not changed, the ways people engage it has. It has never been more important for the church to be able to understand the changing work of Christian mission in the world.

The Certificate in Mission Studies is a research focused, interdisciplinary program designed to produce the next generation of missiologists. Missiology is an inherently interdisciplinary field of study focused on the historic and contemporary work of serving the church around the world. The primary disciplines that have long contributed to this field of study are cultural anthropology, history, and theology. The Certificate of Mission Studies at Wheaton brings together these fields, along with several others, to help students develop the analytical skills relevant to understand global missions work today.

The core of the program is in Anthropology (ANTH 116) and Christian Formation and Ministry (CFM 322/CFM 332), with options for research methods (SOC 482, ANTH 482, INTR 572), elective credits chosen from a variety of areas, an experiential component through a summer practicum in conjunction with the Office of Christian Outreach (OCO), and a final research project to be conducted as an independent study under the guidance of a faculty mentor in the field of the student's primary interest.

Students from any major can complete a Certificate in Mission Studies (CMS). If experimental courses or new courses not currently listed in the catalog have significant missiological content, students may petition for those courses to count toward the elective credits in either Theological Perspective or Social Science/Historical Perspectives as appropriate. Graduate courses taken as part of the CMS cannot be counted toward accelerated standing in a Wheaton MA program.

Although the CMS has a primary focus in research, it encompasses an experiential component, recognizing that true understanding cannot come through academic study alone. In the summer after either the sophomore or junior year, students in the CMS will join a summer mission team through the OCO, or another approved experiential component (such as an internship with a mission organization.) This experience may form the basis for the research as part of the senior project. The practicum is a non-credit bearing component of the certificate.

In the senior year, CMS students will work with an academic independent study advisor to prepare a paper for presentation at a professional missiology or other disciplinarily appropriate conference, or publication in a missiological journal. This could be completed as two, 2-credit independent study spread across fall and spring semesters or a single, 4-credit course in the fall of the student’s senior year. This will lead to a paper for presentation in the spring of the student’s final year. The preferred conference for Wheaton students would be the Evangelical Missiological Society’s regional Northcentral conference held in the Chicagoland area in March or early April each year. However, other conferences can be arranged with prior approval. The research paper will be based on original research appropriate to the student’s discipline of focus. This may be in the student’s major, though can be in any department in which the student can locate an appropriate advisor.

Students who wish to earn the Certificate in Mission Studies must complete an application by December 1 of their sophomore year and submit it to the director of the certificate. Details can be found on the website for the CMS at http://www.wheaton.edu/academics/programs/sociology/certificate-for-mission-studies. Students should plan to take ANTH 116 by the end of the sophomore year, prior to the mission practicum.

The Certificate in Mission Studies would be particularly relevant for students considering a career in mission work. In particular, students planning to go on to graduate school or seminary, whether in pastoral ministry, mission work, or other cross-cultural Christian work, would find benefit in the CMS. As a research focused degree, the CMS would also prove advantageous for students planning to pursue a career in Christian academia.

### Requirements

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td><strong>Core</strong></td>
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<tr>
<td>ANTH 116</td>
<td>Introduction to Anthropology (Freshman or Sophomore year)</td>
<td></td>
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<tr>
<td>CFM 322</td>
<td>Historical Foundations and Theological Foundations (Sophomore or Junior year)</td>
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<tr>
<td>INTR 572</td>
<td>Cross-Cultural Research</td>
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<tr>
<td><strong>Social Science/Historical Perspectives</strong></td>
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<td>4</td>
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<tr>
<td>HIST 305</td>
<td>Introduction to the History of Christianity</td>
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<td>HIST 483</td>
<td>History of Christianity in North America</td>
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<td>ANTH 324</td>
<td>Anthropology of Global Christianity</td>
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<td>ANTH 353</td>
<td>Biculturalism</td>
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<td>ANTH 354</td>
<td>Culture in the Contemporary World</td>
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<td>SOC 366</td>
<td>Sociology Of Religion</td>
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<td>INTR 563</td>
<td>Cross-Cultural Teaching and Learning</td>
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<td>INTR 622</td>
<td>Cross-cultural Human Development</td>
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<td>INTR 623</td>
<td>Families in International Settings</td>
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<tr>
<td>URBN 362</td>
<td>Global Cities: Cities and the World</td>
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<tr>
<td>URBN 383</td>
<td>Cities in the Global South</td>
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<tr>
<td>URBN 371</td>
<td>Race, Poverty, and Reconciliation</td>
<td></td>
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<tr>
<td><strong>Theological Perspectives</strong></td>
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<td>BITH 342</td>
<td>Majority World Theology</td>
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<td>BITH 376</td>
<td>Theologies of Transformation</td>
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<tr>
<td>BITH 563</td>
<td>Apologetics</td>
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<td>BITH 577</td>
<td>World Christianity</td>
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<tr>
<td>INTR 535</td>
<td>Holy Spirit and Mission</td>
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<td>INTR 532</td>
<td>Contextualization in Global Settings</td>
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<td>INTR 534</td>
<td>Mission in Acts</td>
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<tr>
<td>INTR 535</td>
<td>Holy Spirit and Mission</td>
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<td>INTR 548</td>
<td>Discipleship</td>
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<tr>
<td><strong>Mission Practicum</strong></td>
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</table>

Total Credits 24

Approved through the Office of Christian Outreach (i.e., Summer programs such as SMP/GUP/YHM.)
Urban Studies

Through interdisciplinary study and experiential learning, the Urban Studies program fosters understanding of the causes and consequences of the urban condition, the origins and implications of urban issues, and the presence and influence of the city in the world. The program offers courses that:

1. introduce cities and urban life;
2. present approaches to and methods of urban studies;
3. emphasize interdisciplinarity;
4. address key issues of urban experience; and
5. examine the relationship between the Christian faith and contemporary urban challenges.

Wheaton in Chicago, a semester-long, residential, experiential program, available to all Wheaton College students, is required of all Urban Studies majors and minors. During the Wheaton in Chicago program, students complete internships, gaining practical work experience with organizations in Chicago, and enroll in courses earning major and Christ at the Core credit. The Wheaton in Chicago program also emphasizes leadership, mentoring, and vocational discernment.

The program provides a foundation for graduate study in social science and professional fields while preparing students for possible employment in fields such as advocacy, community and economic development, cultural affairs, ministry, public health, research, social enterprise, social work, and policy, planning and design, among others.

The Urban Studies major and minor, as well as Wheaton in Chicago, are programs of the Wheaton College Center for Urban Engagement (CUE). CUE exists to promote just, sustainable, and flourishing urban communities through the academic study of cities and transformational experiences of urban life.

Faculty

Director, Professor Noah Toly
Assistant Professor Christa Tooley

Programs

- Urban Studies Major (p. 225)
- Urban Studies Minor (p. 226)

Courses

Urban Studies Courses

URBN 114. Social Life of Cities. (4 Credits)
This course introduces students to the study of cities and their associated social phenomena, while crafting a biblically informed perspective upon various urban issues. Students engage a broad range of research upon cities in a variety of domestic and international contexts through class readings, lectures and multimedia presentations. Key concepts which have been used to characterize the distinctiveness of urban life are introduced and discussed, with attention to the comparative experiences of contemporary cities.

Tags: GP, SI

URBN 231. Chicago: An Introduction. (2 Credits)
Survey of the city’s ethnic, economic, and institutional diversity will be presented through lectures, slides, and field trips. Special emphasis on the problems and promises of urban life.

URBN 296. Urban Studies Practicum. (2 or 4 Credits)
Supervised field placements and mentorship in urban contexts. Students must have sophomore standing to be eligible. Provides opportunities for vocational discernment and requires students to think through the ways in which their field experience will inform the coursework they will complete as juniors and seniors.

URBN 321. Urban Issues and Active Faith. (2 Credits)
An interdisciplinary course designed to help students integrate their internship, classroom, and daily life experiences while living in the city under the Wheaton in Chicago program.

URBN 352. Topics in Urban Studies. (2 Credits)
Selected topics, designed to give added breadth and depth to understanding of cities and Urban Studies. May include such subjects as "The Chicago School" of Urban Studies, Urban Planning & Contemporary Environments, and The City in Film. Occasional.

URBN 354. Topics in Urban Studies. (4 Credits)
Selected topics, designed to give added breadth and depth to the understanding of cities and Urban Studies. May includes such subjects as "The Chicago School" of Urban Studies, Urban Planning & Sustainable Environments, and The City in Film. Occasional.

URBN 362. Global Cities: Cities and the World. (4 Credits)
This course examines the effects of globalization on major urban centers in the world system, comparing and contrasting cities in North America, Europe, Africa, and Asia. Students will study the economic, political, and social impact, as well as responses of government and civil society.

URBN 371. Race, Poverty, and Reconciliation. (4 Credits)
This course examines the social, economic and spiritual factors involved in racial reconciliation and overcoming poverty and how people of faith are developing strategies to build bridges across racial and economic barriers.

URBN 373. The City in Popular Culture. (2 Credits)
Explores common representations of the city as they emerge within the media of popular culture. These characterizations of the city are critically considered within frameworks of anthropological analysis and therefore highlight issues of meaning, practice, history and human agency. (2)

URBN 383. Cities in the Global South. (2 Credits)
Cities in the global south today face a variety of challenges, requiring careful negotiation through policy and everyday practice. This course introduces students to the particular issues which colonial histories and peripheral participation in global markets have produced in some key cities of the global south. Strategies and innovations for future development are presented as possibilities for local agency and transformation.

URBN 385. Urban Politics. (2 Credits)
See PSCI 385.
URBN 391. Community-Based Research in Urban Public Health. (4 Credits)
Theory and practice of public health program planning and evaluation in partnership with community public health organizations in urban Chicago. Students will integrate principles of community building and organizing to address community-identified health issues in the context of social change. Emphasis will be placed upon the development of faith-based cultural humility for the recognition and empowerment of existing healthy community assets for the improvement of urban health and quality of life. Quantitative and qualitative research methods will be utilized and integrated throughout all phases of health planning and program evaluation. Prerequisites: AHS 378 and AHS 381. $50 course fee.

URBN 393. Placemaking in Urban Contexts. (2 Credits)
Explores the processes by which particular configurations of history, identity and landscape are transformed into identifiable and meaningful places in the construction and development of cities. Case studies will be drawn from multiple cities around the world, including Scotland, China, and Africa and will examine the use of local and global narratives, images, and logics, highlighting the socially contested and constructed nature of this process.

URBN 399. Pre-field Preparation. (0 Credits)
Prepares students for undertaking a field experience in Chicago with the Wheaton In Chicago program. Through correspondence with a faculty member in Urban Studies, students are introduced to relevant practical issues and challenges, particularly related to cross-cultural competencies, as well as many resources which will be available to them through the duration of their experiential education program. This course equips students to maximize the impact of their urban field experience, develop practical intercultural skills, and positively and holistically contribute to life in a community.

URBN 455. American Urban History. (4 Credits)
Examines how urbanization has shaped and directed much of America’s social, cultural, political, and economic development from colonial times to the present. Lecture, discussion, readings from primary sources.

URBN 494. Advanced Urban Studies Seminar. (2 Credits)
This capstone course requires integrative, interdisciplinary reflection upon emerging urban forms, urban field experiences, and vocation. Undergraduate students must have completed urban field experience (e.g., Wheaton in Chicago) or internship prior to enrolling in the course, unless they secure the consent of the Urban Studies Program Director.

URBN 495. Independent Study. (2 to 4 Credits)
Directed reading and research during the student’s urban field experience.

URBN 496. Internship. (2 to 8 Credits)
Supervised field experience in an urban setting, usually Chicago. The internship is designed to meet the particular interests of the student, as well as the needs of the host organization and neighborhood. Graded pass/fail.

Urban Studies Major
Requirements
Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

Requirements for the Urban Studies major are 40 credit hours.
Urban Studies Minor

Requirements

Requirements for the Urban Studies minor are 20 credit hours. These include:

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<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>URBN 114</td>
<td>Social Life of Cities</td>
<td>4</td>
</tr>
<tr>
<td>URBN 233</td>
<td>Chicago</td>
<td>4</td>
</tr>
<tr>
<td>URBN 399</td>
<td>Pre-field Preparation</td>
<td>0</td>
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<tr>
<td>BITH 376</td>
<td>Theologies of Transformation</td>
<td>4</td>
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<tr>
<td>URBN 496</td>
<td>Internship (or approved internship in another department)</td>
<td>2-8</td>
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<tr>
<td>or URBN 296</td>
<td>Urban Studies Practicum</td>
<td></td>
</tr>
<tr>
<td>URBN 494</td>
<td>Advanced Urban Studies Seminar</td>
<td>2</td>
</tr>
<tr>
<td>Select 0-4 credits of additional course work</td>
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1. Chosen from the list of approved courses for the major (p. 225) (in any category - core, methods, or electives).

Students completing the pre-field, field, and post-field experiences of Wheaton in Chicago can complete the minor without additional coursework.
CONSERVATORY OF MUSIC

- Conservatory Admissions (p. 227)
- General Education - Conservatory of Music (p. 230)
- Conservatory Programs (p. 231)
  - Bachelor of Music in Performance (p. 244)
  - Bachelor of Music in Composition (p. 244)
  - Bachelor of Music Education (p. 245)
  - Bachelor of Music in Music History and Literature (p. 246)
  - Bachelor of Music with Elective Studies in an Outside Field (p. 247)
  - Bachelor of Music in Pedagogy (p. 250)
  - Bachelor of Arts in Music (p. 179)
  - Music Minor (p. 252)
  - Worship Arts Certificate (p. 252)

Program Objectives
The Conservatory of Music exists to provide a program of comprehensive music training in a Christ-centered environment that fosters musical excellence, achievement, and creativity. In service to church and society, the Conservatory provides music experiences intended to inspire joy and passion among all students of Wheaton College, while serving as a cultural resource for the college, community and the world.

Six music degree programs are offered through the Conservatory of Music: Bachelor of Music in Performance (p. 244), Bachelor of Music in Composition (p. 244), Bachelor of Music in History and Literature (p. 246), Bachelor of Music Education (p. 245), Bachelor of Music in Pedagogy (p. 250), and Bachelor of Music with Elective Studies in an Outside Field (p. 247). Additionally, the Bachelor of Arts in Music (p. 179) is offered through Arts and Sciences.

All music degree programs can be completed in eight semesters; however, nine semesters may be necessary for the Bachelor of Music Education (p. 245) degree. The Bachelor of Music Education degree is the approved teacher education program for students planning to teach elementary and/or secondary music and is the only means to Illinois state certification.

Conservatory Admissions
Those wishing to pursue any Bachelor of Music degree (including the Bachelor of Music Education degree) should use the Conservatory of Music application available online (https://www.wheaton.edu/admissions-and-aid/undergraduate-admissions/apply-to-wheaton/undergraduate-admissions-process/how-to-apply-to-the-conservatory-of-music).

Those wishing to pursue a Bachelor of Arts degree in music should complete the on-line application (https://www.wheaton.edu/admissions-and-aid/undergraduate-admissions) to the Liberal Arts College. The deadline for applications is January 10 for the following academic year.

In addition to the requirements for college admission, the following are required for all Conservatory of Music applicants:
- an audition (see entrance requirements for Conservatory of Music majors below),
- one Music Teacher Recommendation, and
- a Music Information Profile (in which the applicant details training and experience).

Those interested in pursuing a Bachelor of Arts degree with a major in music (p. 179) are admitted on the same basis as other Liberal Arts applicants, and should visit the Conservatory Academic Office (Armerding 217) to complete an assessment of piano proficiency a primary instrument evaluation, and the Music Fundamentals Test, before the first day of classes.

Current Liberal Arts students desiring to enroll in a B.M./B.M.E. degree program must complete the Music Information Profile, submit one Music Teacher Recommendation, and schedule an audition. Any student currently taking private lessons may, by prior arrangement, use the private lesson jury as an audition.

Entrance Requirements for Conservatory of Music Majors (Bachelor of Music & Bachelor of Music Education Degrees)
Auditions are required of all applicants to the Conservatory of Music. On-campus auditions are strongly recommended, and are required for applicants living within 350 miles of campus. Applicants living more than 350 miles from campus may submit a recorded audition, if necessary.

Instructions for Recorded Auditions
Students who live beyond 350 miles and are unable to play an on-campus audition, may submit a video recording, which should be of the best possible sound quality. It is important that students present themselves as professionally as possible; for example, pianists and accompanists should perform using the highest quality instrument available. Label the recording with the performer’s name, instrument or voice part, and audition repertoire. The recording may not be edited, except to add tracks or chapters. Please upload an audition to a video file hosting service (for example, YouTube, Vimeo, Dropbox, etc.) and send the link to music@wheaton.edu.

Repertoire requirements for recorded auditions are identical to those conducted on campus. Note: Instrumentalists should play two scales and two arpeggios (four total). Recorded auditions must be received by November 1 for Early Action and January 10 for Regular Action.

Audition Requirements
The requirements that follow are for Bachelor of Music in Performance majors (performance levels are adjusted for other music degrees). Repertoire equivalent in difficulty is acceptable. Memorization is required for piano and voice auditions and recommended for all others. See additional requirements for Composition, and History/Literature degrees.

Bassoon—Major and harmonic minor scales through four sharps and four flats; an etude that provides a good representation of technical development, such as one of the Weissenborn Advanced Studies. A solo work demonstrating maturity as a musician: inclusion of both a fast and slow movement preferred.

Cello—Three octave major and harmonic minor scales through four sharps and four flats; an etude of the applicant’s choice; a first movement of a concerto, such as Haydn C Major or Boccherini B-flat Major; a movement of a J.S. Bach suite.

Clarinet—Major and harmonic minor scales through four sharps and four flats (two octaves, tongued) E, F, and G scales should be three octaves. Two etudes of contrasting style: one demonstrating technical development, the other a slow etude from the Rose 32 Etudes. One solo
Prepare four major and four harmonic minor scales: two should begin No. 3 Horn—

Euphonium—Major scales A-flat, D-flat, G-flat, B, and chromatic scale through two octaves. An etude from Rochuet/Bordogni Melodious Etudes or equivalent. A technical etude from Tyrell, Kopprasch, or Arbans. A solo, such as Andante and Allegro by Barat, or Sonatina by Hutchinson.

Flute—Prepare either: Exercise E.J.#4, in its entirety, from Taffanel-Gaubert – 17 Grands Exercises Journaliers de Mecanisme – or a complete exercise from Reichert – Seven Daily Exercises, op.5. Prepare an Etude or Caprice by Anderson, Berbiguier or Karg Elert. Prepare a work of your choice and one complete work by Bach, Mozart, or Handel.

Guitar—Etudes by Brouwer, Sor, Cassacci, Carulli, Giuliani, or Aguado. Two contrasting pieces—one piece, slower in tempo, should demonstrate an ability to shape phrases and control rubatos, tenutos, and dynamics. The second piece should be faster in tempo, demonstrating a technical command of scales, arpeggios, slurs, shifts, etc. Any dances from the Lute works or Cello works of J.S. Bach will be especially valuable at the audition, although not required. Jazz Guitar: Solo guitar arrangement of a jazz standard and an ensemble (or play-along) rendition of an up-tempo bebop (blues, rhythm changes, etc.) composition with a chorus of improvisation.

Harp—Scales and Tonic Glissandos in all Keys. Etudes such as Salzedo: Conditioning Exercises for Harp or Salzedo/Lawrence: Method for the Harp. Two contrasting pieces such as: Sonata in C minor by Peschetti, Sonatina I, II by Dusek, The Harmonious Blacksmith by Handel/Salzedo, Impromptu Caprice by Pierre, A Ceremony of Carols by Britten, Concerto in B Flat by Handel, or any of the following pieces by Salzedo: Suite of Eight Dances, Song in the Night, Tango, or Rhumba.

Horn—Three pieces of contrasting styles by different composers and periods which demonstrate range, technique, lyrical style, and dynamic contrast. Those auditioning for performance should prepare several varied orchestral excerpts.

Oboe—Major and harmonic minor scales through four sharps and four flats. An etude that demonstrates the fullest extent of the student’s technical development. Three important orchestral excerpts, contrasting in nature, such as Brahms Violin Concerto, 2nd mvt., Beethoven Symphony No. 3, Overture to Italian in Algiers by Rossini.

Organ—(a) Two organ works of contrasting periods and styles, one fast and articulate, and the other slow and lyrical, demonstrating the student’s best efforts and abilities; (b) one prepared hymn; (c) sight reading. Students with no previous organ study may elect to audition on piano with pieces such as 1) two J.S. Bach Two- or Three-part Inventions, 2) a fast movement from a Classical sonata (Haydn, Mozart, Beethoven, et al.) 3) and a Romantic or 20th-century work.

Percussion—Performance on snare drum, keyboard percussion, and timpani. Any solo, etude, or excerpt that best reflects the student’s experience and ability as a percussionist in these areas will be accepted.

Piano (Bachelor of Music in Performance)—Three compositions:

1. a Bach three-part Sinfonia or a Prelude and Fugue from the Well-Tempered Clavier;
2. an Allegro movement from a sonata by Haydn, Mozart, or Beethoven (achievement level of at least Haydn D Major, Hob.XVI:37, Mozart K. 282, or Beethoven Op. 79);
3. either a nineteenth- or a twentieth-century work (achievement level of at least Schubert Impromptu, Op. 142 No. 2, Bartok Sonatina, or Debussy Arabesque).

• Prepare four major and four harmonic minor scales: two should begin on a black note and two on a white note, each performed over a four-octave span, hands together, minimum quarter note = 84, 4 notes per beat. Major and minor triad arpeggios in the same sharp keys and flat keys, four-octave span, hands together, minimum quarter note = 72, 4 notes per beat.

• Applicants also must submit a repertoire list of significant works performed over the last four years.

Piano (All other music degrees)—Three compositions:

1. a Bach two-part Invention;
2. an Allegro movement from an easier sonata by Haydn, Mozart, or Beethoven (achievement level of at least Beethoven Op. 49 No. 1 or Mozart K. 545);
3. either a nineteenth- or twentieth-century work (achievement level of at least Chopin Prelude Op. 28 No. 6, Schumann Scenes of Childhood, Roy Harris Little Suite, Kabalevsky Sonatina Op. 13 No. 1).

• Prepare four major and four harmonic minor scales: two should begin on a black note and two on a white note, each performed over a four-octave span, hands together, minimum quarter note = 72, 4 notes per beat. Major and minor triad arpeggios in the same sharp keys and flat keys, four-octave span, hands together, minimum quarter note = 60, 4 notes per beat.

• Applicants also must submit a repertoire list of significant works performed over the last four years.

Saephone—Major and harmonic minor scales through four sharps and four flats; these scales should be played the full range of the instrument. Chromatic scale throughout the full range of the instrument. Two etudes of contrasting style: one demonstrating technical development, the other a slow etude. (i.e. the Ferling Studies.) These studies should demonstrate the fullest extent of the student’s musical development. A major work such as the Glazounov Concerto or the Creston Sonata.

Trombone—Major scales A-flat, D-flat, G-flat, B, and chromatic scale through two octaves. An etude from Rochuet/Bordogni Melodious Etudes or equivalent. A technical etude from Tyrell, Kopprasch, or Arbans. An etude from Blazhевич Studies in Clefs (Alto and Tenor Clef). A solo such as Guilman: Morceau Symphonique, David, Larsson. Bass trombone: Solo such as Lebedev, McCarty, Three Easy Pieces by Hindemith, or Concertino by Lieb.

Trumpet—Three contrasting trumpet solos that demonstrate an understanding of style, interpretation, and phrasing, as well as tone quality, dynamics, range, and technique. Select solos from three different historic/stylistic periods. For example: Handel, Concerto in D Minor, Hummel, Concerto in E-flat Major, and the Concerto by Arutunian. Please play only representative passages from the solos. Also include three orchestral excerpts.
Tuba—Major scales A-flat, D-flat, G-flat, B, and chromatic scale through two octaves. A legato etude from Concone, Fink, or Bordegni/Rochinet. A technical etude from Tyrell, Kopprasch, or Arbans. A solo such as Suite for Tuba by Hadad, Concertino by Frackenpohl, Air and Bourée by Bach, Adagio and Allegro by Telemann.

Viola—Scales and Arpeggios: D major and D minor (harmonic or melodic) 3-octave scales and arpeggios to be played slurring three notes at a time. One etude from Kreutzer, Mazas, Campagnoli, or Fuchs. Two contrasting movements from Bach — Cello Suites, Violin Sonatas and Partitas. One movement from a substantial work such as: Hoffmeister—Concerto in D Major (mvt I), Stamitz—Concerto in D Major (mvt 1 or 3), Bloch—Suite Hebraïque (mvt 1), J.C Bach—Concerto (mvt 1 or 3), Hindemith—Der Schwanendreher (mvt 1 or 2), Schumann—Fairy Tales (any mvt), Schubert—Arpeggione Sonata (any mvt), Walton—Concerto for Viola (mvt I), Bartok—Concerto for Viola (mvt 1), Brahms—Sonatas Op. 120 No. 1 or 2 (any mvt), Bruch—Romance.

Violin—Three octave major and melodic minor scales and arpeggios through four sharps and four flats; a movement of a solo Bach sonata or partita; an etude, such as Kreutzer, Dont, or Rode; a first movement of a standard concerto, such as Mozart, Mendelssohn, Bruch, Lalo, or Barber. Applicants are welcome to demonstrate any work they may have done in improvisation or composition.

Voice—Three songs of contrasting nature: 1) An Italian, German, or French art song; 2) An American or British art song; 3) Own choice. Tonal quality, pitch perception, and poetic sense will be evaluated along with sight singing and rhythm. An accompanist is provided for all voice auditions. Please notify the Conservatory Admissions Counselor if you will not need the staff accompanist.

Additional Requirements for the Bachelor of Music in Composition Degree

Bachelor of Music (Composition). In addition to the primary instrument audition, applicants should submit a portfolio of three to four original compositions (no arrangements), preferably with recordings. Compositions will be evaluated based on the following criteria: originality, musical interest, quality of instrumental/vocal writing, and accuracy of notation. An interview with the composition faculty is also required.

Performance Opportunities

The Conservatory of Music maintains six large-scale performing ensembles: Concert Choir, Jazz Ensemble, Men’s Glee Club, Symphonic Band, Symphony Orchestra, and Women’s Chorale. Performance opportunities are numerous and varied, including on-campus concerts and off-campus presentations in churches, schools, and concert halls.

Student recitals and studio classes are held regularly; junior and senior recitals are presented throughout the school year. Additional performance opportunities are available through the percussion ensemble, jazz combos, and string, woodwind, and brass chamber music ensembles. Opera Mainstage stages a full production every year and Opera Workshop presents at the end of spring semester.

The Conservatory’s annual Concerto Competition features divisional competitions for keyboard, winds/percussion, strings, and voice. Divisional winners perform with the Wheaton College Symphony Orchestra on the Concert Competition Honors Concert. A Finalist is chosen from among the divisional winners and becomes the recipient of the Ben Heppner Prize. The winning piece of the annual Composition Competition is also performed on the Concerto Competition Honors Concert. A Chamber Music Competition is also held annually: Winners of the Concerto and Chamber Music Competitions are featured at the Commencement Celebration Concert.

Other Music Opportunities

The Wheaton College Artist Series brings to campus such internationally renowned artists and ensembles as Sylvia McNair, Canadian Brass, Royal Philharmonic Orchestra, and conductor Lorin Maazel. The Faculty Recital Series features a variety of faculty soloists and ensembles, emphasizing the integration of teaching and performing.

Off-campus summer programs include Arts in London. Contact Conservatory of Music for further information.

Membership in the Music Educator’s National Conference (MENC) is open to all students and faculty. Local collegiate MENC chapter meetings are held, field trips are taken, and participation in state and national conferences and clinics is encouraged. Membership in the student chapter of the American Guild of Organists (AGO) is open to organists as well as others seeking extracurricular experience in church music and professional organ playing. Participation in the National Association of Teachers of Singing (NATS) is open to voice students and offers competitive experiences, as well as special events for young singers. Membership in the international Percussive Arts Society (PAS) is open to percussion students. Benefits include access to publications, online research tools and the annual convention (PASIC), which features concerts, clinics, master classes and presentations, showcasing all areas of percussion. Students interested in choral conducting are encouraged to join the American Choral Directors Association (ACDA) and attend state, divisional and national conferences.

Music Resources

The music holdings of the Buswell Memorial Library include 7,000 music books, 12,000 scores, 60 music journal subscriptions, 5,000 audio compact discs and a total of 11,000 recordings, and the Naxos Music Library streaming service. There are seven listening stations, as well as a group listening room and a seminar room. In addition, the library holds the complete works of 60 composers.

The Music Technology Lab includes 12 workstations each with Kawai 88-note weighted action digital pianos. 6 workstations are equipped with an Apple Mac Mini with MIDI connections to the pianos. Installed software includes Finale 2011 and Sibelius 6.

Trackside Studio houses a complete 5.1 surround sound system utilizing sound modules from Korg, Kurzweil and Roland. Installed software includes Logic Studio 9, Pro Tools 9, Finale 2011, and Sibelius 6 along with many 3rd party virtual instruments and plugins.

Shea Studio, located in the Billy Graham Center, is a state-of-the-art, 5.1 surround sound Pro Tools/HD based digital recording studio.

Conservatory keyboard instruments include a four-manual, 50-stop, 70-rank Casavant mechanical action concert pipe organ, Op. 3796 (2001), with dual mechanical action and digital consoles, the largest of its type in the area. A two-manual and pedal mechanical action pipe organ of 14-stops and 17 ranks was added to the Conservatory. The Faculty Recital Series features a variety of faculty soloists and ensembles, emphasizing the integration of teaching and performing.

The conservatory has available a number of other pipe organs for practice, including a two-manual Schlicker, two two-manual Roderer mechanical-action instruments, an additional two-manual tracker by Charles Ruggles, and a continuo-portative organ built by Thomas Donahue after Gerhard Brunzema. Harpsichords include instruments by Kingston, Broekman and clavichord by Keith Hill; four concert grand pianos, including a handmade Shigeru Kawai EX 9’ concert
grand, and approximately 90 teaching and practice pianos. More than 300 orchestral instruments are available for training, practice and performance.

**General Education - Conservatory of Music**

**General Education**

(For specific course options to meet the general education requirements below, see the Christ at the Core General Education requirements (p. 29.).)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<td></td>
<td><strong>Core Competencies:</strong></td>
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<td>Oral Communication</td>
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<td></td>
<td>Writing</td>
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<td><strong>Shared Core:</strong></td>
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<td>Christian Thought</td>
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<td>Advanced Integrative Seminar</td>
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<td><strong>Category I</strong></td>
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<td>Diversity in the United States</td>
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<td>Global Perspectives</td>
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<td><strong>Category II</strong></td>
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<td>Applied Abstract and Quantitative Reasoning</td>
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<td></td>
<td>Historical Perspectives</td>
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<td></td>
<td>Literary Explorations</td>
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<td>Philosophical Investigations</td>
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<td>Scientific Practice</td>
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<td>Scientific Issues and Perspectives</td>
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<td></td>
<td>Social Inquiry</td>
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<td><strong>Visual and Performing Arts - Art/Theater</strong></td>
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<td>Select one theme in VPAV or VPAT</td>
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</table>

**Total Hours Normally** 32

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1. One of the courses must be an Advanced Integrative Seminar (AIS) (p. 109), and it is advised to select double-tagged courses.
   
   *No more than 1 Theme may be met with transfer credit. Transfer courses will receive one tag only.*
Conservatory Programs

The Conservatory of Music offers the following professional music degrees: Bachelor of Music in Performance (p. 244), Bachelor of Music in Composition (p. 244), Bachelor of Music Education (BME) (p. 245), Bachelor of Music in History and Literature (p. 246), and Bachelor of Music in Pedagogy (p. 250).

For those desiring a professional music degree with more breadth, the Bachelor of Music with Elective Studies in an Outside Field (p. 247) offers the possibility of completing a professional music degree combined with a substantial 24-hour track in a non-music field.

In addition, the Bachelor of Arts (BA in Music) (p. 179), is offered through the College of Arts and Sciences, conjointly with the Conservatory of Music. Music as a Minor (p. 252) field is also offered.

Consult the following degree pages (p. 232) for specific requirements of each degree program.

Faculty

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Michael Wilder, Ph.D.</td>
<td>Dean, Conservatory, Arts &amp; Communication; Professor of Music</td>
</tr>
<tr>
<td>Karin Edwards, D.M.</td>
<td>Professor of Music (Piano)</td>
</tr>
<tr>
<td>Carolyn Hart, D.M.A.</td>
<td>Professor of Music (Voice, Vocal Area Chair)</td>
</tr>
<tr>
<td>Sarah Holman, D.M.A.</td>
<td>Professor of Music (Voice)</td>
</tr>
<tr>
<td>Mary Hopper, D.M.A.</td>
<td>Professor of Music (Conducting, Women's Chorale, Men's Glee Club, Director of Performance Studies)</td>
</tr>
<tr>
<td>Daniel Horn, D.M.A.</td>
<td>Professor of Music (Piano, Keyboard Area Chair)</td>
</tr>
<tr>
<td>Kathleen Kastner, D.M.A.</td>
<td>Professor of Music (Music History, Percussion)</td>
</tr>
<tr>
<td>L. Jonathan Saylor, Ph.D.</td>
<td>Professor of Music (Music History, Bassoon, Winds Area Chair)</td>
</tr>
<tr>
<td>Daniel Sommerville, D.M.</td>
<td>Professor of Music (Conducting, Symphony Orchestra)</td>
</tr>
<tr>
<td>Edward Zimmerman, D.M.A.</td>
<td>Professor of Music (Church Music, Organ, Harpsichord, Director of Academic Studies)</td>
</tr>
<tr>
<td>Jerry Blackstone, D.M.A.</td>
<td>Visiting Professor (Conducting)</td>
</tr>
<tr>
<td>Johann Buis, D.A.</td>
<td>Associate Professor of Music (Music History, Coordinator Music History)</td>
</tr>
<tr>
<td>Lee Joiner, D.M.A.</td>
<td>Associate Professor of Music (Violin, Strings Area Chair)</td>
</tr>
<tr>
<td>Shawn Okpebholo, D.M.A.</td>
<td>Associate Professor of Music (Composition, Theory, Theory Area Chair)</td>
</tr>
<tr>
<td>Tony Payne, D.M.</td>
<td>Associate Professor of Music (Director of Special Programs, Artists Series)</td>
</tr>
<tr>
<td>John Trotter, D.M.A.</td>
<td>Associate Professor of Music (Conducting, Concert Choir)</td>
</tr>
<tr>
<td>Xavier Beteta, Ph.D.</td>
<td>Assistant Professor of Music (Composition, Theory)</td>
</tr>
</tbody>
</table>

| Thomas Hueber, D.M.A.       | Assistant Professor of Music (Voice)                                 |
| Gina Yi, Ph.D.              | Assistant Professor of Music (Music Education, Elementary Education) |
| Leonardo Altino, M.M.       | Associate Lecturer (Violoncello)                                     |

Part Time Faculty - Guest Lecturers

<table>
<thead>
<tr>
<th>Name</th>
<th>Instrument</th>
</tr>
</thead>
<tbody>
<tr>
<td>Andrew Anderson, M.M.</td>
<td>String Bass</td>
</tr>
<tr>
<td>Don Baddorf, B.A.</td>
<td>Digital Music Technology</td>
</tr>
<tr>
<td>Beth Bauer, D.M.E.</td>
<td>Pedagogy, Internships</td>
</tr>
<tr>
<td>Arthur Black, M.M.</td>
<td>Saxophone</td>
</tr>
<tr>
<td>Jennie Brown, D.M.A.</td>
<td>Flute</td>
</tr>
<tr>
<td>Melanie Cottle, Mus. B.</td>
<td>French Horn</td>
</tr>
<tr>
<td>Christopher Davis, M.M.</td>
<td>Trombone</td>
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<tr>
<td>James Davis, M.M.</td>
<td>Jazz Trumpet</td>
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<tr>
<td>Katie Ernst, B.M.</td>
<td>Jazz Studies, Jazz Ensembles</td>
</tr>
<tr>
<td>Michael Folker, M.A.</td>
<td>Percussion</td>
</tr>
<tr>
<td>Denise Gamez, M.M.</td>
<td>Voice</td>
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<tr>
<td>Lucas Gillan, B.M.</td>
<td>Jazz Percussion</td>
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<tr>
<td>Steve Green, M.M.</td>
<td>Brass Tech</td>
</tr>
<tr>
<td>Rose Armbrust Griffin, M.M.</td>
<td>Viola, Music History, Chamber Music</td>
</tr>
<tr>
<td>Kevin Harrison, M.M.</td>
<td>Tuba</td>
</tr>
<tr>
<td>Deborah Hollinger, M.M.</td>
<td>Piano</td>
</tr>
<tr>
<td>Misook Kim, D.M.A.</td>
<td>Music Theory</td>
</tr>
<tr>
<td>Christopher Lorimer, M.M.</td>
<td>Voice</td>
</tr>
<tr>
<td>Michael Messer</td>
<td>Piano</td>
</tr>
<tr>
<td>Sung Hoon Mo, D.M.A.</td>
<td>Piano</td>
</tr>
<tr>
<td>Trevor O’Riordan, M.M.</td>
<td>Clarinet</td>
</tr>
<tr>
<td>John P. Rakes, D.M.A.</td>
<td>Music History</td>
</tr>
<tr>
<td>Stephen Ramsdell, M.M.</td>
<td>Guitar</td>
</tr>
<tr>
<td>Mark Ridenour, M.M.</td>
<td>Trumpet</td>
</tr>
<tr>
<td>Faye Seeman, M.M.</td>
<td>Harp</td>
</tr>
<tr>
<td>Steven Sjoberg, B.M.</td>
<td>Suzuki, Violin</td>
</tr>
<tr>
<td>Thomas, Stark, M.M.</td>
<td>Brass Tech</td>
</tr>
<tr>
<td>Robin Sterling, M.M.</td>
<td>Voice</td>
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<tr>
<td>Deborah Stevenson, M.M.</td>
<td>Oboe</td>
</tr>
<tr>
<td>Anne Sullivan, M.M.</td>
<td>Flute Techniques</td>
</tr>
<tr>
<td>Brian Torosian, D.M.A.</td>
<td>Classical Guitar</td>
</tr>
<tr>
<td>Jill Burlingame Tsakouras, M.M.</td>
<td>Alexander Techniques Specialist</td>
</tr>
<tr>
<td>Brenda Vishanoff, M.M.</td>
<td>Brass</td>
</tr>
<tr>
<td>Jeremy Ward, M.M.</td>
<td>Violoncello, Early Music</td>
</tr>
<tr>
<td>Gregory Wheatley, M.M.</td>
<td>Music Theory</td>
</tr>
<tr>
<td>Howard Whitaker, Ph.D.</td>
<td>Music Theory</td>
</tr>
<tr>
<td>Bradley Williams</td>
<td>Jazz Piano</td>
</tr>
<tr>
<td>Paul Zafer, M.M.</td>
<td>Violin</td>
</tr>
</tbody>
</table>

**Wheaton College**

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Emeritus Faculty

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harold Best, S.M.D.</td>
<td>Professor of Music Emeritus</td>
</tr>
<tr>
<td>Curtis Funk, D.M. Ed.</td>
<td>Associate Professor of Music Emiritus</td>
</tr>
<tr>
<td>William Phemister, D.M.A.</td>
<td>Professor of Music Emeritus</td>
</tr>
<tr>
<td>Terry Schwartz, D.M.A.</td>
<td>Associate Professor of Music Emiritus</td>
</tr>
<tr>
<td>Gerard Sundberg, D.M.A.</td>
<td>Professor of Music Emeritus</td>
</tr>
<tr>
<td>Howard Whitaker, Ph.D.</td>
<td>Professor of Music Emeritus</td>
</tr>
<tr>
<td>Paul Wiens, D. M. A.</td>
<td>Professor of Music Emeritus</td>
</tr>
<tr>
<td>John Zimmerman, M. Mus.</td>
<td>Associate Professor of Music Emiritus</td>
</tr>
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</table>

Programs

- Bachelor of Music in Performance (p. 244)
- Bachelor of Music in Composition (p. 244)
- Bachelor of Music Education (p. 245)
- Bachelor of Music in Music History and Literature (p. 246)
- Bachelor of Music with Elective Studies in an Outside Field (p. 247)
- Bachelor of Music in Pedagogy (p. 250)
- Bachelor of Arts in Music (p. 179)
- Music Minor (p. 252)
- Worship Arts Certificate (p. 252)

Courses

See the Financial Information (p. 464) section of this catalog for music fees. All courses are four semester hours unless otherwise designated. Courses marked as linear ("lin") meet for the full semester. Other two-hour courses are quad courses and meet for half the semester.

Context Studies (MUCS)

Courses in Context Studies attempt to foster an understanding of music history through the systematic exploration of music performance, music theory, cultural trends and developments in society at large. For music majors, individual degree programs specify requirements and options.

**MUCS 101. Introduction to Music: Historical Perspective. (2 Credits)**
A chronological-historical approach toward an understanding of music with a focus primarily upon great musical works of the Western tradition, and the development of a coherent, Christ-centered, theology of the Arts. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPAM. (2)

Tags: VPAM

**MUCS 102. Introduction to Music: Interdisciplinary Perspective. (2 Credits)**
A topical-interdisciplinary approach toward an understanding of music with a focus primarily upon great musical works of the Western tradition, and the development of a coherent, Christ-centered, theology of the Arts. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPAM.

Tags: VPAM

**MUCS 103. Introduction to Music: World Music & Sociology of Sound. (2 Credits)**
A sociological approach toward an understanding of music with a focus upon Global/World music, and the development of a coherent, Christ-centered, theology of the Arts. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPAM.

Tags: VPAM

**MUCS 261. Music Before 1600. (2 Credits)**
Focus on repertories, development of polyphony, notational systems, values, and performance-practice issues. Emphasis on philosophical mindsets, iconography, major composers, sources, printing, bibliographic aids. Ties to modern compositional process. Offered spring semester only. (lin)

**MUCS 262. Baroque and Classical Music Eras. (4 Credits)**
Major trends, issues, and concepts of taste, aesthetics, and expression in seventeenth- and eighteenth-century music. The rise of new dramatic and instrumental media and forms; issues of performance-practice, improvisation, and ornamentation. Focus on media, composers, with attention to matters of musical structure and style. The issue of stylistic overlap and transition in music. Offered fall semester only.

**MUCS 263. Nineteenth-Century Music. (2 Credits)**
Impact of literature, nature, and nationalism on music; programmatic elements. Emphasis on social history, composers, works, genres, style, and performance-practice. The rise of scholarship; post-romanticism. Offered spring semester only.

**MUCS 264. World Music. (2 Credits)**
A survey of world music; cultural contexts and approaches to the study of indigenous music. Offered fall semester only.

**MUCS 275. Musical Theater: London. (2 Credits)**
Offered as part of the Arts in London program. Students will explore Musical Theater as a communication art form. Emphasis will be placed on understanding historical development, establishing criteria for evaluating live performance, and developing basic presentation skills. Cross-listed with COMM 275. Alternate years; offered summer in even years. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPAM.

Tags: VPAM

**MUCS 276. Church Music Practices. (2 Credits)**
A course focusing on the integration of music performance and literature with the Christian faith. Emphasis upon the biblical and theological foundations of church music and related arts, worship practices, and issues from Old Testament and New Testament times through the present day. Hymnology and church music literature across a variety of performance media and periods. Materials and methods for the church musician. Alternate Years; offered spring in odd years.

**MUCS 277. English Cathedral Music. (2 Credits)**
Offered as part of Arts in London program, the course will explore English cathedral music repertoire in an intensive on-site experience. Emphasis will be placed on understanding historical development, establishing criteria for evaluating live performance, and developing basic presentation skills. Cross-listed with COMM 275. Alternate years; offered summer in even years.

**MUCS 321. Church Music Practices. (2 Credits)**
A course focusing on the integration of music performance and literature with the Christian faith. Emphasis upon the biblical and theological foundations of church music and related arts, worship practices, and issues from Old Testament and New Testament times through the present day. Hymnology and church music literature across a variety of performance media and periods. Materials and methods for the church musician. Alternate Years; offered spring in odd years.

**MUCS 278. English Cathedral Music. (2 Credits)**
Offered as part of Arts in London program, the course will explore English cathedral music repertoire in an intensive on-site experience. Emphasis will be placed on understanding historical development, establishing criteria for evaluating live performance, and developing basic presentation skills. Cross-listed with COMM 275. Alternate years; offered summer in even years.

**MUCS 323. Piano Literature. (2 Credits)**
Historical overview of materials of the harpsichord, clavichord, and piano to the present day. Brief attention to the function of the piano in the church. The literatures in survey; focus on typologies. Alternate years; offered fall in even years.
MUCS 324. Art Song Literature. (2 Credits)
Definition and development of the lied, melodie, lirica da camera, and British and American art song to the present time; discussions of the form as it relates to Spanish, Scandinavian, and Slavic contributions. Alternate years; offered fall in odd years.

MUCS 326. Solo String Literature. (2 Credits)
Survey of the major concerto, sonata, and concert repertoire for violin, viola, and cello. Alternate years; offered fall in odd years. (lin)

MUCS 327. Woodwind Literature. (2 Credits)
(Section 1) 327-1. Flute. Historical overview of the flute. Survey of the major repertoire. Offered fall semester only. lin; (Section 2) 327-2. Single Reeds. Historical overview of the single reed instruments. Survey of the major repertoire. Offered fall semester only. lin; (Section 3) 327-3. Double Reeds. Historical overview of the double reed instruments. Survey of the major repertoire. Offered fall semester only. (lin)

MUCS 328. Brass Literature. (2 Credits)
(Section 1) 328-1. Trumpet. Historical overview of the trumpet. Survey of the major repertoire. Offered fall semester only. lin; (Section 2) 328-2. Horn. Historical overview of the horn. Survey of the major repertoire. Offered fall semester only. lin; (Section 3) 328-3. Low Brass. Historical overview of the low brass instruments. Survey of the major repertoire. Offered fall semester only. (lin)

MUCS 329. Percussion Literature. (1 to 2 Credits)
Tutorial under the supervision of the primary teacher. Offered fall semester only.

MUCS 331. Organ Literature and Performance Practice. (3 Credits)
Survey of organ music and historical organ performance practices of all major periods. Alternate years; offered fall in odd years.

MUCS 335. Music of the African Diaspora. (2 Credits)
A general overview of major African-derived musical practices scattered throughout the world. Emphasis on the diasporal unities that are common features in style traits, representative genres, and social trends present in music of the Americas, Caribbean, and Africa. Alternate years; offered fall in even years.

MUCS 336. Music of Oceania & Indonesia. (2 Credits)
An overview of musical practice, values and perspectives found throughout Oceania and Indonesia. Alternate years; offered spring in odd years.

MUCS 355. American Music. (2 Credits)
An historical overview of the major musical genres, styles, and performers of music of the United States; focuses on concert music, folk music, popular music, jazz, and other forms of social music in the United States. Alternate years; offered spring in odd years.

MUCS 356. Jazz History. (2 Credits)
Provides a general overview of the major jazz styles prominent in the United States during the 20th century. Particular attention is given the role of instrumental performance trends, the emergence of representative genres, key performers, and social trends that influenced jazz. Alternate years; offered spring in even years.

MUCS 361. Twentieth-Century Music. (4 Credits)
Consideration of prominent streams of musical practice, important contributors, along with related issues and controversies of the twentieth century. Emphasis on significant works and emerging stylistic elements. Offered spring semester only.

MUCS 363. Introduction to Music Research and Bibliography. (2 Credits)
Techniques in musical research with attention to data control, writing style, and format procedures. Major categories of musical bibliography, including comprehensive exposure to reference sources. Selected problems in music history requiring bibliographic solution. Manuscript work, major institutional collection; issues and sources in the history of music theory and criticism. Alternate years; offered fall in even years.

MUCS 421. Chamber Literature. (2 Credits)
Major contributions in the genre to the present day. Alternate years; offered spring in odd years.

MUCS 422. Choral Literature. (2 Credits)
Major contributions in the genre to the present day. Emphasis on repertoire control and stylistic analysis of representative works. Alternate years; offered spring in even years.

MUCS 424. Opera Literature. (2 Credits)
Survey of the genre from its inception circa 1600 to the present. Coverage of major works with in-depth examination of representative examples. Video presentations regularly included. Alternate years; offered fall in even years.

MUCS 425. Symphonic Literature. (2 Credits)
Survey of the field, focusing on major contributions from the eighteenth century to the present. Emphasis on repertoire control and stylistic analysis of representative works. Corollary ties to the development of the symphony orchestra. Alternate years; offered fall in odd years.

MUCS 433. Style Analysis. (2 Credits)
Major structural processes in music, and relations to surrounding theoretical and aesthetic principles. Criteria for critical analysis, hearing, and assimilation. Selected works representing crucial stylistic principles. Includes a focus on integrative issues, such as ties between rhetoric and music, artifice and expression, and humor as a form determinant. Alternate years; offered spring in even years.

MUCS 434. Seminar in Context Studies. (2 Credits)
Topics will change on a rotational basis. Examples include: Studies in Bach; Studies in Mozart; Studies in Stravinsky; the Renaissance Mass and Motet; Concerto literature; Studies in American music; Studies in jazz; in-depth analysis of specific issues, including research on cutting-edge scholarship; applications to performance practice, and interdisciplinary studies. Alternate years. Alternate years; offered spring in odd years. (lin)

MUCS 494. Senior Capstone. (2 Credits)
An integrative approach connecting students’ shared core experiences with their understanding of the aesthetic, cultural, and vocational issues within a diverse musical landscape. Open to senior music majors. Fall semester only.

MUCS 495. Directed Study. (1 to 4 Credits)
Independent, directed research in selected field of music history and literature.

Ensemble Performance Studies (MUEP)
Music Ensemble requirement is met by participation in one of six large performing ensembles: Concert Choir, Jazz Ensemble, Men's Glee Club, Symphonic Band, Symphony Orchestra, and Women's Chorale. Jazz Ensemble will fulfill up to two hours (four semesters) of the music ensemble requirement. Special circumstances may require adjustments in the music ensemble requirement. These may occur on the recommendation of the appropriate Area Chair, the Music Ensemble Faculty, and the approval of the Director of Performance Studies.
<table>
<thead>
<tr>
<th>Degree Program</th>
<th>Music Ensemble Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Music - Instrumental Performance</td>
<td>Eight semesters on principal instrument</td>
</tr>
<tr>
<td>Bachelor of Music - Keyboard Performance</td>
<td>Eight semesters (Up to two semesters of the ensemble requirement may be met by Opera Workshop and Opera Mainstage (MUEP 356, MUEP 357) as accompanist or Recital Accompaniment (MUEP 321, MUEP 322).)</td>
</tr>
<tr>
<td>Bachelor of Music - Vocal Performance</td>
<td>Eight semesters in choral ensemble (Adjustments in the requirement may occur on the recommendation of the Voice Area Chair, the Choral Faculty, and the Performance Coordinator.)</td>
</tr>
<tr>
<td>Bachelor of Music in Composition, Music History and Literature, Elective Studies in an Outside Field, Pedagogy</td>
<td>Eight semesters on principal instrument</td>
</tr>
<tr>
<td>Bachelor of Music with Elective Studies in Theater</td>
<td>Each case will be examined individually to allow participation in Theater Workout.</td>
</tr>
<tr>
<td>Bachelor of Music Education</td>
<td>Eight semesters (BME students must participate on principal instrument for two years but are allowed to transfer from one music ensemble to another after two years. The Music Education degree allows for exemption from the music ensemble during the student teacher semester if scheduling constraints and workload mandate it.)</td>
</tr>
<tr>
<td>Bachelor of Arts in Music</td>
<td>Four semesters (two academic school years)</td>
</tr>
</tbody>
</table>

**MUEP 213. Women’s Chorale. (0 or 1 Credits)**
Open to all female students by audition. A performance ensemble engaging in and exploring choral literature for women's voices; performance experiences in diverse venues on and off campus. Graded pass/fail. (1 credit per year. Students register for 0 credits for fall semester and 1 credit for spring semester.)

**MUEP 214. Men’s Glee Club. (0 or 1 Credits)**
Open to all male students by audition. A performance ensemble engaging in and exploring choral literature for men’s voices; performance experiences in diverse venues on and off campus. Graded pass/fail. (1 credit per year. Students register for 0 credits for fall semester and 1 credit for spring semester.)

**MUEP 215. Concert Choir. (0 or 1 Credits)**
Open to all students by audition. A performance ensemble serving the undergraduate music curriculum with performance of choral literature of all musical styles and traditions; performance experiences in diverse venues on and off campus. Graded pass/fail. (1 credit per year. Students register for 0 credits for fall semester and 1 credit for spring semester.)

**MUEP 216. Symphonic Band. (0 or 1 Credits)**
Open to all students by audition. A performance ensemble engaging in and exploring band music; performance experiences in diverse venues on and off campus. Graded pass/fail. (1 credit per year. Students register for 0 credits for fall semester and 1 credit for spring semester.)

**MUEP 217. Symphony Orchestra. (0 or 1 Credits)**
Open to all students by audition. A performance ensemble engaging in and exploring orchestral music from the 18th century to the present; performance experiences in diverse venues on and off campus. Graded pass/fail. (1 credit per year. Students register for 0 credits for fall semester and 1 credit for spring semester. Exceptions will be handled administratively.)

**MUEP 218. Jazz Ensemble. (0 or 1 Credits)**
Open to all students by audition. For music majors, may only fulfill up to two hours (four semesters) of large ensemble requirement. Graded pass/fail. (1 credit per year. Students register for 0 credits for fall semester and 1 credit for spring semester.)

**MUEP 219. Recital & Concert Attendance. (0 Credits)**
Required of all music majors and minors. Repeated according to the requirements set forth in the Conservatory Handbook. Graded pass/fail. Fall, Spring

**MUEP 261. Opera Orchestra. (0 Credits)**
Instrumentalists accompany the Opera Music Mainstage production at the beginning of Spring semester. Corequisite: MUEP 213, 214, 215, 216, 217, or 218.

**MUEP 311. Studio Accompaniment. (1 to 2 Credits)**
Practical experience playing for lessons, related solo classes, general recitals, and juries with a variety of students and applied faculty. Prerequisite MUMS 313. 2-hour maximum for MUEP 311, 312, 321, 322 per academic year. May be repeated. (lin)

**MUEP 312. Studio Accompaniment. (1 to 2 Credits)**
Practical experience playing for lessons, related solo classes, general recitals, and juries with a variety of students and applied faculty. Prerequisite MUMS 313. 2-hour maximum for MUEP 311, 312, 321, 322 per academic year. May be repeated. (lin)

**MUEP 321. Recital Accompaniment. (1 to 2 Credits)**
Practical experience preparing and performing recitals with various instruments/voices. Prerequisite MUMS 313, MUEP 311, 312, or permission of instructor. 2-hour maximum for MUEP 311, 312, 321, 322 per academic year. May be repeated. (lin)

**MUEP 322. Recital Accompaniment. (1 to 2 Credits)**
Practical experience preparing and performing recitals with various instruments/voices. Prerequisite MUMS 313, MUEP 311, 312, or permission of instructor. 2-hour maximum for MUEP 311, 312, 321, 322 per academic year. May be repeated. (lin)

**MUEP 355. Opera Workshop. (2 Credits)**
Acting and improvisation for the singing actor. Includes basic stage movement and scene study. Offered each spring. Repetition encouraged. (lin)

**MUEP 357. Opera Mainstage. (2 Credits)**
A fully staged opera music theater production. Offered each fall. Includes short tours and run out performances where appropriate. Auditioned in the previous spring. Prerequisite MUEP 356 (or consent of instructor). Repetition encouraged. (lin)

**MUEP 358. Jazz Combo. (1 Credit)**
Trios, quartets, quintets, vocal or instrumental; emphasis on improvisation. May be repeated. Prerequisite: Consent of the instructor. (lin)
MUEP 371. Chamber Music. (0 to 1 Credits)
Performance opportunities in a variety of traditional and non-traditional instrumental combinations and media. Attention is given to the preparation of selected works, with an emphasis on public performance. Any course may be repeated. (lin). (Section 1) 371-1. Strings. (Section 2) 371-2. Piano. (Section 3) 371-3. Winds. (Section 4) 371-4. Brass. (Section 5) 371-5. Percussion Ensemble. (Section 6) 371-6. Piano Ensemble. (Section 7) 371-7. Mixed Ensemble.

MUEP 456. Advanced Scene Study. (1 Credit)
Advanced acting and improvisation for the singing actor. This course will guide students in the development and performance of advanced operatic repertoire. Meets requirement for one credit of chamber music. Prerequisites: MUEP 356 and 357 (lin)

Individual Performance Studies (MUIP)
Performance Studies combine the development of performance skills and techniques with a growing mastery of the complete repertory of each particular medium. In addition, work in analysis, improvisation, historical, and stylistic issues is integrated into lessons, rehearsals, and performances.

In private instruction, 2-4 hours may be earned in 13 lessons per semester. Where applicable, attendance at Studio Class is required for all music majors (B.A., B.M., B.M.E.). All lessons and rehearsals are spread over the entire span of the semester. Earning of credit is dependent upon completion of the requisite number of lessons, consistent practice, and artistic accomplishment of the repertory as outlined for each year’s level.

Students from departments other than music may begin at any technical and repertory level and may take lessons for elective credit not to exceed a total of 16 hours toward a degree. Private lessons may be taken on a pass/fail basis according to college policy. (The Financial Information section (p. 464) of this catalog furnishes information on lesson fees.) Students who are carrying 18 hours and add private lessons must pay the over-18-hours tuition fees, in addition to the Individual Performance fee.

Each instrument is indicated by section number as follows:

- **MUIP 100-level (2 cr):** Private Lessons for liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.
- **MUIP 200-level (2-4 cr):** Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion. Others may register only by permission of the appropriate instrumental area chair (keyboard, voice, strings, or winds-percussion).
- **MUIP 400-level (2-4 cr):** Private lessons for upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

### Liberal Arts Majors and Secondary Instrument

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUIP 101</td>
<td>Private Lessons: Piano</td>
<td>2</td>
</tr>
<tr>
<td>MUIP 102</td>
<td>Private Lessons: Organ</td>
<td>2</td>
</tr>
<tr>
<td>MUIP 103</td>
<td>Private Lessons: Harpsichord</td>
<td>2</td>
</tr>
<tr>
<td>MUIP 104</td>
<td>Private Lessons: Voice</td>
<td>2</td>
</tr>
<tr>
<td>MUIP 105</td>
<td>Private Lessons: Violin</td>
<td>2</td>
</tr>
<tr>
<td>MUIP 106</td>
<td>Private Lessons: Viola</td>
<td>2</td>
</tr>
<tr>
<td>MUIP 107</td>
<td>Private Lessons: Cello</td>
<td>2</td>
</tr>
<tr>
<td>MUIP 108</td>
<td>Private Lessons: String Bass</td>
<td>2</td>
</tr>
<tr>
<td>MUIP 109</td>
<td>Private Lessons: Trumpet</td>
<td>2</td>
</tr>
<tr>
<td>MUIP 110</td>
<td>Private Lessons: Horn</td>
<td>2</td>
</tr>
<tr>
<td>MUIP 111</td>
<td>Private Lessons: Trombone</td>
<td>2</td>
</tr>
<tr>
<td>MUIP 112</td>
<td>Private Lessons: Euphonium</td>
<td>2</td>
</tr>
<tr>
<td>MUIP 113</td>
<td>Private Lessons: Tuba</td>
<td>2</td>
</tr>
<tr>
<td>MUIP 114</td>
<td>Private Lessons: Flute</td>
<td>2</td>
</tr>
<tr>
<td>MUIP 115</td>
<td>Private Lessons: Clarinet</td>
<td>2</td>
</tr>
<tr>
<td>MUIP 116</td>
<td>Private Lessons: Oboe</td>
<td>2</td>
</tr>
<tr>
<td>MUIP 117</td>
<td>Private Lessons: Bassoon</td>
<td>2</td>
</tr>
<tr>
<td>MUIP 118</td>
<td>Private Lessons: Saxophone</td>
<td>2</td>
</tr>
<tr>
<td>MUIP 119</td>
<td>Private Lessons: Harp</td>
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<td>MUIP 120</td>
<td>Private Lessons: Percussion</td>
<td>2</td>
</tr>
<tr>
<td>MUIP 121</td>
<td>Private Lessons: Guitar</td>
<td>2</td>
</tr>
<tr>
<td>MUIP 122</td>
<td>Private Lessons: Jazz Guitar</td>
<td>2</td>
</tr>
<tr>
<td>MUIP 201</td>
<td>Private Lessons: Piano</td>
<td>2-4</td>
</tr>
<tr>
<td>MUIP 202</td>
<td>Private Lessons: Organ</td>
<td>2-4</td>
</tr>
<tr>
<td>MUIP 203</td>
<td>Private Lessons: Harpsichord</td>
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<td>MUIP 204</td>
<td>Private Lessons: Voice</td>
<td>2-4</td>
</tr>
<tr>
<td>MUIP 205</td>
<td>Private Lessons: Violin</td>
<td>2-4</td>
</tr>
<tr>
<td>MUIP 206</td>
<td>Private Lessons: Viola</td>
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<td>MUIP 207</td>
<td>Private Lessons: Cello</td>
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<td>MUIP 208</td>
<td>Private Lessons: String Bass</td>
<td>2-4</td>
</tr>
<tr>
<td>MUIP 209</td>
<td>Private Lessons: Trumpet</td>
<td>2-4</td>
</tr>
<tr>
<td>MUIP 210</td>
<td>Private Lessons: French Horn</td>
<td>2-4</td>
</tr>
<tr>
<td>MUIP 211</td>
<td>Private Lessons: Trombone</td>
<td>2-4</td>
</tr>
<tr>
<td>MUIP 212</td>
<td>Private Lessons: Euphonium</td>
<td>2-4</td>
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<tr>
<td>MUIP 213</td>
<td>Private Lessons: Tuba</td>
<td>2-4</td>
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<td>MUIP 214</td>
<td>Private Lessons: Flute</td>
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<tr>
<td>MUIP 215</td>
<td>Private Lessons: Clarinet</td>
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</tr>
<tr>
<td>MUIP 216</td>
<td>Private Lessons: Oboe</td>
<td>2-4</td>
</tr>
<tr>
<td>MUIP 217</td>
<td>Private Lessons: Bassoon</td>
<td>2-4</td>
</tr>
<tr>
<td>MUIP 218</td>
<td>Private Lessons: Saxophone</td>
<td>2-4</td>
</tr>
<tr>
<td>MUIP 219</td>
<td>Private Lessons: Harp</td>
<td>2-4</td>
</tr>
<tr>
<td>MUIP 220</td>
<td>Private Lessons: Percussion</td>
<td>2-4</td>
</tr>
<tr>
<td>MUIP 221</td>
<td>Private Lessons: Guitar</td>
<td>2-4</td>
</tr>
<tr>
<td>MUIP 222</td>
<td>Private Lessons: Jazz Guitar</td>
<td>2-4</td>
</tr>
<tr>
<td>MUIP 401</td>
<td>Private Lessons: Piano</td>
<td>2-4</td>
</tr>
<tr>
<td>MUIP 402</td>
<td>Private Lessons: Organ</td>
<td>2-4</td>
</tr>
<tr>
<td>MUIP 403</td>
<td>Private Lessons: Harpsichord</td>
<td>2-4</td>
</tr>
<tr>
<td>MUIP 404</td>
<td>Private Lessons: Voice</td>
<td>2-4</td>
</tr>
<tr>
<td>MUIP 405</td>
<td>Private Lessons: Violin</td>
<td>2-4</td>
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<tr>
<td>MUIP 406</td>
<td>Private Lessons: Viola</td>
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<tr>
<td>MUIP 407</td>
<td>Private Lessons: Cello</td>
<td>2-4</td>
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<tr>
<td>MUIP 408</td>
<td>Private Lessons: String Bass</td>
<td>2-4</td>
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<tr>
<td>MUIP 409</td>
<td>Private Lessons: Trumpet</td>
<td>2-4</td>
</tr>
<tr>
<td>MUIP 410</td>
<td>Private Lessons: French Horn</td>
<td>2-4</td>
</tr>
<tr>
<td>MUIP 411</td>
<td>Private Lessons: Trombone</td>
<td>2-4</td>
</tr>
<tr>
<td>MUIP 412</td>
<td>Private Lessons: Euphonium</td>
<td>2-4</td>
</tr>
<tr>
<td>MUIP 413</td>
<td>Private Lessons: Tubab</td>
<td>2-4</td>
</tr>
</tbody>
</table>
Students study with members of the Conservatory of Music faculty. In cases where a resident teacher is not available, a qualified off-campus teacher will be procured. Advanced notice is required if a lesson is to be missed. Lessons can be made up in cases of illness, other emergencies, or faculty schedule conflict. If practice requirements are not met, the grade will be lowered.

Minimum practice requirements for MUIP courses:

<table>
<thead>
<tr>
<th>Major</th>
<th>Credit</th>
<th>Lesson Length</th>
<th>Practice per week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liberal Arts Majors or Music Majors for secondary instrument:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B.A. Music Majors:</td>
<td>2 hours</td>
<td>30 minutes</td>
<td>6 hours</td>
</tr>
<tr>
<td>B.M. or B.M.E. Majors:</td>
<td>2 hours</td>
<td>60 minutes</td>
<td>6-9 hours (in consultation with teacher)</td>
</tr>
<tr>
<td></td>
<td>3 hours</td>
<td>60 minutes</td>
<td>12 hours</td>
</tr>
<tr>
<td></td>
<td>4 hours</td>
<td>60 minutes</td>
<td>18 hours</td>
</tr>
<tr>
<td>B.M. or B.M.E. Majors: Secondary Instrument</td>
<td>2 hours</td>
<td>30 minutes</td>
<td>6 hours</td>
</tr>
</tbody>
</table>

Practice rooms and instrument rentals are included in the Conservatory fee. No refunds are made when private lessons are dropped. See the Financial Information section (p. 464) for more information.

Performance Attainment Levels

**Primary Instrument Performance Levels.** Attainment levels for keyboard, voice, and orchestral instruments vary for each degree program. These are set by the respective area faculties and are available to each student upon entry into the program. Attainment levels for vocal and keyboard studies are listed in the Conservatory Handbook (https://www.wheaton.edu/wheaton-college-conservatory-of-music/conservatory-handbook).

**Basic Piano Performance Level.** A piano proficiency level is outlined for all Conservatory students and varies by degree program. Attainment levels for “Non-Piano Majors” are listed in the Conservatory Handbook (https://www.wheaton.edu/wheaton-college-conservatory-of-music/conservatory-handbook).

**MUIP 101. Private Lessons: Piano. (2 Credits)**
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

**MUIP 102. Private Lessons: Organ. (2 Credits)**
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

**MUIP 103. Private Lessons: Harpsichord. (2 Credits)**
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

**MUIP 104. Private Lessons: Voice. (2 Credits)**
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

**MUIP 105. Private Lessons: Violin. (2 Credits)**
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

**MUIP 106. Private Lessons: Viola. (2 Credits)**
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

**MUIP 107. Private Lessons: Cello. (2 Credits)**
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

**MUIP 108. Private Lessons: String Bass. (2 Credits)**
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

**MUIP 109. Private Lessons: Trumpet. (2 Credits)**
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

**MUIP 110. Private Lessons: Horn. (2 Credits)**
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

**MUIP 111. Private Lessons: Trombone. (2 Credits)**
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

**MUIP 112. Private Lessons: Euphonium. (2 Credits)**
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

**MUIP 113. Private Lessons: Tuba. (2 Credits)**
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

**MUIP 114. Private Lessons: Flute. (2 Credits)**
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

**MUIP 115. Private Lessons: Clarinet. (2 Credits)**
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.
MUIP 116. Private Lessons: Oboe. (2 Credits)
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

MUIP 117. Private Lessons: Bassoon. (2 Credits)
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

MUIP 118. Private Lessons: Saxophone. (2 Credits)
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

MUIP 119. Private Lessons: Harp. (2 Credits)
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

MUIP 120. Private Lessons: Percussion. (2 Credits)
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

MUIP 121. Private Lessons: Guitar. (2 Credits)
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

MUIP 122. Private Lessons: Jazz Guitar. (2 Credits)
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

MUIP 131. Small Group Piano Lessons. (1 Credit)
An introductory course for students without extensive formal piano study and those returning to piano study after an extended absence. Reading of music notation, terms, and symbols; basic keyboard theory, exploration of diverse repertory. Does not satisfy requirements of any music major. Consent of instructor required to insure proper placement. May be repeated for credit.

MUIP 141. Small Group Voice Lessons. (1 Credit)
An introductory course for students without extensive vocal training. Reading of music notation, basics of tone production, song preparation and stage presence. Singers practice vocal exercises (warm ups), and learn assigned songs. May be repeated for credit.

MUIP 201. Private Lessons: Piano. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 202. Private Lessons: Organ. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 203. Private Lessons: Harpsichord. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 204. Private Lessons: Voice. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 205. Private Lessons: Violin. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 206. Private Lessons: Viola. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 207. Private Lessons: Cello. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 208. Private Lessons: String Bass. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 209. Private Lessons: Trumpet. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 210. Private Lessons: French Horn. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 211. Private Lessons: Trombone. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 212. Private Lessons: Euphonium. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 213. Private Lessons: Tuba. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 214. Private Lessons: Flute. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 215. Private Lessons: Clarinet. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 216. Private Lessons: Oboe. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 217. Private Lessons: Bassoon. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 218. Private Lessons: Saxophone. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 219. Private Lessons: Harp. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 220. Private Lessons: Percussion. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 221. Private Lessons: Guitar. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 222. Private Lessons: Jazz Guitar. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 223. Class Piano I. (2 Credits)
Limited to music majors with minimal or no keyboard background needing to meet basic piano proficiency requirements.
MUIP 224. Class Piano II. (2 Credits)
Continuation of Class Piano I. Prerequisite: MUIP 223 or proficiency.

MUIP 225. Class Piano III. (2 Credits)
Continuation of Class Piano II. Prerequisite: MUIP 224 or proficiency.

MUIP 226. Class Piano IV. (2 Credits)
Continuation of Class Piano III. Prerequisite: MUIP 225 or proficiency.

MUIP 227. Class Piano V. (2 Credits)
Designed for music majors with previous background in piano who need assistance to meet basic piano requirements. Particular emphasis on technical development through study of scales, arpeggios, and chords; study of harmonization, reading, and performance also included. Prerequisite: MUIP 226 or proficiency.

MUIP 232. Collaborative Vocal Coaching. (2 Credits)
Established teams of singers and pianists receive in-depth training in practice, rehearsal and performance techniques, with emphasis on style, interpretation and collaboration. May be repeated.

MUIP 328. Organ Improvisation. (2 Credits)
Private organ lessons focusing on the art of classical improvisation. May be repeated.

MUIP 394. Junior Recital. (0 Credits)
Presentation of a required degree recital as set forth in the Conservatory handbook. Required for the junior performance major. Graded pass/fail. Offered Fall and Spring with permission of instructor.

MUIP 401. Private Lessons: Piano. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 402. Private Lessons: Organ. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 403. Private Lessons: Harpsichord. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 404. Private Lessons: Voice. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 405. Private Lessons: Violin. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 406. Private Lessons: Viola. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 407. Private Lessons: Cello. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 408. Private Lessons: String Bass. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 409. Private Lessons: Trumpet. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 410. Private Lessons: French Horn. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 411. Private Lessons: Trombone. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 412. Private Lessons: Euphonium. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 413. Private Lessons: Tuba. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 414. Private Lessons: Flute. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 415. Private Lessons: Clarinet. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 416. Private Lessons: Oboe. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 417. Private Lessons: Bassoon. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 418. Private Lessons: Saxophone. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 419. Private Lessons: Harp. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 420. Private Lessons: Percussion. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 421. Private Lessons: Guitar. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 422. Private Lessons: Jazz Guitar. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 492. Half Senior Recital. (0 Credits)
Presentation of a required degree recital as set forth in the Conservatory handbook. Required for senior Music Education majors and Elective Studies majors. Graded pass/fail. Offered Fall and Spring with permission of instructor.

MUIP 494. Full Senior Recital. (0 Credits)
Presentation of a required degree recital as set forth in the Conservatory handbook. Required for senior performance majors and composition majors. Graded pass/fail. Offered Fall and Spring with permission of instructor.

Methods Studies (MUMS)
The systematic study of techniques, methodology, and pedagogy is a fundamental part of overall musicianship. Depending upon the nature of the degree program chosen, an appropriate methods core is required. Additional course work may be elected by those for whom teaching and learning techniques are especially important. Certain courses may be offered as tutorials based on enrollment demands.
MUMS 101. Music Performance Seminar. (1 Credit)
This course is designed for students desiring thematic core credit for private lessons or large ensemble membership. The seminar invites students to examine the meaning of musical expression by way of a personal experience of the disciplines, practices, and techniques of musical performance, and how such musical expression relates to the Christian faith. Corequisite: The course runs concurrently with either private lessons in a specific instrument or membership in a large ensemble, together meeting the requirements of the Visual and Performing Arts thematic core. Instructor permission required. Cannot be repeated. Offered each semester, B Quad. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPAM.

MUMS 114. Introduction to Music Studies. (1 Credit)
Proficiency-based instruction and study to improve eye/hand coordination of those students with rudimentary keyboard skills, with the goal of more efficient learning, maximization of practice time, and preparation for ensemble work.

MUMS 115. Intro to Music Studies. (2 Credits)
An introduction to the study of music at the collegiate level, including foundational philosophical issues, the role of general education within professional music studies and fundamental approaches to the sub-disciplines within music. Offered Fall Semester only. (lin)

MUMS 141. English & Italian Diction. (2 Credits)
The physiology of diction; introduction to the International Phonetic Alphabet; study of Italian and English symbols and rules, interrelating diction and vocal technique; relationship of diction to dramatic and poetic elements of song texts. (lin)

MUMS 201. Principles of Music and Worship Ministry I. (4 Credits)
Introduction to principles and skills in preparation for music and worship planning and leadership. Attention will be given to best practices that contribute to a healthy and vital music ministry and worshipping community, including Biblical and theological foundations of worship, and overviews of administrative, musical, and pastoral tasks. Attention is given to worship leadership practices that contribute to the spiritual formation of a worshipping community. Emphasis on contemporary worship and music practices.

MUMS 202. Principles of Music and Worship Ministry II. (4 Credits)
A continuation of MUMS 201, building upon principles and skills for worship planning and leadership with particular attention to working with church staff, congregational pastoral duties, educational duties working with all age groups, development of choral music programs, and administrative duties such as developing performance calendars, preparing music budgets, and maintaining music libraries. Emphasis upon a broader range of worship and music styles. Prerequisite: MUMS 201 or permission of the instructor.

MUMS 211. Keyboard Leadership. (2 Credits)
This course will provide competent keyboardists with the practical skills necessary to explore creative areas outside of classical music, in a worship setting. Prerequisite: Permission of instructor.

MUMS 243. Italian Grammar for Singers. (2 Credits)
Emphasis on basic Italian grammar and vocabulary required to read libretti and other song texts. May not be used to fulfill general education foreign language requirement. Prerequisite: MUMS 141. (lin)

MUMS 245. French & German Diction. (2 Credits)
French and German diction using the International Phonetic Alphabet; continuing emphasis on accurate vowel production, articulation, and diction to develop uniformity, and artistic shaping of words and phrases; relationship of these to appropriate vocal literature. (lin)

MUMS 248. Basic Conducting. (3 Credits)
The development of basic conducting skills and competencies necessary for conducting. Concurrent enrollment in MUMS 346 required. Prerequisite: MUTC 171 or consent of instructor. (lin)

MUMS 255. Principles of Pedagogy I. (2 Credits)
Introduction to the philosophical and psychological foundation of teaching music; practical considerations in teaching private and group lessons. Offered fall semester only.

MUMS 261. Feldenkrais for Musicians. (1 Credit)
An introduction to the Feldenkrais Method, using Awareness Through Movement lessons developed by Moshe Feldenkrais to encourage freedom of movement and efficient body alignment, and address non-productive movement patterns that interfere with the healthy execution of musical skills.

MUMS 301. Acoustic Recording Techniques. (3 Credits)
Practical exploration of acoustic music recording techniques in Armerding Recording Studio, including classical and pop/rock recording methods. Emphasis will be placed on making appropriate engineering and production choices for musical contexts, to include microphone selection and placement, organization of studio recording sessions, and the use of ProTools software.

MUMS 311. Choral Conducting. (3 Credits)
Development of advanced conducting skills with particular focus on conducting choral ensembles. Emphasis on development of rehearsal techniques and score study methods. Concurrent enrollment in MUMS 346 required. Prerequisite: MUMS 248. (lin)

MUMS 312. Instrumental Conducting. (3 Credits)
Development of advanced conducting skills with particular focus on conducting instrumental ensembles: orchestra and band. Emphasis on development of rehearsal techniques and score study methods. Concurrent enrollment in MUMS 346 required. Prerequisite: MUMS 248. (lin)

MUMS 313. Piano Accompaniment. (2 Credits)
Analysis and practice in the art of keyboard accompaniment, with attention to basic vocal and instrumental literature; sight reading, transposition, clefs, and score reading; matters of style and performance practices. By permission of instructor. Alternate years; offered fall in odd years. (lin)
MUMS 321. Principles of Pedagogy II. (1 or 2 Credits) (Section 1) 321-1. Piano. Learning basic principles of teaching piano through the study of selected beginning and intermediate teaching materials and developing a working knowledge of those materials. Prerequisite: Achievement of freshman piano major level. (Section 2) 321-2. Voice. Teaching methods from scientific, artistic, and psychological viewpoints; a study of vocal technique. (Section 3) 321-3. Strings. Survey and critique of teaching materials for the violin, viola, and cello, from Leopold Mozart to the present day. Prerequisite: completion of one year of private study, or permission of instructor. (Section 4) 321-4. Brass. Survey and critique of teaching materials for brass instruments in the form of a tutorial. Unique sections will be offered for trumpet, horn, and low brass. (Section 5) 321-5. Percussion. Survey and critique of teaching materials for percussion instruments. (Section 6) 321-6. Woodwinds. Survey and critique of teaching materials for woodwinds in the form of a tutorial. Unique sections will be offered for flute, singe reeds, and double reeds. (Section 7) 321-7. Guitar. Survey and critique of teaching materials for the guitar in the form of a tutorial. (lin)

MUMS 332. African Music Education Seminar. (2 Credits) Focuses on aspects of specific African musical cultures and their integration with history, geography, and general culture of the African peoples. Cross-cultural issues are highlighted. Provides appropriate background studies for music students intending to travel to Africa. Concurrent enrollment in MUMS 332L required.

MUMS 332L. African Music Education Practicum. (1 Credit) African Music Education Practicum. Provides opportunity for music students to experience African music and culture first hand. Students will be primarily involved in cross-cultural exchanges in school contexts: public schools, slum schools, private schools, Christian schools, missionary schools, rural and urban contexts. By permission of the instructor. Graded pass/fail. Concurrent enrollment in MUMS 332 required.

MUMS 333. Music Outreach Practicum. (0 to 2 Credits) Practical experience in music servant-leadership through teaching, directing, performing, or composing music to serve a specific constituency outside the Conservatory of Music. (lin)

MUMS 341. Instrumental Techniques. (1 or 2 Credits) Instruction in the instruments of the band and orchestra in preparation for teaching elementary and secondary instrumental music. Methods of tone production. Development of technical facility and understanding of pedagogical principles involved. 341-1 High Strings (1 credit, A quad); 341-2 Low Strings (1 credit, B quad); 341-3 Woodwind (2 credits, lin); 341-4 Brass (2 credits, lin); 341-5 Percussion (2 credits, lin); 341-6 Guitar (1 credit, lin). Fees vary.

MUMS 342. Vocal Techniques. (1 Credit) Techniques of vocal production, the function of the voice, and application of these concepts to choral singing; special emphasis on the training of young and maturing voices. Offered fall semester only. (lin)

MUMS 343. Piano & Vocal Techniques for Composers. (2 Credits) A detailed study of piano and vocal writing, with special emphasis on practical applications through compositional projects. Primary focuses include performance techniques, poetry and text setting, notation, and development of the student's singing voice. Prerequisite: MUTC 122 or consent of instructor. Alternate years; offered fall in even years. (lin)

MUMS 344. Percussion Techniques for Composers. (2 Credits) A survey of percussion instruments and basic performance techniques, notation issues, and percussion literature, with special emphasis on practical applications through compositional projects. Prerequisite: MUTC 122 or consent of instructor. Alternate years; offered fall in odd years. (lin)

MUMS 346. Conducting Lab. (0 Credits) Provides students a music ensemble with which to practice their conducting skills with comments from the instructors. Required of students enrolled in Basic Conducting (MUMS 248), Choral Conducting, (MUMS 311) or Instrumental Conducting (MUMS 312). Graded pass/fail. (lin)

MUMS 349. Organ Service Playing Techniques and Teaching. (3 Credits) Musicianship for the church organist. Hymn-playing, accompanying, improvisation, conducting from the console, playing various liturgical and non-liturgical services, teaching organ. Required of Bachelor of Music organ majors; open to others by permission of instructor. Alternate years; offered fall in even years. (lin)

MUMS 355. Group Pedagogy. (3 Credits) Adaptation of music methods and materials for age-specific and instrument-specific group classes of music students. Group dynamics and management techniques are explored. Prerequisites: MUMS 255 or by approval. Alternate years; offered spring in odd years (lin)

MUMS 356. Studio Administration. (2 Credits) Organization, facilities and business procedures for setting up a private music studio; strategies for promotion, recruitment, and retention of students, portfolio development, personal ethics and professional growth. Prerequisite: MUMS 255 or by approval. Alternate years; offered spring in even years.

MUMS 372. Principles of Pedagogy: Suzuki I. (2 Credits) A study and application of the philosophies of teaching and playing the violin/viola using the Suzuki Method in its foundational level (this satisfies Suzuki Association of America’s level 1A). Suzuki Literature Book One will be memorized, performed, and analyzed for teaching points. Alternate years; offered fall in even years. (lin)

MUMS 373. Principles of Pedagogy: Suzuki II. (2 Credits) A study of violin and viola pedagogy and related topics building on the foundation of Pedagogy I (MUMS 372), a prerequisite. Suzuki Literature Book Two will be memorized, performed, and analyzed for teaching points. Alternate years; offered spring in odd years. Prerequisite: MUMS 372. (lin)

MUMS 385. Applied Pedagogy I. (2 Credits) The culmination of the pedagogy track in which students will be mentored by an experienced teacher in an internship relationship. Students will be responsible for teaching other non-college-age students, observing their mentor-teacher, and consulting weekly. Prerequisites: MUMS 255 and MUMS 321 or 372. Offered fall semester only. (lin)

MUMS 411. Music In Special Education. (2 Credits) Addresses the instructional needs and characteristics of students with disabilities that are in today's classrooms; an overview of the legal basis for special education students in the classroom; aspects of writing special education lesson plans and Individualized Educational Plans (IEP); and the multidisciplinary approach to teaching in special education. Alternate years; offered spring in even years.
MUMS 421. Honors Conducting. (0 to 1 Credits)
For students who demonstrate a superior skill in conducting; by permission of choral or instrumental large ensemble director. Study, rehearse, and conduct music under supervision of large ensemble director. By permission of the instructor. Prerequisites: MUMS 311 or 312.

MUMS 455. Applied Pedagogy II. (2 Credits)
A continuation and extension of Applied Pedagogy I. Prerequisites: MUMS 255, 321, 385. Offered spring semester only. (lin)

MUMS 471. Choral Methods. (2 Credits)
Organization of instruction in choral music for the junior and senior high school. Methods of tone production and development; classification and placement of singers; style, interpretation, balance, blend, rehearsal procedures, and ensemble management. Concurrent enrollment in MUMS 471L required. (lin)

MUMS 471L. Choral Methods Practicum. (1 Credit)
A teacher-aiding experience in a local school during the semester. Concurrent with MUMS 471. Graded pass/fail. (lin)

MUMS 472. Instrumental Methods. (2 Credits)
Organization of instruction in school instrumental music. Recruitment and teaching techniques, administrative responsibilities, and instructional materials for orchestra, concert and marching bands, and jazz band. Concurrent enrollment in MUMS 472L required. (lin)

MUMS 472L. Instrumental Methods Practicum. (1 Credit)
A teacher-aiding experience in a local school during the semester. Concurrent with MUMS 472. Graded pass/fail. (lin)

MUMS 473. Elementary School Music. (2 Credits)
Methods and materials for teaching general music from kindergarten through middle school. Integration of Orff, Kodaly, and Dalcroze concepts and techniques. Skills in recorder playing and Orff instruments. Study of curriculum, lesson planning, and evaluation. Concurrent enrollment in MUMS 473L required. Prerequisites: MUTC 171, MUCS 101 or equivalent. (lin)

MUMS 473L. Elementary School Music Practicum. (1 Credit)
A teaching experience in a local school during the semester. Concurrent with MUMS 473. Graded pass/fail. (lin)

MUMS 485. Opera Mainstage Honors Directing. (2 Credits)
Assistant directing and/or production management for Opera Mainstage (MUEP 357) or scene directing for Opera Workshop (MUEP 356). Offered each semester, by consent of instructor. Meets one semester of large ensemble credit. Repetition encouraged. (lin)

MUMS 495. Directed Study. (1 to 4 Credits)
Directed Study. (Fees vary) (lin)

MUMS 496. Internship. (2 to 4 Credits)
Prerequisites: Junior classification and permission of the Conservatory Director of Music Education. Elective Studies majors must have completed 18 hours of their elective concentration. Graded pass/fail. May be repeated. (lin)

Music Theory & Composition (MUTC)
MUTC courses focus on the development of musical literacy, general musicianship skills, critical listening abilities, analytical understanding, and compositional craftsmanship. The core music theory sequence is designed to enhance students' understanding of the structural principles, techniques, and terminology of Western concert music, while the aural skills sequence cultivates practical musicianship skills and analytical listening. The composition curriculum emphasizes creative writing in contemporary classical styles, as well as fluency in music notation and the use of digital audio software.

MUTC 101. Introduction to Music: Reading, Writing, and Analysis. (2 Credits)
This course introduces students to fundamental concepts such as notation, rhythm, meter, timbre, pitch, scales, keys, intervals, and chords. This is achieved through the formal study of music theory; critical listening (including non-Western, popular, folk, and Western classical genres); engaging reading about faith, culture and race as it relates to music; and music composition. In this course, the student will learn listening strategies, methods of musical criticism, the nature and significance of personal creativity, the various roles that music can play in the life of the individual Christian, the church and culture. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPAM.

Tags: VPAM

MUTC 111. Music Notation. (2 Credits)
Introduction to the principles of traditional music notation. Participants are taught to notate music accurately and neatly both by hand and using Finale notation software. Prerequisite: The ability to read music. Offered fall semester only. (lin)

MUTC 122. Introduction to Composition. (2 Credits)
Examination of fundamental practical, spiritual, and philosophical issues relating to music composition. Participants study the basic elements of compositional craftsmanship, including pitch and rhythmic organization, melodic construction, harmonic progression, texture, developmental techniques, formal organization, instrumentation, and notation. Additional topics include the nature and significance of personal creativity, the functions of music in society and the church, measures of artistic quality, musical meaning, musical style, the creative process, and composition as a career. Participants will complete a number of short composition exercises, followed by a complete composition of moderate length. Prerequisite: MUTC 111 or consent of instructor. Offered spring semester only. (lin)

MUTC 151. Music Theory I. (3 Credits)
Diatonic harmony in repertoire from the Common Practice Period. Topics include intervals, species counterpoint, diatonic triads, diatonic seventh chords, harmonic analysis, voice leading, and non-chord tones. Prerequisite: Passing grade on music fundamentals exam, grade of C or higher in MUTC 101, or consent of instructor. Offered fall semester only. (lin)

MUTC 152. Aural Skills I. (1 Credit)
Development of analytical listening abilities and practical musicianship skills. Emphases include treble- and bass-clef sight-singing, rhythm recitation, basic conducting, meter identification, scale identification, instrument identification, rhythmic dictation, and melodic dictation using diatonic excerpts in conventional meters. Prerequisite: Passing grade on music fundamentals exam, grade of C or higher in MUTC 101, or consent of instructor. Offered fall semester only. (lin)

MUTC 171. Music Theory II. (3 Credits)
Chromatic harmony in repertoire from the Common Practice Period. Topics include secondary-function chords, tonizations, modulations, modal mixture, Neapolitan chords, augmented sixth chords, and enharmonicism. Prerequisite: Minimum grade of C in MUTC 151 or consent of instructor. Offered spring semester only. (lin)
MUTC 172. Aural Skills II. (1 Credit)
Continued development of analytical listening abilities and practical musicianship skills. Emphases include treble, bass, and alto-clef sight-singing, rhythm recitation, rhythmic dictation, and melodic dictation using diatonic excerpts in conventional meters. Prerequisite: Minimum grade of C in MUTC 152. (lin)

MUTC 231. Composition I. (2 Credits)
Continued emphasis on the basic elements of compositional craftsmanship, including pitch and rhythmic organization, melodic construction, harmonic progression, texture, developmental techniques, formal organization, instrumentation, and notation. Participants will complete a number of short composition exercises, followed by a complete composition of moderate length. Prerequisite: MUTC 122 or consent of instructor. Offered fall semester only. (lin)

MUTC 232. Composition II. (2 Credits)
Continued emphasis on the basic elements of compositional craftsmanship, including pitch and rhythmic organization, melodic construction, harmonic progression, texture, developmental techniques, formal organization, instrumentation, and notation. Assignments are related to the interests and needs of the individual student. Prerequisite: MUTC 231 or consent of instructor. Offered spring semester only. (lin)

MUTC 233. Digital Music Technology I. (2 Credits)
Exploration of the Digital Audio Workstation, including MIDI sequencing, audio recording, sampling, and sound design. Emphasis is placed on using technology in a musical way. Offered fall semester only. (lin)

MUTC 241. Music Theory III. (2 Credits)
Large-scale form in repertoire from the Common Practice Period. Topics include phrase structure, binary forms, ternary forms, variation forms, rondo forms, sonata forms, vocal forms, and fugues. Prerequisite: Minimum grade of C in MUTC 171 or consent of instructor. Offered fall semester only. (lin)

MUTC 251. Music Theory III. (3 Credits)
(for catalogs before 2011) Provides a detailed examination of musical vocabularies of the late 19th century to the present. Extensions of tonality, new developments in rhythm, atonality and serialism, set theory, notational innovations, assumptions and practices of the avant-garde. (lin)

MUTC 252. Aural Skills III. (1 Credit)
Continued development of analytical listening abilities and practical musicianship skills. Emphases include treble, bass, alto, and tenor-clef sight-singing, rhythm recitation, rhythmic dictation, melodic dictation, harmonic dictation, and formal analysis using highly chromatic and modulating excerpts in conventional meters. Prerequisite: Minimum grade of C in MUTC 172 or consent of instructor. Offered fall semester only. (lin)

MUTC 261. Music Theory IV. (3 Credits)
Analysis of twentieth-century and contemporary music. Topics include impressionism, atonality, pitch-class set theory, serialism, and indeterminacy, as well as various developments in rhythm, melody, harmony, timbre, texture, form, and notation. Prerequisite: Minimum grade of C in MUTC 171 or consent of instructor. Offered spring semester only. (lin)

MUTC 272. Aural Skills IV. (1 Credit)
Continued development of analytical listening abilities and practical musicianship skills. Emphases include treble, bass-, alto-, and tenor-clef sight-singing, rhythm recitation, rhythmic dictation, melodic dictation, harmonic dictation, and formal analysis using highly chromatic and modulating excerpts in conventional meters. Prerequisite: Minimum grade of C in MUTC 252 or consent of instructor. Offered spring semester only. (lin)

MUTC 311. Intermediate Composition. (2 Credits)
Private 60-minute composition lessons. Assignments are related to the interests and needs of the individual student, and students are expected to spend a minimum of 6 hours per week on composition. Prerequisite: MUTC 232 or consent of instructor. May be repeated for credit. (lin)

MUTC 333. Digital Music Technology II. (2 Credits)
Continued exploration of the Digital Audio Workstation with a focus on ways of creatively using technology for original electro-acoustic composition. Prerequisite: MUTC 233 or consent of instructor. Offered spring semester only. (lin)

MUTC 343. Jazz Theory. (2 Credits)
Practical studies of extended chords, voicings, progressions, melodic and rhythmic development, and formal structures, with application to composition and improvisation in jazz styles. Prerequisite: MUTC 171 or consent of instructor. Offered spring semester only.

MUTC 353. Modal Counterpoint. (2 Credits)
Analysis and composition in the sixteenth-century contrapuntal style. Prereq: Minimum grade of C in MUTC 241 or consent of instructor. Alternate years; offered spring in odd years. (lin)

MUTC 354. Tonal Counterpoint. (2 Credits)
Analysis and composition in the eighteenth-century contrapuntal style. Prereq: Minimum grade of C in MUTC 241 or consent of instructor. Alternate years; offered spring in even years. (lin)

MUTC 355. Orchestration. (2 Credits)
A study of instrumentation, orchestration, and score analysis, including scoring and transcribing for various large and small ensembles. Prerequisite: MUTC 171 or consent of instructor. Offered fall semester only. (lin)

MUTC 356. Arranging. (2 Credits)
Melodic and textural variation, harmonic substitution, and modulatory techniques, with exercises in a variety of styles and genres. Alternate years; offered spring in odd years. Prerequisite: MUTC 171 or consent of instructor. (lin)

MUTC 364. The Improvising Musician. (2 Credits)
A practical introduction to improvisational techniques in a variety of styles and genres, including an exploration of the theological, psychological, and musical foundations of improvisation. Prerequisite: MUTC 171 or consent of instructor. Offered spring semester only. (lin)

MUTC 389. Special Topics in Music Theory. (2 Credits)
Exploration of an advanced music theory or analysis topic. Subjects change on a yearly basis. Prerequisite: MUTC 171 or consent of instructor. Offered spring semester only.

MUTC 451. Advanced Composition. (3 Credits)
Private 60-minute composition lessons. Assignments are related to the interests and needs of the individual student, and students are expected to spend a minimum of 9 hours per week on composition. Prerequisite: Two semesters of MUTC 331 or consent of instructor. May be repeated for credit. (lin)
MUTC 495. Directed Study. (1 to 4 Credits)
Independent study in music theory, aural skills, composition, or a related field. (Fees vary) (lin)
Music, Bachelor of Music in Performance

The Bachelor of Music degree in Performance provides comprehensive music training that encourages the formation of performing artists capable of meaningful contributions to society and the church. The four-year curriculum with a major in piano, organ, voice, or orchestral instrument is designed for those who are contemplating a variety of graduate programs or careers in music.

Requirements

Students are required to complete the General Education requirements (p. 230) (normally 32 hours) and all Graduation Requirements (p. 29). Total hours required for degree: 124 hours minimum.

In order to meet all major requirements, hours needed may exceed 124.

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<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>MUIP</td>
<td>Individual Performance</td>
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<td>MUIP</td>
<td>Select 24 credits from MUIP 201 - MUIP 422 in primary instrument</td>
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<td>MUTC</td>
<td>Music Theory &amp; Composition</td>
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<td>MUTC 151</td>
<td>Music Theory I</td>
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<tr>
<td>MUCS 261</td>
<td>Music Before 1600</td>
<td>2</td>
</tr>
<tr>
<td>MUCS 262</td>
<td>Baroque and Classical Music Eras</td>
<td>4</td>
</tr>
<tr>
<td>MUCS 263</td>
<td>Nineteenth-Century Music</td>
<td>2</td>
</tr>
<tr>
<td>MUCS 264</td>
<td>World Music</td>
<td>2</td>
</tr>
<tr>
<td>MUCS 361</td>
<td>Twentieth-Century Music</td>
<td>4</td>
</tr>
<tr>
<td>MUCS 494</td>
<td>Senior Capstone</td>
<td>2</td>
</tr>
<tr>
<td>MUCS 323, 324, 326, 327, 328, 329 (2 hrs Literature of the Instrument)</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>MUMS</td>
<td>Methods Studies - Voice Majors: 15 credits; Organ Majors: 10; All others: 9</td>
<td>15, 10, 9</td>
</tr>
<tr>
<td>MUMS 115</td>
<td>Intro to Music Studies</td>
<td>2</td>
</tr>
<tr>
<td>MUMS 248</td>
<td>Basic Conducting</td>
<td>3</td>
</tr>
<tr>
<td>MUMS 346</td>
<td>&amp; Conducting Lab</td>
<td></td>
</tr>
<tr>
<td>MUMS 255</td>
<td>Principles of Pedagogy I</td>
<td>2</td>
</tr>
<tr>
<td>MUMS 321</td>
<td>Principles of Pedagogy II (not required of Organ majors)</td>
<td>2</td>
</tr>
<tr>
<td>MUMS 349</td>
<td>Organ Service Playing Techniques and Teaching (Organ Majors)</td>
<td>3</td>
</tr>
<tr>
<td>MUEP</td>
<td>Ensemble Performance</td>
<td>8</td>
</tr>
<tr>
<td>MUEP 213, 214, 215, 216, 217, 218 (Large Ensemble, 8 semesters)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>MUEP 356, 357, 358, 371 (Chamber Music)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>MUCS, MUMS</td>
<td>Electives from MUCS, MUMS</td>
<td>8</td>
</tr>
</tbody>
</table>

Select 3-11 credits (Voice Majors: 3 credits; Organ Majors: 9 credits; All others: 11 credits)

Voice Majors only:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUMS 141</td>
<td>English &amp; Italian Diction</td>
<td>2</td>
</tr>
<tr>
<td>MUMS 245</td>
<td>French &amp; German Diction</td>
<td>2</td>
</tr>
<tr>
<td>MUMS 243</td>
<td>Italian Grammar for Singers</td>
<td>2</td>
</tr>
<tr>
<td>MUEP</td>
<td>Remaining electives</td>
<td>2</td>
</tr>
<tr>
<td>MUEP 219</td>
<td>Recital &amp; Concert Attendance (eight semesters)</td>
<td>0</td>
</tr>
<tr>
<td>MUCS, MUMS</td>
<td>Free Electives (may include music courses)</td>
<td>3, 9, 11</td>
</tr>
</tbody>
</table>

1 Select courses tab and go to Individual Performance Studies (MUIP (p. 232)) for course listings.
3 In order to meet all degree requirements, hours needed may exceed 124 hours.

Music, Bachelor of Music in Composition

The Bachelor of Music degree in Composition provides comprehensive training aimed at the development of skills and imagination necessary to create compelling music in a variety of professional contexts, as well as in the church and community. The program encourages an openness to diverse styles and genres, and emphasizes growth in craft and purposeful creativity. Resources include a state-of-the-art Digital Music Studio. Concerts of student works are presented at the end of each semester, and a full composition recital is required in the senior year.

Requirements

Students are required to complete the General Education requirements (p. 230) (normally 32 hours) and all Graduation Requirements (p. 29). Total hours required for degree: 124 hours minimum.

In order to meet all major requirements, hours needed may exceed 124.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUAL</td>
<td>Music Theory &amp; Composition</td>
<td>45</td>
</tr>
<tr>
<td>MUAL 151</td>
<td>Music Theory I</td>
<td>3</td>
</tr>
<tr>
<td>MUAL 171</td>
<td>Music Theory II</td>
<td>3</td>
</tr>
<tr>
<td>MUAL 241</td>
<td>Music Theory III</td>
<td>2</td>
</tr>
</tbody>
</table>

Voice Majors only:
### Music, Bachelor of Music Education

The Bachelor of Music Education degree provides comprehensive music and professional training aimed toward teaching K-12 music in public or private schools. Music education study encourages the formation of school music teachers who will be agents of change, employing effective instructional strategies while imparting a broad scope of musical practice and cultural distinctiveness. This degree program meets the requirements for an Initial Special (K-12) license in the State of Illinois. Minor program changes may occur due to state requirements. Reciprocal licensure is possible in many states.

#### Requirements

Students are required to complete the General Education requirements (p. 230) and all Graduation Requirements (p. 29). Total hours required for degree: 124 hours minimum.

In order to meet all major requirements, hours needed may exceed 124.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUTC 261</td>
<td>Music Theory IV</td>
<td>3</td>
</tr>
<tr>
<td>Aural Skills 1-4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUTC 152</td>
<td>Aural Skills I</td>
<td>1</td>
</tr>
<tr>
<td>MUTC 172</td>
<td>Aural Skills II</td>
<td>1</td>
</tr>
<tr>
<td>MUTC 252</td>
<td>Aural Skills III</td>
<td>1</td>
</tr>
<tr>
<td>MUTC 272</td>
<td>Aural Skills IV</td>
<td>1</td>
</tr>
<tr>
<td>Choose an MUTC Elective: MUTC 343, 364, 389</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>MUTC 111</td>
<td>Music Notation</td>
<td>2</td>
</tr>
<tr>
<td>Composition (16 hours)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUTC 122</td>
<td>Introduction to Composition</td>
<td>2</td>
</tr>
<tr>
<td>MUTC 231</td>
<td>Composition I</td>
<td>2</td>
</tr>
<tr>
<td>MUTC 232</td>
<td>Composition II</td>
<td>2</td>
</tr>
<tr>
<td>MUTC 331</td>
<td>Intermediate Composition</td>
<td>4</td>
</tr>
<tr>
<td>MUTC 451</td>
<td>Advanced Composition</td>
<td>6</td>
</tr>
<tr>
<td>MUTC 353</td>
<td>Modal Counterpoint</td>
<td>2</td>
</tr>
<tr>
<td>or MUTC 354</td>
<td>Tonal Counterpoint</td>
<td>2</td>
</tr>
<tr>
<td>MUTC 355</td>
<td>Orchestration</td>
<td>2</td>
</tr>
<tr>
<td>MUTC 356</td>
<td>Arranging</td>
<td>2</td>
</tr>
<tr>
<td>MUTC 233</td>
<td>Digital Music Technology I</td>
<td>2</td>
</tr>
<tr>
<td>MUTC 333</td>
<td>Digital Music Technology II</td>
<td>2</td>
</tr>
<tr>
<td>Context Studies (MUCS)</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>MUCS 261</td>
<td>Music Before 1600</td>
<td>2</td>
</tr>
<tr>
<td>MUCS 262</td>
<td>Baroque and Classical Music Eras</td>
<td>4</td>
</tr>
<tr>
<td>MUCS 263</td>
<td>Nineteenth-Century Music</td>
<td>2</td>
</tr>
<tr>
<td>MUCS 264</td>
<td>World Music</td>
<td>2</td>
</tr>
<tr>
<td>MUCS 361</td>
<td>Twentieth-Century Music</td>
<td>4</td>
</tr>
<tr>
<td>MUCS 494</td>
<td>Senior Capstone</td>
<td>2</td>
</tr>
<tr>
<td>Methods Studies (MUMS)</td>
<td>21</td>
<td></td>
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<tr>
<td>MUMS 115</td>
<td>Intro to Music Studies</td>
<td>2</td>
</tr>
<tr>
<td>MUMS 248 &amp; MUMS 346</td>
<td>Basic Conducting &amp; Conducting Lab</td>
<td>3</td>
</tr>
<tr>
<td>MUMS 343</td>
<td>Piano &amp; Vocal Techniques for Composers</td>
<td>2</td>
</tr>
<tr>
<td>MUMS 344</td>
<td>Percussion Techniques for Composers</td>
<td>2</td>
</tr>
<tr>
<td>Individual Performance (MUIP)</td>
<td>10</td>
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</tr>
<tr>
<td>Select 10 credits from MUIP 201 - MUIP 422 in Primary Instrument</td>
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<td></td>
</tr>
<tr>
<td>Ensemble Performance (MUEP)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>MUEP 213, 214, 215, 216, 217, 218 (Large Ensemble, 8 semesters)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recital and Concert Attendance</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>MUEP 219</td>
<td>Recital &amp; Concert Attendance (8 semesters)</td>
<td>0</td>
</tr>
<tr>
<td>Music Electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select any music course(s) other than MUCS 101, 102, 103 or MUTC 101</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Free Electives (may include music courses)</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>Full Senior Recital</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUIP 494</td>
<td>Full Senior Recital</td>
<td>0</td>
</tr>
<tr>
<td>Piano Proficiency - Consult Conservatory Handbook</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Hours required for degree</td>
<td>124 hours minimum</td>
<td></td>
</tr>
</tbody>
</table>

1. Select courses tab and go to Individual Performance Studies (MUIP (p. 232)) for course listings.
3. In order to meet all degree requirements, hours needed may exceed 124 hours.
B. Vocal Primary Instrument Emphasis

Select 7 credits from the following:

- MUMS 141 English & Italian Diction
- MUMS 245 French & German Diction
- MUMS 341 Instrumental Techniques (sections 1 - 6)

Elementary School Music/Practicum

MUMS 473 & 473L Elementary School Music and Elementary School Music Practicum 3

Choose a 3 hour practicum:

- MUMS 471 & 471L Choral Methods and Choral Methods Practicum 3
  - or MUMS 472 & 472L Instrumental Methods and Instrumental Methods Practicum

Music Electives

Select 3 credits in MUCS, MUMS, or MUTC 3

Professional Education (EDUC) 27

EDUC 135 School & Society 2

EDUC 136 Teaching Ethnically and Linguistically Diverse Students and Cross-cultural Tutoring 3

EDUC 225 & 225L Learning and Development: The Psychological and Developmental Contexts of Education and Teacher Aiding Practicum 5

EDUC 497 Philosophical Foundations of Education 3

EDUC 305 & 305L Learning Differences and Learning Differences Practicum 3

EDUC 494 Senior Seminar 2

EDUC 496 Student Teaching 9

Individual Performance (MUIP) 14

Select 14 credits from MUIP 201 - MUIP 422 in Primary Instrument (2 credits may be met by piano or voice lessons to meet proficiency) 1

Ensemble Performance (MUEP) 3

Select 3 credits (MUEP 213, 214, 215, 216, 217, 218) in Large Ensemble (Every semester, except student teaching semester, up to eight semesters)

Recital and Concert Attendance (MUEP) 0

MUEP 219 Recital & Concert Attendance (Every semester, except student teaching semester, up to eight semesters)

Additional Requirements

MUIP 492 Half Senior Recital 0

Proficiency in piano and voice (credit may be earned in MUIP) 2

Admission to WheTEP (Wheaton Teacher Education Program) 3

Illinois Test of Academic Proficiency (TAP)

Illinois Content Area Exam

Illinois Assessment of Professional Teaching Exam

Total Hours required for degree 4 124

1. Select courses tab and go to Individual Performance Studies (MUIP (p. 232)) for course listings.
3. WheTEP (https://www.wheaton.edu/academics/programs/education) program
4. In order to meet all degree requirements, hours needed may exceed 124 hours.

Music, Bachelor of Music in History and Literature

The Bachelor of Music degree in Music History and Literature provides comprehensive music training aimed toward further study in musicology or related fields and encourages the formation of a diverse approach to music scholarship. The Music History and Literature degree prepares students for entrance into graduate programs and careers in musicology and college teaching, in addition to music criticism, broadcasting, publishing, and library/archival science.

Requirements

Students are required to complete the General Education requirements (p. 230) (normally 32 hours) and all Graduation Requirements (p. 29). Total hours required for degree: 124 hours minimum.

In order to meet all major requirements, hours needed may exceed 124.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUCS 261</td>
<td>Music Before 1600</td>
<td>2</td>
</tr>
<tr>
<td>MUCS 262</td>
<td>Baroque and Classical Music Eras</td>
<td>4</td>
</tr>
<tr>
<td>MUCS 263</td>
<td>Nineteenth-Century Music</td>
<td>2</td>
</tr>
<tr>
<td>MUCS 264</td>
<td>World Music</td>
<td>2</td>
</tr>
<tr>
<td>MUCS 361</td>
<td>Twentieth-Century Music</td>
<td>4</td>
</tr>
<tr>
<td>MUCS 433</td>
<td>Style Analysis</td>
<td>2</td>
</tr>
<tr>
<td>MUCS 494</td>
<td>Senior Capstone</td>
<td>2</td>
</tr>
<tr>
<td>MUCS 363</td>
<td>Introduction to Music Research and Bibliography</td>
<td>2</td>
</tr>
<tr>
<td>MUCS Electives</td>
<td></td>
<td>6</td>
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<tr>
<td>MUCS 495</td>
<td>Directed Study (Senior Document)</td>
<td>2</td>
</tr>
</tbody>
</table>

Music Theory & Composition (MUTC) 19

Music Theory 1-4

MUTC 151 | Music Theory I | 3 |
| MUTC 171 | Music Theory II | 3 |
| MUTC 241 | Music Theory III | 2 |
| MUTC 261 | Music Theory IV | 3 |

Aural Skills 1-4

MUTC 152 | Aural Skills I | 1 |
| MUTC 172 | Aural Skills II | 1 |
| MUTC 252 | Aural Skills III | 1 |
| MUTC 272 | Aural Skills IV | 1 |

Counterpoint

MUTC 353 | Modal Counterpoint | 2 |
| or MUTC 354 | Tonal Counterpoint | 2 |
Music, Bachelor of Music with Elective Studies in an Outside Field

The Bachelor of Music degree with Elective Studies in an Outside Field provides comprehensive music training with focused study in a separate discipline. This degree assists the student in integrating interests beyond music and encourages the development of breadth and diversity in the arts and in the complementary discipline. The following elective fields are available:

- Biblical and Theological Studies
- Business
- Christian Education and Ministry
- English
- Media
- Pre-Health Studies
- Pre-Law Studies
- Psychology
- Theater
- Third World Studies
- Urban Studies
- Alternate Field

Requirements

Students are required to complete the General Education requirements (p. 230) (normally 32 hours) and all Graduation Requirements (p. 29). Total hours required for degree: 124 hours minimum.

In order to meet all major requirements, hours needed may exceed 124.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUTC</td>
<td>Music Theory &amp; Composition (MUTC)</td>
<td>15</td>
</tr>
<tr>
<td>MUTC 151</td>
<td>Music Theory I</td>
<td>3</td>
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<tr>
<td>MUTC 171</td>
<td>Music Theory II</td>
<td>3</td>
</tr>
<tr>
<td>MUTC 241</td>
<td>Music Theory III</td>
<td>2</td>
</tr>
<tr>
<td>MUTC 261</td>
<td>Music Theory IV</td>
<td>3</td>
</tr>
<tr>
<td>MUTC 152</td>
<td>Aural Skills I</td>
<td>1</td>
</tr>
<tr>
<td>MUTC 172</td>
<td>Aural Skills II</td>
<td>1</td>
</tr>
<tr>
<td>MUTC 252</td>
<td>Aural Skills III</td>
<td>1</td>
</tr>
<tr>
<td>MUTC 272</td>
<td>Aural Skills IV</td>
<td>1</td>
</tr>
</tbody>
</table>

Context Studies (MUCS) 14-16

- MUCS 261 | Music Before 1600                        | 2       |
- MUCS 262 | Baroque and Classical Music Eras         | 4       |
- MUCS 263 | Nineteenth-Century Music                 | 2       |
- MUCS 264 | World Music                              | 2       |
- MUCS 361 | Twentieth-Century Music                  | 4       |
- MUCS 494 | Senior Capstone (not required for Third World Studies) | 2 |

Methods Studies (MUMS) 5-7

- MUMS 115 | Intro to Music Studies                   | 2       |
- MUMS 248 | Basic Conducting                        | 3       |
- MUMS 346 | and Conducting Lab                      |         |
- MUMS 473 | Elementary School Music (Christian Education Field only) | 2 |

Individual Performance (MUIP) 20

- Select 16 credits from MUIP 201 - MUIP 422 in Primary Instrument 1 16
- Select 4 credits of electives from MUIP 101 - MUIP 122, MUIP 201 - MUIP 422 1

Ensemble Performance (MUEP) 6

- MUEP 213, 214, 215, 216, 217, 218 (Large Ensemble, 8 semesters; see footnote for Third World Studies, Urban Studies, and Theater) 2 4
- MUEP 356, 357, 358, 371 (Chamber Music) 2

Music Electives

Select any music course(s) other than MUCS 101, 102, 103 or MUTC 101 3

Recital and Concert Attendance (MUEP) 0

- MUEP 219 | Recital & Concert Attendance             | 0       |

Senior Half Recital

- MUIP 492 | Half Senior Recital                      | 0       |

Piano Proficiency - Consult Conservatory Handbook 2

Free Electives 0-5

Select 0-5 credits, depending on Outside Field chosen (may include music; see list)

Elective Field 3
Total minimum hours required for degree: 124-134

1. Select courses tab and go to Individual Performance Studies (MUIP) for course listings.

2. Large Ensemble requirement:
   - 7 semesters for Third World Studies and Urban Studies;
   - 6 semesters/three credits for Theater Concentration, only if accepted into Theater Workout.

3. Credits depend on Outside Field chosen.


### Elective Fields

#### Biblical and Theological Studies

<table>
<thead>
<tr>
<th>General Education - Major requirements (p. 247)</th>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music Electives</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select any music course(s) other than MUCS 101, 102, 103 or MUTC 101</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Free Electives</td>
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<td></td>
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<tr>
<td>Select 3 credits (may include music)</td>
<td>3</td>
<td></td>
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<tr>
<td>Elective Field Courses for Biblical and Theological Studies</td>
<td>18</td>
<td></td>
<td></td>
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<tr>
<td>Required</td>
<td></td>
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<tr>
<td>BITH 325 Biblical Interpretation and Hermeneutics</td>
<td>4</td>
<td></td>
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<tr>
<td>BITH 375 Christian Ethics</td>
<td>4</td>
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</tr>
<tr>
<td>Electives</td>
<td>10</td>
<td></td>
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</tr>
<tr>
<td>Select Option 1 or 2:</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Option 1 (Biblical Studies)</td>
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</tr>
<tr>
<td>BITH 344 The Psalms: Songs of Israel and the Church</td>
<td>2</td>
<td></td>
<td></td>
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<tr>
<td>or BITH 345 Life of David</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Other OT and NT Courses: Select 8 credits from BITH 300-400 level courses</td>
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<tr>
<td>Option 2 (Theological Studies)</td>
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<tr>
<td>BITH 372 Historical Theology</td>
<td>4</td>
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<tr>
<td>Other Theological Studies: Select 6 credits from BITH 300-400 level courses</td>
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</table>

1. Above Gen Ed Bible Requirements.

#### Business

<table>
<thead>
<tr>
<th>General Education - Major requirements (p. 247)</th>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Music Electives</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Select any music course(s) other than MUCS 101, 102, 103 or MUTC 101</td>
<td>6</td>
<td></td>
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<tr>
<td>Free Electives</td>
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<tr>
<td>Select 3 credits (may include music)</td>
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<tr>
<td>Elective Field Courses for Business</td>
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<tr>
<td>Required</td>
<td>20</td>
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<tr>
<td>ECON 211 Principles of Microeconomics</td>
<td>4</td>
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<tr>
<td>B EC 226 Financial Accounting</td>
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</tr>
<tr>
<td>B EC 229 Management Information Systems</td>
<td>2</td>
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<tr>
<td>B EC 328 Business Ethics</td>
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<td></td>
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<tr>
<td>B EC 341 Principles of Marketing</td>
<td>4</td>
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<tr>
<td>B EC 342 Principles of Management</td>
<td>4</td>
<td></td>
<td></td>
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<tr>
<td>Electives</td>
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<td></td>
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</tr>
<tr>
<td>B EC 227 Managerial Accounting</td>
<td>4</td>
<td></td>
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</tr>
<tr>
<td>B EC 352 Business Law</td>
<td>2</td>
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</tr>
<tr>
<td>B EC 421 Organizational Behavior</td>
<td>2</td>
<td></td>
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</tr>
<tr>
<td>ECON 365 Economic Growth &amp; Development</td>
<td>4</td>
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</table>

#### Christian Formation and Ministry

<table>
<thead>
<tr>
<th>General Education - Major requirements (p. 247)</th>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music Electives</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select any music course(s) other than MUCS 101, 102, 103 or MUTC 101</td>
<td>6</td>
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<tr>
<td>Free Electives</td>
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<tr>
<td>Select 3 credits (may include music)</td>
<td>3</td>
<td></td>
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</tr>
<tr>
<td>Elective Field Courses for Christian Formation and Ministry</td>
<td>24</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Required</td>
<td>18</td>
<td></td>
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<tr>
<td>CFM 111 Foundations of Ministry</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CFM 222 Teaching for Transformation</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CFM 223 Human Development and Ministry</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CFM 331 Teaching the Bible</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CFM 421 Philosophy of Ministry</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select 6 credits of electives in CFM</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### English

<table>
<thead>
<tr>
<th>General Education - Major requirements (p. 247)</th>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music Electives</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select any music course(s) other than MUCS 101, 102, 103 or MUTC 101</td>
<td>6</td>
<td></td>
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</tr>
<tr>
<td>Free Electives</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Select 3 credits (may include music)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elective Field Courses for English</td>
<td>24</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Required</td>
<td>16</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 111 Studies in Western Literature</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or ENGL 215 Classical and Early British Literature</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 115 Topics in Modern Global Literature</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGW 213 Creative Writing</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or ENGL 373 Literature of the Bible</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select 4 credits from American Literature (ENGL)</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select 8 credits from ENGW/ENGL; excluding ENGW 103/ENGW 104</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Media

<table>
<thead>
<tr>
<th>General Education - Major requirements (p. 247)</th>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music Electives</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select any music course(s) other than MUCS 101, 102, 103 or MUTC 101</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Free Electives</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select 3 credits (may include music)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elective Field Courses for Media</td>
<td>24</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Required

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 241</td>
<td>Media Studies</td>
<td>4</td>
</tr>
<tr>
<td>COMM 341</td>
<td>Media, Religion and Culture</td>
<td>4</td>
</tr>
</tbody>
</table>

Electives

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 246</td>
<td>Media Production</td>
<td>4</td>
</tr>
<tr>
<td>COMM 243</td>
<td>Digital Society</td>
<td>4</td>
</tr>
<tr>
<td>COMM 345</td>
<td>Narrative Media</td>
<td>4</td>
</tr>
<tr>
<td>COMM 343</td>
<td>Writing for Media</td>
<td>4</td>
</tr>
<tr>
<td>COMM 445</td>
<td>Media Constructions</td>
<td>4</td>
</tr>
<tr>
<td>COMM 444</td>
<td>Special Topics in Media and Culture</td>
<td>2-4</td>
</tr>
</tbody>
</table>

Pre-Health Studies

Note: This degree track is designed for students who are interested in pursuing post-graduate studies in medicine, dentistry, and other health-related fields. Meeting the requirements for this degree does not guarantee that students will meet the prerequisite course requirements for all medical schools. The "Elective Field" courses listed below include most of the courses required for entrance to medical school and recommended as preparation for the Medical College Admissions Test (MCAT). However, students will also need to add Physics to their academic plan at some point prior to taking the MCAT. Other courses that students should consider taking include Biochemistry, Psychology, Sociology, and Statistics. Some courses may count toward the General Education requirements (Thematic Core). Students are highly encouraged to consult with the Director of Health Professions early in their academic career in order to understand the medical school admissions timeline and receive help with course planning.

General Education - Major requirements (p. 247)
(For Thematic Core Category II, take PSYC 101 for the Social Inquiry tag)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music Electives</td>
<td>Select any music course(s) other than MUCS 101, 102, 103 or MUTC 101</td>
<td>4</td>
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</tbody>
</table>

Free Electives

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective Field Courses for Pre-Health Studies</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td>BIOL 241</td>
<td>Organization of Life: Genetics and Cell Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 242</td>
<td>Diversity of Life: An Introduction to Zoology and Botany</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 231</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 232</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 341</td>
<td>Organic Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 342</td>
<td>Organic Chemistry II</td>
<td>4</td>
</tr>
</tbody>
</table>

Pre-Law Studies

General Education - Major requirements (p. 247)
(For Thematic Core Category II, take PSYC 101 for the Social Inquiry tag)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music Electives</td>
<td>Select any music course(s) other than MUCS 101, 102, 103 or MUTC 101</td>
<td>6</td>
</tr>
</tbody>
</table>

Free Electives

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective Field Courses for Pre-Law Studies</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td>Required</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>PSCI 274</td>
<td>Introduction to Law</td>
<td>4</td>
</tr>
</tbody>
</table>

Law-Related Elective Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 496</td>
<td>Internship (with a practicing legal professional)</td>
<td>4</td>
</tr>
</tbody>
</table>

Select 10 credits from at least two departments:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IR 328</td>
<td>International Law</td>
<td>2</td>
</tr>
<tr>
<td>PHIL 318</td>
<td>Philosophy of Law</td>
<td>2</td>
</tr>
<tr>
<td>PSCI 311</td>
<td>Constitutional Law</td>
<td>4</td>
</tr>
<tr>
<td>PSCI 368</td>
<td>American Political Thought</td>
<td>4</td>
</tr>
<tr>
<td>SOC 367</td>
<td>Crime &amp; Delinquency</td>
<td>4</td>
</tr>
</tbody>
</table>

Supporting Elective Courses

Select 8 credits from at least two departments, one of which is not elected under the Law-Related Elective Courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>B EC 226</td>
<td>Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>or B EC 227</td>
<td>Managerial Accounting</td>
<td></td>
</tr>
<tr>
<td>B EC 328</td>
<td>Business Ethics</td>
<td>2</td>
</tr>
<tr>
<td>COMM 252</td>
<td>Argumentation and Debate</td>
<td>4</td>
</tr>
<tr>
<td>COMM 253</td>
<td>Messages, Influence, and Culture</td>
<td>4</td>
</tr>
<tr>
<td>COMM 362</td>
<td>Group Dynamics</td>
<td>2</td>
</tr>
<tr>
<td>COMM 363</td>
<td>Persuasion</td>
<td>4</td>
</tr>
<tr>
<td>ENGW 214</td>
<td>Rhetorical Writing</td>
<td>2</td>
</tr>
<tr>
<td>HIST 251</td>
<td>American History to 1865</td>
<td>4</td>
</tr>
<tr>
<td>or HIST 252</td>
<td>American History from 1865</td>
<td></td>
</tr>
<tr>
<td>HIST 377</td>
<td>British History to 1688</td>
<td>4</td>
</tr>
<tr>
<td>HIST 455</td>
<td>American Urban History</td>
<td>4</td>
</tr>
<tr>
<td>HIST 483</td>
<td>History of Christianity in North America</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 243</td>
<td>Intro To Logic</td>
<td>2</td>
</tr>
<tr>
<td>PHIL 448</td>
<td>Advanced Topics in Philosophy (Ethical Theory - Section 3)</td>
<td>4</td>
</tr>
<tr>
<td>PSCI 135</td>
<td>American Politics and Government</td>
<td>4</td>
</tr>
<tr>
<td>PSCI 365</td>
<td>Classical and Medieval Political Thought</td>
<td>4</td>
</tr>
<tr>
<td>PSCI 366</td>
<td>Modern Political Thought</td>
<td>4</td>
</tr>
<tr>
<td>SOC 337</td>
<td>Racial and Ethnic Relations</td>
<td>4</td>
</tr>
<tr>
<td>SOC 356</td>
<td>The Family</td>
<td>4</td>
</tr>
<tr>
<td>SOC 376</td>
<td>Sociological Theory</td>
<td>4</td>
</tr>
</tbody>
</table>

Psychology

General Education - Major requirements (p. 247)
(For Thematic Core Category II, take PSYC 101 for the Social Inquiry tag)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Music Electives</td>
<td>Select any music course(s) other than MUCS 101, 102, 103 or MUTC 101</td>
<td>6</td>
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Free Electives

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Elective Field Courses for Psychology</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td>Required</td>
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<td>20</td>
</tr>
<tr>
<td>PSYC 268</td>
<td>Statistics</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 269</td>
<td>Experimental Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 317</td>
<td>Developmental Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 348</td>
<td>Abnormal Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 352</td>
<td>Contemporary Clinical Psyc</td>
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Electives

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PSYC 235</td>
<td>Cross-Cultural Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 241</td>
<td>Social Psychology</td>
<td>4</td>
</tr>
</tbody>
</table>
Music, Bachelor of Music in Pedagogy

The Bachelor of Music in Pedagogy degree is designed for students contemplating a career as a private studio music teacher. This curriculum also will give the student musical breadth and is excellent preparation for graduate school studies in a variety of music-related fields.

Requirements

Students are required to complete the General Education requirements (p. 230) (normally 32 hours) and all Graduation Requirements (p. 29). Total hours required for degree: 124 hours minimum. In order to meet all major requirements, hours needed may exceed 124.
### Music, Bachelor of Arts

The Bachelor of Arts in Music is one of over thirty majors offered through the College of Arts and Sciences. The degree is intended to enable students to pursue music study and performance in the context of the liberal arts, fully embracing the music resources of the Conservatory of Music, while also taking advantage of the many strengths of the broader college. All music coursework is taught through the Conservatory of Music along with a core of General Education, upper-division, and elective courses from the Arts and Sciences.

Students interested in pursuing a Bachelor of Arts in Music degree should visit the Conservatory Academic Office (Armerding 217) to complete an assessment of piano proficiency, a primary instrument evaluation, and a Music Fundamentals Test.

### Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (p. 29) and graduation requirements (p. 29) under a single catalog.

**Note:** A maximum of 52 hours in music courses (p. 232) (MUCS, MUEP, MUIP, MUMS, MUTC) may be applied toward the 124 needed for graduation.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Music Theory &amp; Composition (MUTC)</strong></td>
<td><strong>11</strong></td>
<td></td>
</tr>
<tr>
<td>MUTC 151</td>
<td>Music Theory I</td>
<td>3</td>
</tr>
<tr>
<td>MUTC 171</td>
<td>Music Theory II</td>
<td>3</td>
</tr>
<tr>
<td>MUTC 241</td>
<td>Music Theory III</td>
<td>2</td>
</tr>
<tr>
<td>or MUTC 261</td>
<td>Music Theory IV</td>
<td></td>
</tr>
</tbody>
</table>

**Aural Skills**

| MUCS 261     | Music Before 1600                       | 2       |
| MUCS 262     | Baroque and Classical Music Eras        | 4       |
| MUCS 263     | Nineteenth-Century Music                | 2       |
| MUCS 264     | World Music                             | 2       |
| MUCS 361     | Twentieth-Century Music                 | 4       |
| MUCS 494     | Senior Capstone                         | 2       |
| MUCS 323, 324, 326, 327, 328, 329 (2 hrs Literature of the Instrument) | 2       |

**Methods Studies (MUMS)**

| MUMS 115     | Intro to Music Studies                  | 2       |
| MUMS 248     | Basic Conducting                        | 3       |
| & MUMS 346   | and Conducting Lab                      |         |
| MUMS 255     | Principles of Pedagogy I                | 2       |
| or MUMS 372  | Principles of Pedagogy II (any section) | 2       |
| MUMS 355     | Group Pedagogy                          | 3       |
| MUMS 356     | Studio Administration                   | 2       |
| MUMS 385     | Applied Pedagogy I                      | 2       |
| MUMS 455     | Applied Pedagogy II                     | 2       |
| Select 8 credits of electives (any MUMS courses) | 8       |

**Individual Performance (MUIP)**

| MUIP 201 - 422 (may include principal instrument) | 18 |
| Select 18 credits from MUIP 201 - MUIP 422 in Primary Instrument | 18 |
| Select 4 credits from MUIP 201 - 422 | 4 |

**Ensemble Performance (MUEP)**

| MUEP 213, 214, 215, 216, 217, 218 (Large Ensemble, 8 semesters) | 4 |
| MUEP 356, 357, 358, 371 (Chamber Music) | 2 |

**Music Electives**

Select 4 credits of any music course(s) other than MUCS 101, 102, 103 or MUTC 101 | 4 |

**Recital and Concert Attendance (MUEP)**

| MUEP 219 | Recital & Concert Attendance (8 semesters) | 0 |

**Senior Half Recital**

| MUIP 492 | Half Senior Recital | 0 |

**Piano Proficiency - Consult Conservatory Handbook**

| Select 5 credits (may include music) | 5 |

**Free Electives**

Select 5 credits (may include music) | 5 |

### Total Hours required for degree

| 3 |

1. Select courses tab and go to Individual Performance Studies (p. 232) for course listings.
3. In order to meet all degree requirements, hours needed may exceed 124 hours.
**Music Minor**

Students interested in pursuing a Music Minor should visit the Conservatory Academic Office (Armerding 217) to complete an assessment of piano proficiency, a primary instrument evaluation, and a Music Fundamentals Test.

**Requirements**

**Requirements for a minor** in Music are 20 hours, including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUTC</td>
<td>Music Theory &amp; Composition (MUTC)</td>
<td>7</td>
</tr>
<tr>
<td>MUTC 151</td>
<td>Music Theory I</td>
<td>3</td>
</tr>
<tr>
<td>MUTC 171</td>
<td>Music Theory II</td>
<td>3</td>
</tr>
<tr>
<td>MUTC 152</td>
<td>Aural Skills I</td>
<td>1</td>
</tr>
</tbody>
</table>

**Context Studies (MUCS)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUCS</td>
<td>Only one of MUCS 101, 102, or 103 may count toward this requirement</td>
<td>4</td>
</tr>
</tbody>
</table>

**Individual Performance (MUIP)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUIP</td>
<td>Select 4 credits from MUIP 101 - MUIP 121 in Primary Instrument 1</td>
<td>4</td>
</tr>
</tbody>
</table>

**Music Electives**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUCS</td>
<td>Select 5 credits from MUCS, MUEP, MUIP, MUMS, MUTC (p. 232)</td>
<td>5</td>
</tr>
<tr>
<td>MUEP</td>
<td>Recital &amp; Concert Attendance (two semesters)</td>
<td>0</td>
</tr>
<tr>
<td>MPEP</td>
<td>Piano Proficiency - Consult Conservatory Handbook 2</td>
<td>2</td>
</tr>
</tbody>
</table>

**Total Hours required for minor**

1. Select courses tab and go to Individual Performance Studies (MUIP (p. 232)) for course listings. No more than 16 credits of MUIP count toward degree.

**Worship Arts Certificate**

The Certificate in Worship Arts is an interdisciplinary program designed to provide opportunity and training in Biblical arts ministry in the church. This certificate will meet an existing need among students who are eager to organize and lead worship in the church and will prepare them with comprehensive theological understanding and basic musical skills for service and leadership in the church.

**Requirements**

**Requirements for a Certificate in Worship Arts** are 24 credits:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BITH</td>
<td>Biblical Foundations of Worship</td>
<td>4</td>
</tr>
<tr>
<td>MUMS</td>
<td>Principles of Music and Worship Ministry I</td>
<td>4</td>
</tr>
<tr>
<td>MUIP</td>
<td>Private Lessons (organ, piano, voice, guitar, percussion)</td>
<td>4</td>
</tr>
<tr>
<td>MUMS</td>
<td>Internship (or practicum)</td>
<td>2</td>
</tr>
<tr>
<td>MUCS</td>
<td>Chapel Band with a faculty coach</td>
<td></td>
</tr>
<tr>
<td>MUMS</td>
<td>Local church or summer internship</td>
<td></td>
</tr>
</tbody>
</table>

**Electives**

<table>
<thead>
<tr>
<th>Code</th>
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**Total Credits**

24
SPECIAL PROGRAMS

The Speech Center
https://www.wheaton.edu/Academics/Programs/Communication/Welcome/Speech-Center

The Speech Center provides online tutorials in all aspects of public speaking to students who wish to improve their oral skills for any course across the disciplines. Learning modules will help students narrow their topic focus, develop a more engaging speaking style, clarify their organization, craft strong introductions and conclusions, and identify compelling supporting materials.

The Writing Center
https://www.wheaton.edu/Academics/Services/Writing-Center

Located on the first floor of Buswell Library, the Writing Center offers an important free service to all students who want to improve their writing for any course across the disciplines. The trained writing consultants who work at the Center provide patient, supportive help in all aspects of the composing process. The consultants do not act as proofreaders or editors, however; instead, they ask probing questions to help students develop confidence and skill in their own writing. The Writing Center is open Monday-Saturday throughout the school year; please check the Writing Center webpage at www.wheaton.edu/Academics/Services/Writing-Center (http://www.wheaton.edu/Academics/Services/Writing-Center) for hours of operation.

Pre-Professional Programs Assistance
Health Professions
https://www.wheaton.edu/academics/programs/healthprofessions

The Director of the Health Professions works closely with students who are interested in any of the health fields. Career information and counseling are provided to assist students in career exploration, selecting courses, preparing for required national admissions exams, and applying for admission to professional schools. Advising is provided to aid students understanding of various healthcare careers and the changing nature of the healthcare environment. Students are encouraged to pursue professions that allow them to use their gifts and contribute to the health of society worldwide. Guidance is provided through informational workshops, opportunities to meet and speak with healthcare professionals on and off campus and personalized advising. The Health Professions Committee, comprised of faculty members from the sciences and humanities, contributes to the student’s decision-making process and preparation by conducting mock interviews and scholarship selection. All students interested in a health profession are strongly encouraged to visit the Health Professions Office early in their studies. See the Science Area Programs section of this catalog for additional information.

Pre-Law
https://www.wheaton.edu/prelaw

The Pre-Law Program at Wheaton is designed to assist students in exploring or confirming a calling to service in the legal profession. The Pre-Law Program provides students with access to a variety of resources, activities, and events that focus on mastering the law school admissions process, preparing for a legal education, and understanding the legal profession. Further information on the Pre-Law Program is available at https://www.wheaton.edu/prelaw.

Wheaton offers a broad liberal arts education that provides students with a solid foundation for law school. In addition to providing several law-oriented courses, Wheaton offers a Pre-Law Studies Certificate Program, an interdisciplinary program that provides a concentration of course work to support the future study and practice of law. This program is designed to develop a student’s cognitive faculties for analysis, reading comprehension, and written and oral expression, and includes a law-related internship. This program is described in detail in the Pre-Law Studies Certificate Program section of this catalog.

The Pre-Law Advisor is available to counsel and mentor students individually on the law school application process and legal careers. Through the Pre-Law Program, students can enhance their preprofessional development by attending activities and events, such as proctored LSAT practice tests, law school fairs and smaller workshops on law school applications, and forums with speakers who represent a variety of career paths in the legal profession. In addition, students can participate in the Mock Trial Team, a student-led organization focused on developing trial advocacy skills by participating in American Mock Trial Association competitions.

Accelerated M.A. Program

Wheaton College offers Accelerated M.A. programs in the following departments: Biblical Archaeology, Biblical and Theological Studies, Christian Formation and Ministry, Education, Evangelism and Leadership, and Intercultural Studies. A student can earn a graduate degree as early as the fifth college year by taking graduate credit courses during the senior year. Application should be made and approved early in the junior year. No more than 50 percent of the credit hours required for the master’s degree can be taken before the student completes the bachelor’s degree. Some departments may further limit this policy. (During the senior year, a student may take up to eight hours of graduate credit each semester.) The student will be given a graduate advisor, but will retain the undergraduate advisor and be classified as an undergraduate until the bachelor’s degree is earned. Earning a graduate degree by this method can have a financial advantage. Courses taken toward this accelerated master’s degree program cannot also be counted toward the student’s bachelor’s degree requirements.

Interdisciplinary Studies

Across the country, many colleges and universities increasingly offer students the opportunity to create their own unique approach to learning, combining coursework from two or three traditional majors. Interdisciplinary Studies promotes a breadth of knowledge from a variety of upper-level courses with a depth of expertise from completing a significant final research project. The ultimate aim of this major is the integration of different academic areas that represent a student’s program of study, reflecting creative skill, critical thinking, and problem solving at its best. This program is only open to students who have already completed thirty hours of credit, and it requires an application, review, and acceptance by the Interdisciplinary Studies Faculty Committee.

Internships

Internships are an excellent way to enhance a student’s college experience, explore career possibilities, and prepare for life after college. More than 80% of Wheaton students complete an internship at some point during their time at Wheaton, which is above the national
average. While some internships are done for academic credit, many are completed simply for the experience they give students. International internships must be coordinated through Global Programs & Studies in addition to the sponsoring academic department, Office of Christian Outreach, or other campus offices.

Finding Internship Opportunities
The Center for Vocation and Career coaching team is available to equip you to discover and land opportunities. Students benefit from scheduling coaching appointments and attend exploratory events (i.e. Externship Day and Taco Tuesdays) two semesters prior to starting an internship. Handshake (https://wheaton.joinhandshake.com/login) also serves as a centralized listing of curated opportunities. Also, depending on the industry, academic departments can be helpful in discovering opportunities.

Earning Academic Credit
Internships may be an opportunity for students to complete academic credit towards their selected major or for elective credit. To do this, students must have junior status and have completed 16 credit hours in their major to undertake an internship. A practicum is another opportunity for students to pursue vocational discernment through work experience. These are particularly relevant for students who would like to explore opportunities and aptitudes outside of their major area of study. Only with department approval may credits earned through a practicum be applied toward the major. Students must have sophomore status to enroll in a practicum. An internship and a practicum both offer opportunities to integrate theoretical learning with actual work experience. It is intended to enhance educational goals, expand job skills, and guide career decisions. The internship may be completed for 2-8 credit hours (0 hours for Christian Education and Ministry) under the direction of a career advisor and an employer supervisor. It is important to consult the department to determine specific requirements for completing an internship. Students who desire to complete an internship or practicum can enroll in GEL 211 Vocation Practicum. This practicum may be completed for 2-4 credit hours.

Non-academic internships may be completed at any time (fall, spring or summer). These experiences will be valuable for your resume and will not appear on your transcript. They receive no academic credit.

Academic Credit Internship Eligibility
Internships
An internship is a form of experiential learning that integrates knowledge and theory with practical application and skills development in a professional setting. Internships give students the opportunity to gain valuable applied experience and make professional connections.

Components of an Internship Experience:
- The experience has a defined beginning and end, includes a job description, and includes formal opportunities for reflection.
- Clearly defined learning objectives and goals.
- Oversight by a representative of the College with expertise and educational and/or professional background in the field of the experience.
- Regular performance feedback provided by an experienced supervisor.
- Internships can be paid or unpaid opportunities.

Internships may be done for credit or not. If you choose to do an internship for credit in your academic major, you will need to obtain approval for that credit in advance. To do that, contact your major department. The office coordinator should be able to point you to the appropriate faculty member.

Below are a few guidelines to remember about for-credit internships in your major:
- Registration for an internship must occur during the semester or summer in which at least 50 percent of the internship will be completed. Registration must begin before the internship begins.
- Students must have reached junior status and have completed at least 16 hours in their major to receive credit in their major.
- If you are on academic probation you normally would not be allowed to register for an internship.
- A minimum of 40 clock hours of work experience is required for each academic credit (e.g. a 4-hour internship or practicum would require a minimum of 160 clock hours of work experience).
- Billing for internship credit is at normal tuition rates.
- The internship experience will receive a final evaluation from the work supervisor and the supervising faculty member and will be graded on a pass/fail basis, unless otherwise noted in the catalog.
- Your academic department will determine the reflective curriculum that will be required as part of receiving credit for your internship.

Practicum
- Registration for a practicum (GEL 211) must occur during the semester or summer in which 100 percent of the practicum will be completed, and prior to the start of the practicum.
- Students enrolled in GEL 211 also attend a seminar course, which meets 7 times during the semester (offered fall & spring on-campus; summer students complete seminar in an off-campus modular format with the instructor) that will be graded on a pass/fail basis.
- Along with the course, the student must complete the required number of clock hours for the practicum.
- Practicum students must have completed at least two semesters on-campus or at another college or university to enroll.
- The practicum is taken as elective credit toward graduation unless a student receives departmental approval for it to count for major credit prior to beginning the practicum.
- A minimum of 40 clock hours of work experience is required for each academic credit.

Refund Policy
If a student must change the dates of their for-credit internship or practicum, those changes must be communicated to the Wheaton College faculty supervisor and the registrar’s office in writing as soon as possible after the date change is known to the intern. Students may drop or withdraw from an internship or practicum as follows:
- Prior to 20% of the internship or practicum clock hours being complete, the student may withdraw completely and receive a 100% refund.
- Once 20-70% of the internship or practicum clock hours are complete, the student may withdraw from the internship with a W grade; no refund will be generated.
- Once more than 70% of the internship or practicum clock hours are complete, the student will no longer be allowed to withdraw from the internship.

Termination by the employer for cause or knowingly materially misrepresenting the internship or practicum to the College will result in a
failing grade, regardless of the percentage of the internship or practicum completed. Application for Internship/Practicum forms and additional internship and practicum guidelines are available from the Registrar’s Office.

**Army Reserve Officer Training Corps (ROTC)**
https://www.wheaton.edu/rotc

Service in the United States Army is a worthy calling. Wheaton College considers the Army ROTC program a valuable supplement to the curriculum. ROTC instruction is on campus and at local training areas. A student incurs no military obligation by taking one or more courses in Military Science during the freshman or sophomore years prior to signing an ROTC contract. Wheaton College grants an academic credit for all ROTC courses and offers a certificate in Military Science to cadets who meet all requirements. For additional information, see the Military Science and the Special Scholarships sections of this catalog. Undergraduate and Graduate students are eligible for this program.

**Air Force ROTC (AFROTC)**

Students interested in Air Force ROTC can take Aerospace Studies at the Illinois Institute of Technology (http://www.afrotc.iit.edu) (IIT).

**Wheaton College Science Station**
https://www.wheaton.edu/BlackHills

Situated in a park-like 50 acres in the Black Hills National Forest of South Dakota, the Wheaton College Science Station offers the College’s longest running off-campus program. The summer program offers courses to meet SP, SIP, and AIS requirements for Christ at the Core. It also offers introductory and upper division courses for majors in Biology and Environmental Science (Diversity of Life: an Introduction to Zoology and Botany, Processes of Life: Ecology and Evolution) and Geology (Field Geology and Sedimentary Geology).

**Global Programs and Studies (GPS)**
https://www.wheaton.edu/academics/global-programs-and-studies/

Global Programs and Studies provides students many opportunities to earn academic credit in off-campus domestic, cross-cultural, and international contexts. These programs allow students to extend their learning beyond the classroom and the campus community. They include internships, practica, research opportunities, and study abroad programs among many options. Many of these are in international locations. Others are in the United States and are also able to broaden one’s global and cross-cultural perspective. Whether in a domestic or international context, both types of experiences integrate the classroom and daily life in unique ways that create a rich learning environment with exposure to environments, peoples, and resources not available on campus. Each program maintains the standards of excellence in the College’s liberal arts curriculum. Most programs involve on-campus preparation for field experiences prior to entering the off-campus program. Students interested in these programs are encouraged to inquire about them early in their academic planning to ensure timely involvement and appropriate academic credit. Many semester study abroad programs also provide internship opportunities. Current listings of study abroad and other off-campus programs can be found at: https://www.wheaton.edu/academics/global-programs-and-studies/. Refer to departmental course listings to identify internship, practicum, and other field experience courses such as HNGR, HoneyRock, Urban Studies, “Wheaton in”, as well as partnerships with over seventy approved program providers.

**HoneyRock: Northwoods Campus and Camp**
https://www.wheaton.edu/HoneyRock

The mission of HoneyRock is to build Christ’s church and improve society worldwide by developing whole and effective people through transformational outdoor experiences. This mission expresses the commitment to equip steadfast disciples who transform the world through Christ which is accomplished through the integration of excellence in academic programming with Christian camp experiences. The theoretical principles and practical skills learned will be applicable to a broad range of ministry and educational settings. Individuals leave HoneyRock with an expanded view of God, themselves, and their role in serving others. The educational approach is interdisciplinary and distinguished by direct application of learning to real ministry and leadership experiences. Students will engage in outdoor-oriented activities that involve problem-solving tasks, disciplined reflection, and service.

Although the content of the programs varies, the learning outcomes of students at the Northwoods Campus usually include the following: increased mastery of content due to direct application, enhancement of critical thinking and problem-solving skills, increased confidence and ability to perform in leadership roles, and a deepened relationship with others and with God. Students experience these outcomes because they are given responsibilities that challenge them.

Located 360 miles north of the Wheaton campus on 800 acres of beautiful forests and a chain of 28 lakes, the Northwoods Campus has year-round opportunities for students.

**Wheaton Passage: A Transition Program for Incoming Students**
https://www.wheaton.edu/honeyrock/undergraduate-students/wheaton-passage

Wheaton Passage is designed to introduce incoming first year and transfer students to spiritual formation and to ignite the Wheaton College experience for them. Students will experience eight to eighteen days—depending on the chosen track—filled with adventure, challenge, and new friendships. They will also be part of a mentoring relationship with Wheaton College faculty from various academic departments while enjoying the beautiful setting of HoneyRock, Wheaton's Northwoods campus.

Students choose either the wilderness track (a 12-day wilderness trip), the urban track (7 days living and doing ministry in downtown Chicago) or the camp track (4 days at HoneyRock utilizing team building and challenge courses.) All tracks culminate with 5 days at HoneyRock during which time a faculty member will join each of the established small groups and lead them through a curriculum based on the themes of foundations of a worldview, community, spiritual formation, and service.

In addition to the program at HoneyRock, students will gather for two sessions over the fall semester with their faculty member. This time is designed to help students transfer their learning into the context of life at Wheaton. Faculty members will help students process through transitional issues that often arise during the first semester. Through this
experience, students earn 2 hours of elective academic credit (CFM 131 Introduction to Spiritual Formation).

**Summer Leadership School: Summer Semester**
https://www.wheaton.edu/honeyrock/undergraduate-students/leadership-schools-for-students/sls-summer-leadership-school

Summer Leadership School is designed for students who have completed their first year, sophomores, and juniors who have limited camp, ministry, or leadership experience. This program helps participants develop guiding principles for lives in ministry, service, and growth while deeply impacting their character, worldview, and relationship with Christ. During this 11-week program, students receive training and experience in leadership and ministry. It is through modeling the Christian life and discipleship of young people that students develop and refine their abilities and life goals. Up to 8 hours of general education, elective or major credit can be earned through: Biblical and Theological Studies and Christian Formation and Ministry. Students will apply their course work as camp counselors for 6 weekends of Advance Camp (for 9th grade students) or seven weeks of Residential Camp (for 3rd-8th grade students.)

**Wheaton in the Northwoods**
https://www.wheaton.edu/honeyrock/undergraduate-students/wheaton-in-the-northwoods

Each year HoneyRock offers a wide spectrum of courses that meet general education requirements in a creative, modular fashion. Courses are four weeks in length: one week of intensive work before the two weeks at HoneyRock and one week of intensive work afterward. The courses are unique from the main campus because professors use the outdoors and an experiential process that provides for a collaborative, engaging, and relationally-based learning experience. Students in these short-term courses enjoy the beautiful HoneyRock environment and participate in fun activities. Dorm-style housing with attached bathrooms and a computer lab with wireless internet are available. Courses are generally available during the months of May and June. Information is available at the HoneyRock office in Schell Hall.

**Human Needs and Global Resources**
https://www.wheaton.edu/HNGR

The Human Needs and Global Resources (HNGR) Program is an academic certificate program that integrates multidisciplinary coursework, a six-month internship in the Majority World, and whole-person formation through experiential learning. Students live, work, worship, and serve with local communities worldwide, while accompanying host partner organizations that confront poverty, challenge inequity, transform conflict, pursue justice, and seek fullness of life. The program cultivates a life-orienting commitment to justice, intercultural humility, compassion, hospitality, environmental health, and peacemaking, as actively reflected in lifestyle and vocation.

Past internships have included, but are not limited to, projects in: agriculture, church development, community art, community development, education, environment, ethnomusicology, gender, health and nutrition, HIV/AIDS, human trafficking, hydrology, legal advocacy, microenterprise, property rights, social justice, and youth development. Each internship includes supervised study and service related to the student’s interests, and enables students to learn about culture and appropriate development responses within specific cultural contexts. HNGR aims to promote student commitments to formulating Christian responses in their lifestyles and vocational choices, to the issues facing the globe and its peoples.

Students from any major may take selected HNGR courses, including HNGR 114 Poverty, Justice and Transformation, without obligation to complete the HNGR Certificate. Students who wish to earn the HNGR Certificate must submit a formal application (usually in the fall semester of their second year), be accepted to do the six-month off-campus internship, and complete the internship and all course work. Details are available in the HNGR office and on the HNGR website at http://www.wheaton.edu/hngr.

**Urban Studies**
https://www.wheaton.edu/urbanstudies

**Wheaton in Chicago**
https://www.wheaton.edu/Academics/Departments/Special/Urban-Studies/Wheaton-in-Chicago

Wheaton in Chicago is a semester-long, residential, experiential program of study open to all Wheaton College students. Wheaton in Chicago offers an opportunity to get past the “visitor” mindset and explore the contours of the city from the inside. During the semester, students intern at various organizations throughout the city while also taking Wheaton courses specifically tailored to the program’s unique location in Chicago. Students live in Chicago’s Woodlawn neighborhood (just south of the University of Chicago), intern in neighborhoods all over the city, and worship in the city.

Through a combination of discipline-specific internships and courses such as Engaging Arts in the City, Chicago, Theologies of Transformation, and Race, Poverty, and Reconciliation, students gain insight into some of the issues shaping life in Chicago and other cities around the world.

Wheaton in Chicago is foundational for many students pursuing future careers in fields such as urban planning, economic development, ministry, legal services, healthcare, teaching, social services, counseling, and communications, just to name a few.

The program is overseen by the Director of the Center for Urban Engagement. Courses are taught both by Wheaton faculty and practitioners from the city, while drawing on a rich array of guest speakers. Students will have opportunities to earn general education and major credit. The Wheaton in Chicago program also emphasizes leadership, mentoring, and vocational discernment and includes student life and spiritual formation programming.

The Wheaton in Chicago program is offered every semester. URBN 114 Social Life of Cities and URBN 399 Pre-field Preparation are prerequisites for the program.

"Wheaton In" Semester Study Abroad Programs
https://www.wheaton.edu/academics/global-programs-and-studies/study-abroad/semester-programs/

**Wheaton in Mexico**
Wheaton in Mexico Program is located in Querétaro, México, a beautiful colonial city, UN World Heritage Site and bustling, modern metropolis. It is offered in the Spring semester. A Wheaton faculty member serves as the resident director, and students live with host families during the entire semester. In addition to an integrative course taught by the resident director, the program offers courses in Mexican history, Mexican art
and Spanish language and literature courses taught by local Mexican faculty. The program is open to students from all majors. Some courses may meet general education and major requirements. Prerequisites: SPAN 201 Intermediate Spanish and GEL 231 Orientation to Study Abroad - Orientation for Wheaton in Mexico. The orientation course is required and is offered in B Quad of the Fall semester. This program also fulfills the study abroad requirement for the Spanish major or minor.

"Wheaton In" Summer Off Campus/Study Abroad Programs

Other "Wheaton In" summer programs are also offered on an occasional basis. Here are some representative programs. GPS has the most updated information on all programs. All program offerings are based on sufficient student enrollment and safety of travel location.

Arts in London
https://www.wheaton.edu/academics/global-programs-and-studies/study-abroad-summer-programs/arts-in-london/

Arts in London is a four-week culture program in London, England. The program offers a variety of opportunities for students to attend concerts, theater, opera, and ballet and visit museums and art galleries while living in London. Day long excursions to Canterbury and Cambridge provide the opportunity to experience "the arts" in different areas of Britain, while Celtic culture is explored during a long weekend in Wales. Arts in London is offered biannually.

China
https://www.wheaton.edu/academics/global-programs-and-studies/study-abroad-summer-programs/wheaton-in-china/

Wheaton in China features intensive language and culture with related lectures, field trips and guided travel. The first week of the program is an orientation week on the Wheaton campus or on-site in China, devoted to cross-cultural workshops and training. The program offers courses in all levels of Chinese for all majors. Language and cultural courses and electives are taught both by Wheaton faculty and by local experts. Wheaton in China includes visits to cultural and historical sites in various cities. Students have the opportunity to worship in local Chinese churches and participate in service-oriented activities. The program is offered biannually.

England

Wheaton in England is an eight-week summer program offered biannually. Students may take 8-10 hours of credit in English literature and writing. The program varies depending on the particular interests of each director and faculty. The program schedule begins with two weeks of classes on Wheaton's campus prior to departure and about four weeks of classes at Oxford University; classes are taught by Wheaton faculty. In their last two weeks in the UK students will have the opportunity to visit and tour several literary sites that allow students to experience the English cultural heritage and link what they are reading to the places they are visiting.

Germany

Students may pursue summer study via the eight-week Wheaton in Germany program, which fulfills the study abroad requirements for German Studies majors. This program is also open to students of any major who have met the German competency requirement or its equivalent (with program leaders approval). Wheaton in Germany features on-site study of German cultural history and national identity in a language immersion setting (GERM 343 ) followed by a four-week internship in Berlin GERM 496.(4 credit hrs) Offered annually in May-July, it is typically based in Munich, Berlin, and environs.

Holy Lands

The Wheaton in the Holy Lands Program is conducted by the School of Biblical and Theological Studies. This program is a study of the New Testament, Christian theology and historical geography through on-site lecture/instructions in Israel, Greece, and Rome. In addition, through contact with leaders of Roman Catholic and non-western churches, Wheaton in the-Holy Lands engages students with issues of the theological development of the Church through the centuries. The six-week program offers students the experience of a lifetime, exploring the Holy Lands under the guidance and instruction of Wheaton professors and local experts.

Iron Sharpens Iron
https://www.wheaton.edu/academics/global-programs-and-studies/study-abroad-summer-programs/iron-sharpens-iron/

Iron Sharpens Iron is an exciting eight-week program uniquely blending the cultural, political, economic and business aspects of cultures around the globe. The program focuses on the interaction of political and economic policy, the effects of globalization on human flourishing, and the economic well-being of countries in the study area. Students take part in numerous site visits and hear lectures from business leaders and diplomats. This program features on-campus and off-campus learning, and as part of the course work, student teams, with faculty guidance, develop research projects designed to be presented at the corporate or policy executive level. Iron Sharpens Iron is offered biannually and is open to students with at least a 3.0 GPA.

Latin America

Summer study in Latin America (during odd-numbered years) is sponsored by the Department of Modern and Classical Languages. This program offers courses in Spanish language and Latin American cultures and civilizations for Spanish minors and majors and non-majors. Language courses are taught by local instructors; civilization courses are team taught by Wheaton faculty with local guest lecturers. Students live with host families and participate in local churches. Service projects with national Christians are included. In past years sites have included Mexico City, Mexico; Buenos Aires, Argentina; and Managua, Nicaragua. Most recently, the program has been in Heredia, Costa Rica.

Pilgrimage to Santiago
https://www.wheaton.edu/academics/global-programs-and-studies/study-abroad-summer-programs/pilgrimage-to-santiago/

Pilgrimage to Santiago is a three-week course in Spain, offered biannually. The French way of St. James is a museum of over 800k,
where over a thousand years, pilgrims have hiked to what is thought the remains of St. James (one of the sons of Zebedee) in Santiago de Compostela. Santiago is credited with bringing the Gospel to Spain and the course will be a combination of the history of Spain, the history of the Camino de Santiago, art history, and travel as a Spiritual transformation. Students will walk the last 263km in the northern part of Spain over 18 days and will ultimately reach their destination in Santiago de Compostela where they will receive their "pilgrim" certificate. Learn about the historical and contemporary realities on the Camino including the history, art, architecture, psychology of the pilgrim, tourism, technology, and engage in spiritual reflection and community as you walk with other pilgrims. Prerequisites: SPAN 201 Intermediate Spanish with a B grade or better; students must enroll in the 2 hour Linear Quad course on the Camino during the spring semester prior to participation.

**Printing, Propaganda, and Progress**
https://www.wheaton.edu/academics/global-programs-and-studies/study-abroad-summer-programs/printing-propaganda-and-progress/

Printing, Propaganda, and Progress is a biannual six-week summer program. The program includes one week of on-campus work followed by travel within Germany and Switzerland where students study the impact of the printing press in 1440. This program offers four academic credits in COMM 444 and two academic credits from a corequisite course (varies). In 2019, the corequisite course is HIST 391 Topics in History - with a focus on Propaganda in Nazi Germany.

**Québec**
https://www.wheaton.edu/academics/global-programs-and-studies/study-abroad-summer-programs/wheaton-in-quebec/

Wheaton in Québec is a four-week language and culture program in the French speaking province of Québec. Students study advanced French and Québec culture including its history, cinema, folklore, literature and song. This program is offered biannually.

**Spain**

Summer study in Salamanca, Spain (during even-numbered years), is sponsored by the Department of Modern and Classical Languages. This program offers courses in advanced Spanish language and civilization for Spanish majors and non-majors. Language courses are taught by native Spanish instructors; civilization courses are taught by Wheaton faculty. Students live in Spanish homes for one month. The program includes visits to various sites, usually including Madrid, El Escorial, Toledo, Granada, Córdoba, Sevilla, Mérida, Segovia, Avila, León, Santiago de Compostela, and/or other locations of interest. Typically, the final week concludes in Barcelona with a service project.

**Tel Shimron Excavations**
https://www.wheaton.edu/academics/global-programs-and-studies/study-abroad-summer-programs/tel-shimron-excavation/

Tel Shimron, an ancient city in Northern Israel with biblical and historical significance, is the location of Wheaton College’s archaeological excavation, sponsored by generous support from the Museum of the Bible. Each summer, Wheaton undergraduate and graduate students have had the opportunity join a six week dig in Israel, led by Professor of Archaeology, Dr. Daniel Master.

In 2017, an international team of archaeologists, historians, anthropologists, biologists, chemists, and geologists began the work during a full scale excavation scheduled for mid-June through July uncovering remains from the Middle Bronze Age (19th-16th century BC) through the Mamluk sultanate of the 15th century. This major research project is a demonstration of the way in which interdisciplinary thinking can help us to answer questions about the ancient world, including the world of the Bible.

**Washington, D.C.**

Wheaton in Washington D.C. is a summer program sponsored by the Department of Politics and International Relations. The program offers a combination of on-campus study at Wheaton and living in the nation's capital. The Washington experience includes briefings with leaders on Capitol Hill, with interest groups, members of the D.C. press corps, and government agencies. There is a close integration of classroom and field experience.

**Western European Philosophies of Education**

This program provides students with the opportunity to observe and interact with schools in international contexts. Students will read and discuss philosophers of education from the host countries (England, France, and Germany) and will spend time observing classrooms and interacting with students and teachers from schools in those countries. In addition, students will interact with the local cultures and engage in informal conversations with future teachers from colleges in those cultures.

**Cooperative, Council, and Consortium Semester Programs**

Cooperative programs are available through 12 semester/summer programs sponsored by the Council for Christian Colleges & Universities (CCCU). (See https://www.bestsemester.com for detailed information and application.) Other cooperative programs are also available at American University, Au Sable Institute of Environmental Studies, the Creation Care Study Program, International Sustainable Development Studies Institute, Jerusalem University College, Illinois Institute of Technology, and Daystar University College (currently on hold). The Director of Study Abroad Programs in Global Programs and Studies has information about each of the following programs, unless otherwise noted.

The **American Studies Program** is sponsored by the Council for Christian Colleges & Universities in the nation's capital. While enrolled in public policy or strategic communication seminars, you will engage in what it means to be in community and to be a leader. These questions have shaped our political system for over two centuries. You'll continue this conversation as you interact in a dozen on-site visits with expert scholars and policy makers. Significant internships, professional mentorship and service opportunities prepare you for an extraordinary and unique D.C. experience.

The **Australia Studies Centre** is offered in partnership with Christian Heritage College (CHC), a CCCU affiliate member in a suburb of Brisbane, Australia. ASC is designed to integrate the firsthand observation and study of Australian culture, history, religion, politics and Indigenous
cultures together with experiential service learning and formal instruction in Business, Liberal Arts, Christian Ministries, Education and Humanities, Social Sciences and Christian Studies. Coursework in select STEM fields is also available through Queensland University of Technology (QUT).

The Council for Christian Colleges & Universities also offers the Contemporary Music Center in Nashville, which provides students the opportunity to live and work in community while seeking to understand how God will have them integrate music, faith, and business. Both interdisciplinary and multidisciplinary in nature, the CMP offers three tracks: the Artist Track, Business Track and the Technical Track. Each track includes course work, labs, directed study, and a practicum.

The Latin American Studies Program is a Council for Christian Colleges & Universities sponsored semester of study in Costa Rica. There are three different academic tracks: Latin American Studies, Advanced Language and Literature, Business for Sustainability. In all classes, assigned readings, guest speakers, and learning trips are carefully planned to develop critical reflection about your surroundings. Housing is provided with a Costa Rican family to enrich this unique cross-cultural experience.

The Los Angeles Film Studies Center of the Council for Christian Colleges & Universities is designed to integrate a Christian worldview with an introductory exploration of the work and workings of mainstream Hollywood entertainment. Students complete coursework as well as a 6 credit professional internship.

The Middle East Studies Program, based in Amman, Jordan, and sponsored by the Council for Christian Colleges & Universities, helps students understand the history, peoples, and cultures of this fascinating and complex region. Students also gain an appreciation of the Middle Eastern church and an understanding of the economic and political realities which influence the quest for peace in the Middle East.

The Northern Ireland Semester of the Council for Christian Colleges & Universities is an experiential learning program in Belfast that combines a required course on Peacemaking, Reconciliation, and Conflict Transformation in Northern Ireland with elective courses in art & culture, literature, Christian Faith & Practice, Ireland and Western Civilization, Intercultural Communication, and Service Learning.

The Oxford Summer Programme allows students to spend a summer term studying at Wycliffe Hall at Oxford University, England. The program is designed to enable students to gain a more comprehensive understanding of the relationship between Christianity and culture and to do specialized work under Oxford academics.

The Council for Christian Colleges & Universities sponsors the Scholars’ Semester in Oxford. Junior and senior students have the opportunity to study in England by participating in an interdisciplinary semester at Oxford through a partnership program with Wycliffe Hall, affiliated with the University of Oxford. This program allows students to complete intensive scholarship with academic tutors to hone skills and delve into the areas that most interest them. Applicants must have a 3.7 GPA or higher.

The Uganda Studies Program is a CCCU partnership with Uganda Christian University in Mukono, Uganda. African culture, history, religion are the curricular focus with diverse cross-cultural experiences inside and outside of the classroom. Students may also pursue emphases in global health or social work.

American University provides an opportunity for a semester in Washington, D.C. with access to substantive internships and seminars with professionals involved in local, national, and international levels of the city.

Au Sable is an institute for Christian environmental stewardship with four campuses in the United States, Costa Rica, and South India, including one located in the north woods near the tip of Michigan’s Lower Peninsula. Summer classes are offered in environmental studies, natural history, field biology, environmental ethics, restoration ecology, ground water stewardship, and global development and ecological stewardship. Information is available in the Department of Geology and Environmental Studies. Wheaton students may qualify to receive grants, scholarships, and fellowships from the Institute to support their studies at Au Sable campuses.

The International Sustainable Development Studies Institute (ISDSI) provides expeditions into the diverse cultures and ecologies of Thailand. The semester-long program includes Thai language study as well as a synthesis of academic study and experiential learning.

Jerusalem University College offers programs with courses in biblical studies as well as the historical, geographical, and cultural aspects of the area. This program is ineligible to receive federal financial aid.

The Creation Care Study Program is based at environmental centers in Belize, and New Zealand. Students take courses in ecology, community development, and environmental stewardship.

An agreement in place with Illinois Tech allows students in the Dual Degree Engineering Program to take courses at Illinois Tech in Chicago during the first three years of the five-year engineering program. See the Physics and Engineering (p. 122) section of this catalog for more information.

Wheaton is one of thirteen members of the Christian College Consortium. The purpose of the Consortium program is to provide for helpful sharing among the member colleges and is designed to reinforce the unique purposes of member institutions, with primary consideration given to the implications and imperatives of the Christian world and life view in higher education. This program provides the opportunity for students to enroll with ease for one semester as a visiting student at another Consortium college or participate in their college-run off-campus programs. See GPS or the Registrar’s Office for information.

Other Semester Study Abroad Options
https://www.wheaton.edu/academics/global-programs-and-studies

In addition to the programs listed above under "Cooperative, Council and Consortium Programs," Wheaton students have additional options for semester study abroad. Please contact the Director of Study Abroad and visit the Global Programs and Studies website for more information.
UNDERGRADUATE PROGRAMS

Majors

Majors listed below:

A
- Anthropology Major (p. 220)
- Applied Health Science Major (p. 49)
- Applied Health Science Major with the Urban Public Health Concentration (p. 50)
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- Art Major with a Studio Art Concentration (p. 56)
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- Biblical Archaeology Major (p. 68)
- Biology Major (p. 75)
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- Biology Major with Teacher Licensure (p. 76)
- Biotechnology Program of Study (p. 151)
- Business/Economics Major (p. 80)

C
- Chemistry Major (p. 83)
- Chemistry Major with a Biochemistry Concentration (p. 84)
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- Chemistry Major with an American Chemical Society Certification and a Biochemistry Concentration (p. 85)
- Chemistry Major with Secondary Education Licensure (p. 85)
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- Classical Languages Major (Greek/Hebrew/Latin) (p. 174)
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E
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- Elementary Education Major (p. 119)
- Engineering, Dual Degree (p. 200)
- English Major with a Literature Concentration (p. 130)
- English Major with a Teaching Concentration (p. 130)
- English Major with a Writing Concentration (p. 131)
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F
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- French Major with Secondary Education Licensure (p. 175)

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H
- History Major (p. 146)
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- Music, Bachelor of Music in Pedagogy (p. 250)
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P
- Philosophy and Art History Double Major (p. 58)
- Philosophy and Art History Double Major (p. 193)
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- Philosophy Major Integrated with Christian Formation and Ministry (p. 187)
- Philosophy Major Integrated with Classical Languages (p. 187)
- Philosophy Major Integrated with Communication (p. 188)
- Philosophy Major Integrated with English Literature (p. 188)
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- Philosophy Major Integrated with German (p. 189)
- Philosophy Major Integrated with German Philosophy (p. 190)
- Philosophy Major Integrated with History (p. 190)
• Philosophy Major Integrated with International Relations (p. 191)
• Philosophy Major Integrated with Mathematics (p. 191)
• Philosophy Major Integrated with Physics (p. 192)
• Philosophy Major Integrated with Political Science (p. 192)
• Philosophy Major Integrated with Psychology (p. 193)
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• Physics, Bachelor of Arts (p. 198)
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• Psychology Major (p. 210)

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• Secondary Education Major (p. 120)
• Sociology Major (p. 219)
  • Spanish Major (p. 177)
  • Spanish Major with Secondary Education Licensure (p. 178)

U
• Urban Studies Major (p. 225)

Minors
Minors listed below:

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• Anthropology Minor (p. 221)
• Art Minor Studio Art Concentration (p. 58)
• Asian American Studies Minor (p. 151)

B
• Biblical and Theological Studies Minor (p. 68)
• Biblical Archaeology Minor (p. 69)
• Biology Minor (p. 76)

C
• Chemistry Minor (p. 86)
• Chinese Minor (p. 174)
• Christian Formation and Ministry Minor (p. 90)
• Classical Languages Minor (Greek/Hebrew/Latin) (p. 174)
• Communication Minor (p. 98)
• Computer Science Minor (p. 163)

E
• Economics Minor (p. 81)
• English Minor (p. 132)
• Environmental Science Minor (p. 135)

F
• Family Studies Minor (p. 220)
• French Minor (p. 175)

G
• Geology Minor (p. 139)
• German Studies Minor (p. 177)

H
• Hebrew Bible Minor (p. 71)
• History Minor (p. 146)

I
• International Relations Minor (p. 205)

M
• Mathematics Minor (p. 163)
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P
• Philosophy Minor (p. 194)
• Physics Minor (p. 200)
• Political Science Minor (p. 204)
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S
• Social Action Minor (p. 220)
• Social Work Minor (p. 220)
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T
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Certificates listed below:

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E
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M
- Military Science Certificate (p. 166)
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N
- Neuroscience Certificate Program (p. 210)

P
- Peace and Conflict Studies Certificate (p. 205)
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R
- Religions of the World Certificate (p. 70)

W
- Worship Arts Certificate (p. 252)

Y
- Youth Ministry Certificate (p. 92)
GRADUATE

- Graduate Academic Policies and Information (p. 264)
- Graduate Admissions (p. 271)
- Graduate Student Life (p. 275)
- Graduate Programs (p. 278)
- School of Biblical & Theological Studies (p. 279)
- School of Mission, Ministry & Leadership (p. 291)
- School of Psychology, Counseling & Family Therapy (p. 311)
- Applied Linguistics and International Education (p. 321)
- Education (p. 325)

Course Information

Numbering
Courses numbered 300 and above are considered to be upper division courses. Graduate courses are numbered from 500-899. A limited number of suitably enriched undergraduate courses (300-499), with approval of the graduate student's advisor and the instructor of the course, can be applied toward a master's degree.

Credit and Term
All courses are four semester hours unless otherwise designated. Half-courses (Quads) usually meet for only half of the semester and carry two hours credit. Some half-courses are offered for the full semester and are designated as linear (lin), with no quad designation in the course schedule.

The letter "x" indicates that a course is also offered in another department and carries credit in either department. Courses offered only in a particular semester are designated F (fall), S (spring), or Su (summer). Courses offered in alternate years are also so indicated.
GRADUATE ACADEMIC POLICIES AND INFORMATION

- Academic Requirements (p. 264)
- Academic Information (p. 265)

Graduate Education

The graduate programs of Wheaton College focus on areas of strategic importance to church and society where our historic strengths enable us to make distinctive contributions to the world of Christian higher education. These strengths include clear commitments to the supreme and final authority of the Scriptures, a tradition of excellence in academic pursuits rooted in the liberal arts, and a commitment to bringing Christian faith and learning together in the context of a dynamic community of faith.

These carefully planned graduate programs seek to bring Christian belief and perspectives to bear on the needs of contemporary society. Students have the opportunity to work closely with accomplished teacher-scholar-practitioners and where possible, with accomplished scholar-practitioners outside of Wheaton. We provide academic and professional preparation that will enable the committed Christian student to articulate a biblical and global worldview and to apply it to service for Christ and His Kingdom.

The graduate programs are designed to enable our graduate students to:

- develop an appropriate graduate-level mastery of an academic discipline and of its methods of scholarly inquiry and professional application;
- develop a biblical framework for understanding their discipline in order to integrate faith, learning, and practice effectively;
- develop interdisciplinary breadth and inquiry through our required component of biblical and theological study and through exposure to the broader liberal arts emphases of our academic community;
- pursue their own holistic development in the context of this dynamic community of faith in order to prepare to serve Christ and His Kingdom throughout the world;
- effectively serve to improve society and building the church—locally, nationally, and globally—in their chosen vocations by using critical thinking skills in the disciplines.

Since the integrating core of all of our graduate programs is our institutional commitment to grounding academic study in Christian truth (i.e., “integrating faith and learning”), foundational knowledge of the Scriptures is a prerequisite to successful study here. Many students bring rich experience from domestic and global Christian ministry to their graduate studies at Wheaton College, and many Wheaton College graduate alumni have in turn made distinctive contributions to church and society around the world.

Graduate studies at the master’s degree level are available in Biblical Exegesis, Biblical Studies, History of Christianity, Old Testament Archaeology, Theology, Clinical Mental Health Counseling, Marriage and Family Therapy, Christian Formation and Ministry, Outdoor and Adventure Leadership, Teaching (Elementary and Secondary), Intercultural Studies, TESOL and Intercultural Studies, Evangelism & Leadership, Ministry and Leadership, Missional Church Movements, and Humanitarian & Disaster Leadership. A Doctor of Philosophy (Ph.D.) in Biblical and Theological Studies and a Doctor of Psychology (Psy.D.) degree in Clinical Psychology are also offered.

Several non-degree graduate level certificate program are also available: Certificate in Teaching English to Speakers of Other Languages (TESOL), Certificate in Teaching English as a Foreign Language, Certificate in Global Engagement and a Certification in Cross-Cultural Ministry.

Academic Requirements

Upon satisfactory completion of the requirements for graduation, Wheaton College confers upon the student the degree of Master of Arts, Master of Arts in Teaching, Doctor of Philosophy, or Doctor of Psychology. A certificate of post-baccalaureate study will be awarded to those students who complete specific certificate program requirements. Certificate students are subject to the same academic standards as M.A. students, and a 2.80 cumulative GPA is required.

A student is subject to the requirements listed in the catalog for the year in which the first enrollment occurred or to the requirements of a subsequent catalog under which the student is enrolled for credit as a degree-seeking student. All requirements must be met, however, under the same catalog.

A student who completes degree or certificate requirements in December, May, or August may participate in the annual May Commencement unless the academic department prescribes restrictions on participation, and will receive the diploma or certificate when all requirements are finished.

In a graduate school setting, research is of critical importance. The student is expected not only to reach a certain level of expertise in a chosen field of interest, but also to contribute to the ever-expanding fund of knowledge that this field encompasses. The research involved in that contribution is to be of the highest order in terms of theory, as well as technique, with excellence at every stage as its proximate and ultimate goals. It is only as such standards are applied and such results attained that the term graduate can be used properly to describe an educational experience. For this reason research projects, theses, and internships are an integral part of the graduate program.

Graduation Requirements for Master of Arts

(Note: Graduate students should consult the appropriate handbook for additional information on graduation, candidacy status, research project requirements, as well as various procedures and protocols in the Graduate School.

The following requirements must be met for graduation:

- A minimum of six semester hours must be taken in Bible and Theology courses. The courses are to be taken in residence at Wheaton College, and are to be selected only from the approved list noted later in this section of the catalog.
- A cumulative grade point average of 2.80 must be maintained for all courses taken which apply toward the degree.
- The requirements for courses for one specific graduate program must be satisfactorily completed. Courses must be selected from course numbers 500-699. Unless otherwise limited by the academic program, and with advisor and course instructor approval, up to eight credits of 300- and 400-level courses can be applied toward a master’s degree.
- Normally, courses taken at Wheaton College will be selected from regularly scheduled courses. However, a maximum of eight credits (four credits in the Biblical and Theological Studies programs,
Candidacy

Students must submit an approved masters’ degree program plan to achieve candidacy status by the time they have completed 12 semester hours at Wheaton. Students who are not accepted into candidacy by departmental vote at that point in their program cannot register for additional degree courses without special permission.

To receive candidacy status, students must submit a degree program plan (also known as a candidacy plan), pass the academic department vote, complete all program deficiency and prerequisite courses, and have at least a 2.80 grade point average.

Biblical and Theological Studies Requirement (TSR)

All students are required to take at least six semester hours in Biblical and Theological Studies courses as part of their master’s degree program at Wheaton. Building on foundational biblical and theological knowledge, this Biblical and Theological Studies (TSR) requirement, supported by the integrative focus of all of the graduate programs, prepares students to:

• Employ appropriate hermeneutical methodology in the accurate interpretation and application of biblical texts;
• Evaluate and construct theological statements and systems for congruence with Scripture and historical Christian orthodoxy;
• Evaluate presuppositions, positions, and systems in their disciplines for congruence with Scripture and historic Christian orthodoxy.

All non-Bible and Theology master’s-level students must select one course from the Category I list:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BITH 565</td>
<td>Christian Theology</td>
<td>4</td>
</tr>
<tr>
<td>BITH 566</td>
<td>Foundations for Biblical Interpretation</td>
<td>4</td>
</tr>
<tr>
<td>BITH 576</td>
<td>History of Christianity to 1900</td>
<td>4</td>
</tr>
</tbody>
</table>

Students entering the graduate program with an M.Div. (or comparable M.A.) degree, or in some cases students who have had previous documented graduate-level courses with significant content overlap, may be granted permission to substitute one of the following for the Category I TSR course:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BITH 577</td>
<td>World Christianity</td>
<td>4</td>
</tr>
<tr>
<td>BITH 638</td>
<td>Old Testament Theology</td>
<td>4</td>
</tr>
<tr>
<td>BITH 648</td>
<td>New Testament Theology</td>
<td>4</td>
</tr>
<tr>
<td>BITH 675</td>
<td>Advanced Systematic Theology</td>
<td>4</td>
</tr>
</tbody>
</table>

as well as one course from the academic discipline-specific Category II list:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BITH 521</td>
<td>Theology Of Education (required for the Master of Arts in Teaching program)</td>
<td>2</td>
</tr>
<tr>
<td>BITH 561</td>
<td>Theological Anthropology (required for the Clinical Mental Health Counseling and Marriage and Family Therapy programs)</td>
<td>2</td>
</tr>
<tr>
<td>EVAN 526</td>
<td>Gospel: Theological Perspectives on Evangelism and Renewal (required for the Evangelism &amp; Leadership program)</td>
<td>4</td>
</tr>
<tr>
<td>HESD 512</td>
<td>Bible in Ministry (required for the Higher Education and Student Development program)</td>
<td>2</td>
</tr>
<tr>
<td>INTR 531</td>
<td>Theological Foundations (required for the Intercultural Studies program)</td>
<td>2</td>
</tr>
<tr>
<td>OAL 662</td>
<td>Theology and Practice of Outdoor Ministry (required for the Outdoor and Adventure Leadership program)</td>
<td>4</td>
</tr>
</tbody>
</table>

Students who have completed a previous Master of Arts degree at Wheaton College may use the 4 credit Category I TSR course that was taken in their first M.A. degree toward their second M.A. degree at Wheaton College. However, the typically 2 credit Category II TSR course is not transferrable from the first M.A. to the second M.A. degree.

Students who completed a previous M.A. or comparable degree at another institution must still complete both the 4 credit Category I TSR course and the 2 credit Category II course at Wheaton College in order to fulfill the complete 6 credit TSR requirement.

Academic Information

Graduate Programs

Graduate programs are offered leading to the Doctor of Philosophy in Biblical and Theological Studies, Doctor of Psychology in Clinical Psychology, the Master of Arts in Teaching (Elementary Education and Secondary Education), and the Master of Arts in the following disciplines:

• Biblical Archeology
• Biblical Exegesis
• Biblical Studies
• History of Christianity
• Theology
• Christian Formation and Ministry
• Clinical Mental Health Counseling
• Evangelism and Leadership
• Humanitarian and Disaster Leadership (beginning in Summer 2018)
• Intercultural Studies
• Marriage and Family Therapy
• Ministry and Leadership
• Missional Church Movements
• Outdoor and Adventure Leadership
• TESOL and Intercultural Studies

The graduate programs are arranged to allow maximum flexibility for each student to individualize a program to best meet the student’s interests and goals. A student can develop a program in a variety of concentrations within these broad areas of study.

In addition to the degree programs, there are also some non-degree, graduate-level certificate programs available:

• Certificate in Teaching English to Speakers of Other Languages (TESOL)
• Certificate in Teaching English as a Foreign Language
• Certificate in Global Engagement
• Certification in Cross-Cultural Ministry

Registration
Students must be officially registered for all courses they attend. Newly admitted and readmitted students for Fall and Spring register via Banner Self Service or on registration day during Orientation. After the official registration day, a late registration fee is charged to the student. For quad courses and other deadlines, see Registrar’s Calendar (p. 496) in this catalog.

Students who expect to enroll in subsequent semesters must complete advance registration during the scheduled time. Financial accounts must be paid and all holds remedied before students may advance register. Information regarding registration is sent to campus post office boxes two weeks prior to Advance Registration. Before going online to register via Banner Self Service, students must obtain an additional “semester PIN” from their advisors.

Schedule Changes
Schedule changes should be made during the two weeks of the semester in the Registrar’s Office or via Banner Self Service. (For quad courses and other deadlines, see Registrar’s Calendar (p. 496) in this catalog.) Full semester and quad courses may be dropped without a grade during the first two weeks of the semester. After that time a student withdraws with a “W” grade. Full semester courses may be dropped through the twelfth week of the semester; quad courses, through the fifth week.

To drop a course after the second week of the semester, each student must submit the appropriate drop form to the Registrar’s Office. The student’s transcript will indicate a grade of “W” (withdrawal) for such withdrawals after the second week of classes. Students who do not officially drop classes will automatically be assigned a grade of “F” (failure) by the instructor. Refunds will be given according to the schedule listed in the Financial Information (p. 464) section of this catalog.

Transfer Credit

Transfer of Credit into MA Programs:
• From a Domestic Institution: At least 75% of the total hours required for a degree program must be taken from Wheaton College. With department approval, up to 25% of the program can be graduate-level transfer credit. Courses considered for transfer must have been taken at a regionally accredited institution (exceptions will be considered on a case-by-case basis). Courses in which the grade was lower than B- cannot be transferred. Grades from transferred courses are not used when determining a student’s cumulative grade point average at Wheaton. Credits from a conferred degree cannot be transferred. Courses taken more than eight years prior to enrollment at Wheaton may not be transferable. Students must complete their last semester of study at Wheaton.

• From a Non-U.S. Institution: At least 75% of the total hours required for a degree program must be taken from Wheaton College. With department approval, up to 25% of the program can be graduate-level transfer credit. Courses considered for transfer must have been taken at an institution determined by WES or ECE to be the U.S. equivalent of a regionally-accredited institution (exceptions will be considered on a case-by-case basis). Courses in which the grade was lower than B- (or equivalent as evaluated by WES/ECE) cannot be transferred. Grades from transferred courses are not used when determining a student’s cumulative grade point average at Wheaton. Credits from a conferred degree cannot be transferred. Courses taken more than eight years prior to enrollment at Wheaton may not be transferable. Students must complete their last semester of study at Wheaton.

Transfer of Credit into Graduate Certificate Programs (consisting of 18 credits or more):
• From a Domestic Institution: At least 75% of the total hours required for the certificate program must be taken from Wheaton College. With program approval, up to 25% of the program can be graduate-level transfer credit. Courses considered for transfer must have been taken at a regionally accredited institution (exceptions will be considered on a case-by-case basis). Courses in which the grade was lower than B- cannot be transferred. Grades from transferred courses are not used when determining a student’s cumulative grade point average at Wheaton. Credits from a conferred degree cannot be transferred. Courses taken more than eight years prior to enrollment at Wheaton may not be transferable. Students must complete their last semester of study at Wheaton.

• From a Non-U.S. Institution: At least 75% of the total hours required for a degree program must be taken from Wheaton College. With program approval, up to 25% of the program can be graduate-level transfer credit. Courses considered for transfer must have been taken at an institution determined by WES or ECE to be the U.S. equivalent of a regionally-accredited institution (exceptions will be considered on a case-by-case basis). Courses in which the grade was lower than B- (or equivalent as evaluated by WES/ECE) cannot be transferred. Grades from transferred courses are not used when determining a student’s cumulative grade point average at Wheaton. Credits from a conferred degree cannot be transferred. Courses taken more than eight years prior to enrollment at Wheaton may not be transferable. Students must complete their last semester of study at Wheaton.
Transfer of Credit into Graduate Certificate Programs (consisting of 17 or fewer credits):

- Transfer credit is not allowed. All credits must be completed at Wheaton College.

Transfer of Credit into the PSYD Program:

- From a Domestic Institution: At least 75% of the total hours required for a degree program must be taken from Wheaton College. With department approval, up to 25% of the program can be graduate-level transfer credit. Courses considered for transfer must have been taken at a regionally-accredited institution (exceptions will be considered on a case by case basis). Courses in which the grade was lower than B- cannot be transferred. Grades from transferred courses are not used when determining a student’s cumulative grade point average at Wheaton. Credits from a conferred doctoral degree cannot be transferred. Courses taken more than eight years prior to enrollment at Wheaton may not be transferable. Students must complete their last semester of study at Wheaton.

- From a Non-U.S. Institution: At least 75% of the total hours required for a degree program must be taken from Wheaton College. With department approval, up to 25% of the program can be graduate-level transfer credit. Courses considered for transfer must have been taken at an institution determined by WES or ECE to be the U.S. equivalent of a regionally-accredited institution (exceptions will be considered on a case by case basis). Courses in which the grade was lower than B- (or equivalent as evaluated by WES or ECE) cannot be transferred. Grades from transferred courses are not used when determining a student’s cumulative grade point average at Wheaton. Credits from a conferred doctoral degree cannot be transferred. Courses taken more than eight years prior to enrollment at Wheaton may not be transferable. Students must complete their last semester of study at Wheaton.

M.A. Thesis/Applied Thesis/Action Research Paper

All M.A. or M.A.T. candidates who desire to write a thesis/applied thesis must follow the proposal process established by the Graduate School and their academic department (see Wheaton College Graduate School M.A. Thesis Proposal Process [https://www.wheaton.edu/graduate-school/academic-services/program-handbooks-and-guides]). An M.A.T. candidate writing an action research paper must submit a proposal to and receive approval from the Education Department before beginning the project. Once the student reaches Thesis/Applied Thesis/Action Research Continuation status, registration for Thesis/Applied Thesis/Action Research Paper Continuation will be coordinated by the student’s academic program and the Registrar’s Office. Continuous enrollment in Thesis Continuation is required for the student to retain status with the College, including the use of the College’s learning resources, facilities, and other benefits. A $50.00 fee will be charged for each semester (fall, spring and summer) of thesis/applied thesis/action research paper continuation.

Students will not receive a degree until their work has been accepted by Buswell Library, except in cases where the Thesis/Applied Thesis was not required for the degree.

An M.A. program change from thesis/applied thesis/action research (after initial registration) can be made by written request to the major department and the Registrar’s Office to substitute additional course work and comprehensive exams. The major department and Registrar will determine whether or not it is appropriate to grant the request. In the event that the request is granted, and if the additional course work requested is an independent study based on the original registration for thesis/applied thesis/action research, a processing fee of 20% of the current fall/spring tuition will be charged. If additional courses are taken, current tuition is charged.

Students are hereby notified that copies of a student’s thesis/applied thesis or action research paper will be made available to the public through the College’s library and by other means as determined by the Graduate School.

Ph.D. and Psy.D. Dissertation

Ph.D. and Psy.D. students must follow proposal and approval processes established by their academic program. Registration for Dissertation will happen according to the student’s academic program policies. Once the student reaches Dissertation Continuation status, registration for Dissertation Continuation will be coordinated by the student’s academic program and the Registrar’s Office. Continuous enrollment in Dissertation Continuation is required for the student to retain status with the College, including the use of the College’s learning resources, facilities, and other benefits. A $50.00 fee will be charged for each semester (fall, spring and summer) of dissertation continuation. Students will not receive a degree until their work has been accepted by Buswell Library.

Requirements for the Ph.D. dissertation in Biblical and Theological Studies are specified in the Ph.D. Student Handbook [https://www.wheaton.edu/Graduate-School/Degrees/BTS/PhD/Degree-Requirements] and the Ph.D. Dissertation Manual [https://www.wheaton.edu/Graduate-School/Degrees/BTS/PhD/Degree-Requirements].


Students are hereby notified that copies of a student’s dissertation will be made available to the public through the College’s library.

Audits

Any student carrying a full-time academic schedule (12 or more semester hours) may audit one course without charge by filing an approved audit application at the Registrar’s Office. In addition, part-time graduate students who will complete all graduation requirements by the end of the current semester are entitled to a free audit. No credit is given for audited courses and the courses are not automatically recorded on the student’s academic record. A transcript audit will be recorded on a student’s transcript when the audit is completed in accordance with the guidelines for a transcript audit. Part-time graduate students auditing courses are charged the student audit rate.

Spouse Audits

The audit privilege for a full-time graduate student may be used by the student’s spouse if the student is not auditing a course. Application for a spouse audit is made through the Graduate Records and Registration Office.

Course Load

To be classified as a full-time student, a master’s-level student must be enrolled for a minimum of 12 hours and a Ph.D. or Psy.D. student, for a minimum of 10 hours per semester. A full-time load for a four-week summer session is considered to be a minimum of four hours; for Psy.D. students, a minimum of six hours for the entire summer session.
Students desiring to enroll in more than 16 hours per semester must have the approval of the department chair. Since many graduate students work part-time or full-time, they should carefully consider their academic course load in relationship to the number of hours they must work. Students should consult with their advisors concerning the number of credit hours to register for each semester. Psy.D. students enrolled in the five-year Clinical Internship will be considered full-time students if working on the internship full-time. Ph.D. students working full-time on their dissertations (and confirmed by their dissertation advisors) are considered full-time students.

**Advisors**

The chair of the department, or a member of the faculty designated by the chair, will advise students concerning their program. Only those courses approved by the student’s advisor may be used toward the graduate degree.

**Grading System**

Eight grades are given for passing work, with significance as follows: A, outstanding; A-, superior; B+, very good; B, satisfactory; B-, C+, C, acceptable but below average; P, satisfactory. B is the acceptable norm for graduate school study.

Grade points are granted on the following basis:

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4 grade points per hour</td>
</tr>
<tr>
<td>A-</td>
<td>3.7 grade points per hour</td>
</tr>
<tr>
<td>B+</td>
<td>3.3 grade points per hour</td>
</tr>
<tr>
<td>B</td>
<td>3 grade points per hour</td>
</tr>
<tr>
<td>B-</td>
<td>2.7 grade points per hour</td>
</tr>
<tr>
<td>C+</td>
<td>2.3 grade points per hour</td>
</tr>
<tr>
<td>C</td>
<td>2 grade points per hour</td>
</tr>
<tr>
<td>F</td>
<td>0 grade points per hour</td>
</tr>
<tr>
<td>P</td>
<td>Pass (B- or better); not computed in grade point average</td>
</tr>
</tbody>
</table>

(Students in Ph.D. courses are awarded grades of "High Pass," "Pass," or "Fail".)

Courses officially dropped during the first two weeks of the term are not recorded. After that time the student will receive a W (withdrawal) grade for all courses which are dropped by the drop deadline. The W grade does not affect the student’s grade point average.

A student should resolve any questions about grades as soon as possible after grades have been received. A student has four months from the day grades are issued to question the grade earned. After that date grades will be considered final. Within the four-month period, a grievance by the student should be resolved with the instructor of the course. (See grievance procedure in the Student Handbook [https://www.wheaton.edu/graduate-school/degrees/phd-in-biblical-theological-studies/degree-requirements/program-handbooks-and-resources].)

**Incomplete Grades**

An incomplete grade (INC) may be assigned only for deficiencies as the result of illness or situations beyond the control of the student and not because of neglect on the part of the student. An incomplete grade must be made up by the end of the sixth week from the end of the semester or summer session in which it was received. If the course is not completed within the six-week time limit, a grade of F will be assigned.

The six-week time limit can be extended only by special permission of the Registrar in consultation with the instructor. The Incomplete Grade Request is available in the Registrar’s Office or on the Web at www.wheaton.edu/Academics/Services/Registrar/Forms/Graduate-Forms (http://www.wheaton.edu/Academics/Services/Registrar/Forms/Graduate-Forms). The Incomplete Grade application must be filed by the last day of final exams (or A Quad class) in the Registrar’s Office. Once the drop deadline has passed, a class cannot be dropped after an incomplete has been entered.

An In-Progress (IP) grade will be given when work cannot be completed by the end of a semester for non-classroom independent course work, such as an Independent Study, Internship, Thesis, Applied Thesis or Dissertation, or Tutorial. The completion deadline for finishing the work in order to receive a grade will lie with the professor. In-Progress grades will not affect the student’s grade point average.

**Pass/Fail**

This privilege may be granted for general undergraduate deficiency courses or elective courses not used for the M.A. degree. In each case the student will need the approval of an advisor and the instructor of the course before the pass/fail option is granted. Students entering with an undergraduate deficiency in Bible must take the courses for a letter grade. Under the pass/fail option a student must receive a regular grade of B- or better in order to receive a pass “P” grade in a graduate course. Therefore, the possible grades for a pass/fail course are P (pass), C (calculated in GPA) and F (failure). The form for requesting the pass/fail option can be found at www.wheaton.edu/Academics/Services/Registrar/Forms/Graduate-Forms (http://www.wheaton.edu/Academics/Services/Registrar/Forms/Graduate-Forms). See Registrar’s Calendar for deadlines for submission to the Registrar’s Office.

**Integrity of Scholarship**

By affirmation of the Wheaton College Community Covenant, all students, faculty, and staff are expected to understand and subscribe to the ideal of academic integrity and to take personal responsibility and accountability for their work. Academic dishonesty is a serious offense against an academic community and against the standards of excellence, integrity, and behavior expected of its members. Academic dishonesty degrades the educational and research mission of the College. Truth and honesty are to be followed in all academic endeavors, including the taking of examinations and in the preparation of class reports and papers. Areas of concern related to academic integrity include plagiarism, cheating, fabrication of information or data, unauthorized collaboration, lying, defrauding, misrepresentation, or deception related to assigned or voluntary academic work. The definition of academic dishonesty, the method for reporting violations, and the procedures of the disciplinary process are stated in the “Policy on Academic Honesty” in the Student Handbook ([https://www.wheaton.edu/life-at-wheaton/student-development-offices](https://www.wheaton.edu/life-at-wheaton/student-development-offices)) on the internet.

**Gender Inclusive Language**

For academic discourse, spoken and written, the faculty expects students to use gender inclusive language for human beings.

The policy is both theological and missional.

Evangelical Christians continue to have differences about how to interpret scripture in reference to many questions about what it means to be male and female, but we are united in the affirmation that both men and women are fully human, created in the image of God (Genesis 1:27).
The college seeks to equip students for service in the world for Christ. Students need to be ready to communicate in that world. We want our students to succeed in graduate school, in the corporate world, and in public communication, all settings in which gender inclusive language for human beings is expected and where the inability to use such language may well be harmful to the Christian witness.

Evangelical Christians are not separatists. Missionally, we have long been committed to being in the world and in the broader culture, following the example of Christ our Lord who does not “belong to the world” but who was sent into the world by the Father and so sends us (John 17:14, 18). We are commanded to be in the world for the sake of the gospel. Paul counsels Christians in Corinth to attend to the consciences of others giving “no offense to Jews or Greeks” (1 Cor. 10:32). Paul also draws on the doctrine of the goodness of creation (1 Cor. 10:26), reminding the church in Corinth that it will not be polluted by engagement in the world because the world is God’s.

Language remains fluid, and professors should discuss specific guidelines for practice with students.

Helpful resources for practice include:

The policy does not apply to language used for God nor does it require any rephrasing of quotations. The policy does not imply answers to contested questions about the best standards for biblical translation.

**Awards**

Each year several graduate students are selected by various departments to receive special recognition for unusually meritorious achievement. The awards take into consideration academic excellence, professional competence, and moral and spiritual character. The awards are:

- The Mary LeBar Award in Christian Formation and Ministry
- The Lois LeBar Award in Christian Formation and Ministry
- Norton Award in Missions and Intercultural Studies
- The Lonna Dickerson Award in Teaching English to Speakers of Other Languages
- The John A. Gratton Gospel and Culture Award
- The Dolores Gallagher Memorial Award
- Rech Award in Psychological Studies
- Schultz Award in Old Testament Studies
- Tenney Award in New Testament Studies
- Kantzer Award in Christian History and Theology
- Waterman Award in Old and New Testament Studies
- T. W. Wilson Award in Evangelism
- William Hiram Bentley Award for Ministry to the African-American Community
- The Richardson Award for Excellence in Biblical and Theological Studies
- The Frances J. White Award for Psychology and Ministry
- Hilligoss Award in Biblical Studies

**Leave of Absence**

The purpose of a voluntary Leave of Absence (LOA) is to provide students time away from Wheaton College for treatment of a medical or mental health condition that impairs a student’s ability to function successfully or safely as a member of the Wheaton College community. Wheaton College has designed this policy to ensure that students are given the individualized consideration and support necessary to address their particular circumstances. All students are required to consult with the Director of Student Care, the Graduate Student Life Coordinator, or the International Graduate Student Coordinator before applying for an LOA. The LOA policy applies to all undergraduate and graduate students except for doctoral students (see below). Please see the Graduate Student Life office (BGC 227) for details of this policy.

**Doctoral Degree Students.** Continuous enrollment in the graduate programs is an expectation for doctoral students until all degree requirements are satisfied. However for extraordinary reasons a student may be granted a program leave. Students granted program leave will have their degree completion time-limit extended by the length of their approved absence, effectively stopping their degree completion “clock”. Students who have a lapse in enrollment without an approved program leave must withdraw from their program and will be subject to the normal entitlements of such withdrawal. Please consult the corresponding Ph.D. Student Handbook or Psy.D. Student Handbook for further details.

In some situations, students taking a program leave may also qualify for the above mentioned institutional Leave of Absence policy which may qualify students to continue their health insurance (with limitations) and can be found in the Student Handbook with the full policy available in the Graduate Student Life office (BGC 227) and the Student Development office (SSB Suite 218).

If the circumstances for the program leave request are of a sensitive nature which the student prefers to not discuss in detail with the faculty, the student can first go to the Graduate Student Life Coordinator who will work with the student on initiating the program leave process and provide information and insight on the student rights to the PhD committee in the decision making process.

It is the responsibility of the student to understand the program leave and the ramifications of the leave on their loan repayment schedules, future financial aid/scholarship eligibility, health insurance coverage, re-activation of enrollment, etc.; and, to plan accordingly.

**Withdrawal from Graduate School**

A student who leaves the Graduate School during an academic term must officially withdraw from all classes, as well as secure approval from appropriate campus offices. Only those students who follow these procedures and return all appropriate documents to the Registrar will be classified as withdrawn in good standing. Withdrawal forms are obtained from the Registrar’s Office. For refund information see the Financial Information section of this catalog.

A student who leaves the College during the semester without obtaining permission to withdraw will be administratively withdrawn and may forfeit all fees or deposits paid to the College and “F” grades assigned.

If a student is asked to withdraw or is dismissed for disciplinary reasons, grades of “W” will be recorded on the transcript for courses in which the student is enrolled. The regular refund policy applies for a student who is dismissed for disciplinary reasons.

**Academic Probation/Dismissal**

Students are expected to pass enough hours and maintain a grade point average sufficient to be considered as making satisfactory academic
progress. A student’s academic status will be checked at the end of each semester and at the end of summer school.

When a student’s cumulative grade point average falls below 2.80 (3.00 for Psy.D.), the student will be placed on academic probation for the following semester of enrollment. Any student who fails to pass three-fourths of the credits in which s/he was enrolled may also be placed on probation.

During the probationary semester, the student must receive a semester grade point average of 2.80 (3.00 for Psy.D.) or higher in order to be continued on probation. When the student’s cumulative grade point average reaches 2.80 (3.00 for Psy.D.), the probationary status will be removed.

If the student’s semester grade point average for the probationary semester is below 2.80 (3.00 for Psy.D.), the student is subject to academic dismissal. Students dismissed may apply for readmission after one year has elapsed. A student who wishes to appeal dismissal status must make a written appeal within three days from the time the dismissal notification is received.

Students must maintain satisfactory progress to receive financial aid. When a student qualifies for academic dismissal, financial aid cannot be awarded. If, therefore, a student appeals a dismissal status and the appeal is granted, the student will be allowed to enroll on a probation status but will not receive financial aid. If a student who has been dismissed applies at a later date for readmission and the application is granted, the student will enroll on probation status but will not be eligible for financial aid until the dismissal conditions have been remedied.

Graduate students who still have athletic eligibility for an undergraduate athletic team cannot participate in intercollegiate athletics if they are on academic probation.

Involuntary Leave Policy
It is the policy of Wheaton College to foster a campus environment that is conducive to learning, promotes the College’s educational purposes, maintains reasonable order, and protects the rights and safety of all members of the College community. In extraordinary circumstances, the College may place a student on an involuntary leave of absence or take other appropriate action for reasons of personal or community safety. Such circumstances may include but are not limited to, engaging in physical or sexual violence, activity involving illegal drug or other controlled substances, disruptive conduct, conduct that threatens the safety of others, or conduct that demonstrates an inability to care of oneself.

The procedure will be initiated only (1) after reasonable attempts to secure a student’s voluntary cooperation for a medical or psychological evaluation or leave of absence have been pursued; or (2) if a student refuses to agree to, or does not adhere to reasonable conditions established for their continued presence on campus, or continued presence in college housing or other college program or activity.

The Involuntary Leave Policy applies to both undergraduate and graduate students of the College and to all College locations, programs, and activities. A full description of the policy is available from the Graduate Student Life office (BGC 227).

Academic Transcripts
All requests for academic transcripts must be made in writing to the Office of the Registrar. Transcripts will not be released to currently enrolled students and former students who have not paid their college bills in full or who are delinquent in loan repayments. The form for requesting a transcript is available at https://www.wheaton.edu/about-wheaton/offices-and-services/office-of-the-registrar/.

Official Communication
Wheaton College uses Banner Self Service, a component of the College’s administrative database system, and College-administered student email accounts for official communication between students and administrative offices.

Banner Self Service
Banner Self-Service provides online registration for classes and communication of class schedules, grades, student account balances, and financial aid information. Students access Banner Self Service through the Wheaton Portal at https://portal.wheaton.edu. Data encryption and user authentication protect students’ personal information.

Electronic Mail
Students are given College email accounts upon acceptance. Official notifications will be sent to these accounts. Students are responsible for reading their College email, and must use their College email accounts in official correspondence to ensure proper identification.
GRADUATE ADMISSIONS

Building from its historic liberal arts base, Wheaton College offers graduate programs which aim at the professional education of its students. Regardless of their professional or academic focus, the graduate programs at Wheaton College endorse the importance of a broadly based liberal arts education as the optimal preparation for graduate study at the College.

Students who are selected for admission to Wheaton College Graduate School should evidence a vital Christian experience, personal integrity, social concern, and academic ability. The College seeks students who desire a commitment to the educational outcomes valued by the graduate departments. These values include:

- Commitment to the centrality of the Word of God;
- Preparation in one of the distinct departmental disciplines;
- Commitment to liberal arts study within the Christian evangelical framework;
- Integration of the content (as well as the skills and attitudes) of the chosen discipline with theological foundations;
- Sensitivity to the special needs of the evangelical community.

Admission Requirements

Master of Arts applicants must have a bachelor’s degree from a regionally accredited college or university at a level indicative of quality scholarship (minimum 2.75 grade point average on a 4.00 scale).

Doctoral applicants must have a bachelor’s degree from a regionally accredited college or university at a level indicative of quality scholarship (minimum 3.0 grade point average on a 4.00 scale). Ph.D. applicants should have a minimum 3.5 GPA from master’s-level work.

All applicants from approved international colleges and universities are required to have the equivalent of a U.S. bachelor-level degree. Applicants from non-regionally accredited schools may be admitted on a provisional basis, pending completion of possible deficiencies, and will be considered for full admission to a degree program on an individual basis. Each applicant's case will be considered on its own merits. All entering students must have facility in the reading, writing, speaking, and comprehension of English to adequately complete graduate work. Admission exceptions, though rare, may be made on a case by case basis.

Optimal preparation for graduate study at Wheaton will be achieved by the student who has done undergraduate course work in the humanities, social sciences, natural sciences and mathematics, and foreign languages. This type of course work forms the core of a liberal arts education. These liberal arts studies are recommended for all entering graduate students. The theological studies courses required of all students presuppose some basic exposure to the humanities and sciences.

Each of the academic departments of Wheaton College Graduate School maintains its own requirements for admission beyond the completion of a U.S. bachelor’s equivalent (see requirements for academic departments). In most cases, these must be met by formal educational experiences.

Admission Procedure

Applicants are able to submit their application directly online at https://www.wheaton.edu/graduate-school/admissions/

Items You Submit Online

- General Application Form
- Application Fee (by credit card): $30.00 for M.A.; $50.00 for Doctoral
- Recommendations
- Personal Essays
- Résumé (overview of volunteer or work experiences)
- Research Paper (doctoral applicants, M.A. Old Testament Archaeology applicants, and Accelerated applicants)
- Personal interview with faculty (doctoral applicants and CMHC and MFT applicants)

Items You Request to Be Submitted to Our Office

In order for your application to be evaluated in a prompt and efficient manner, please request that the following items be submitted to:

Graduate Admissions Office
Wheaton College
501 College Ave.
Wheaton, IL 60187

- Transcript(s) - Transcripts must be sealed in an official university envelope issued by the institution. Certified E-Transcripts are preferred.
- Test scores - Test scores are sent to us directly from the testing organization. However, you may include a photocopy or self-report of your scores with your application for evaluation purposes. The official report is required before enrollment (Wheaton College code is 1905).

The following materials are required for Master of Arts applicants:

- Official transcripts of all academic credit since high school graduation.
- Recommendations from an academic advisor or college professor, a pastor or church leader, an employer or professional acquaintance. Clinical Mental Health Counseling and Marriage and Family Therapy applicants must also submit a recommendation from a mental health professional.
- A résumé that provides an overview of volunteer or paid work experiences.
- Clinical Mental Health Counseling and Marriage & Family Therapy applicants must submit scores from the Graduate Record Examination (GRE) general test. M.A. in Teaching applicants can submit scores from the Graduate Record Examination (GRE) general test or the Miller Analogies Test (MAT). Information concerning the GRE examination may be found at www.ets.org or toll-free 1.800.GRE.CALL. Information concerning the MAT can be found at http://www.milleranalogies.com.
- Old Testament Archaeology applicants must submit a research paper.
- Signed Statement of Faith and Community Covenant.
- $30.00 application fee.
- Personal interviews for Clinical Mental Health Counseling and Marriage and Family Therapy applicants.
- Applicants who are granted admission must confirm their acceptance by submitting a $100 advance deposit (see section on Advance Deposit).
The following materials are required for Doctoral applicants:

- Official transcripts of all academic credit since high school graduation.
- Ph.D. applicants must submit three academic recommendations and one church leader recommendation. Psy.D. applicants must submit recommendations from an academic advisor or college professor, a pastor or church leader, and an employer or professional acquaintance.
- Applicants must submit a sample of their academic writing, e.g., a copy of a class research paper. (Ph.D. minimum 20 pages; Psy.D. minimum 10 pages).
- An employment résumé or curriculum vitae.
- Scores from the Graduate Record Examination (GRE) general test. Information concerning this examination may be obtained by requesting the GRE Bulletin from the Educational Testing Service, Box 955, Princeton, NJ 08540. Website: www.ets.org (http://www.ets.org) or toll-free 1.800.GRE.CALL.
- Signed Statement of Faith and Community Covenant.
- Essays (Ph.D. must include mentor choice and dissertation topic).
- $50.00 application fee.
- Personal interviews for all doctoral application finalists.
- Applicants who are granted admission must confirm their acceptance by submitting an advance deposit (see section on Advance Deposit).

### Application Deadlines

<table>
<thead>
<tr>
<th>Program</th>
<th>Program, Classification, or Course</th>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
</tr>
</thead>
<tbody>
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<td>International Students</td>
<td>All M.A. programs</td>
<td>Jan 1</td>
<td></td>
<td></td>
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<tr>
<td>Doctoral Programs</td>
<td>Ph.D. in Biblical &amp; Theological Studies</td>
<td>Jan 1</td>
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<td></td>
<td>Psy.D. in Clinical Psychology</td>
<td>Dec 15</td>
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<td>Master's Programs</td>
<td>Old Testament Archaeology</td>
<td>Rolling</td>
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<td>Exegesis</td>
<td>Rolling</td>
<td>Nov 1</td>
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<td>Biblical Studies part-time cohort</td>
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<td></td>
<td>Outdoor &amp; Adventure Leadership</td>
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<td></td>
<td>Clinical Mental Health Counseling</td>
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<td>Marriage &amp; Family Therapy</td>
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<td>Evangelism &amp; Leadership</td>
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<td>Global Engagement</td>
<td>Mar 15</td>
<td>Oct 1</td>
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<td></td>
<td>Certification in Cross-Cultural Ministry</td>
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<td>Special Students</td>
<td>Special Student</td>
<td>Aug 15</td>
<td>Dec 1</td>
<td>May 1</td>
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<tr>
<td>Special Student for Evangelism &amp; Leadership courses</td>
<td><a href="http://www.wheaton.edu/Graduate-School/Admissions/How-to-Apply/Application-Deadlines">http://www.wheaton.edu/Graduate-School/Admissions/How-to-Apply/Application-Deadlines</a></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Audit</th>
<th>Any course</th>
<th>First day of class each term</th>
<th>First day of class each term</th>
<th>First day of class each term</th>
</tr>
</thead>
</table>

**Advance Deposit**

A nonrefundable advance deposit of $100 must be submitted with the M.A. applicant’s reply accepting admission to the Graduate School. **The advance deposits for doctoral programs are $200 for Psy.D. applicants, and $500 for Ph.D. applicants.** This will be credited toward tuition when the student enrolls.

**Classification of Students**

*Regular students* include all applicants who are admitted to the Graduate School in a degree or certificate program.

*Special students* are applicants who are not seeking a degree or who have missed the degree-student **application** deadline. Special students **may apply only 12 credit hours toward a degree** if they apply later as
degree-seeking students. The Graduate School is not obligated in any way to accept a special student for degree status.

**Flex Students** are students enrolled in a degree or certificate program composed entirely of intensive and online courses. Intensive courses consist of compressed “in-seat” class time (typically one or two weeks) with significant pre- and post class academic work.

**Auditors** are students attending graduate classes for personal enrichment and not for academic credit. Auditors must file the appropriate application form with the Registrar’s Office, register as an auditor, and pay the audit fee. Audited courses may be included on a student’s academic transcript if attendance and instructor’s expectations are met (see transcript audit application).

**International Students**

International students of high scholastic standing are invited to apply for admission to the Graduate School. Applications (except for Canadians) will be accepted for the fall semester only (other desired entry terms will be evaluated on a case by case basis). The deadline for the formal application is January 1.

The following requirements apply to all international students and to permanent residents of the U.S. whose native language is not English.

Applicants may choose to take one of the following language proficiency tests: the Test of English as a Foreign Language (TOEFL) paper based test, the TOEFL internet based test, or the International English Language Testing System (IELTS) The tests and our minimum requirements are outlined below. Scores must be no more than two years old.

<table>
<thead>
<tr>
<th>Language Proficiency Test</th>
<th>All Other Master of Arts Applicants</th>
<th>M.A., TESOL, Teaching, MFT and Doctoral Applicants</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOEFL — Paper Based Test</td>
<td>550</td>
<td>600</td>
</tr>
<tr>
<td>TOEFL — Internet Based Test</td>
<td>Minimum score of 18 points for each of 4 sections</td>
<td>Minimum score of 20 points for each of 4 sections</td>
</tr>
<tr>
<td></td>
<td>Total cumulative minimum of 80</td>
<td>Total cumulative minimum of 100</td>
</tr>
<tr>
<td>IELTS</td>
<td>Minimum score of 6.5</td>
<td>Minimum score of 7.0</td>
</tr>
</tbody>
</table>

**Exceptions to the required test scores may be made in the following instances:**

- The student is a citizen of Great Britain, Australia, Canada, New Zealand, or the British West Indies, and is a native speaker of English (GRE or MAT scores may be required).
- The student has studied in one of the countries mentioned above, or in the U.S., within the past two years and has a good academic record at the school attended (GRE or MAT scores may be required).
- The student has a recent TOEFL score (less than two years old). In this case the student will not be required to retake the TOEFL. Special arrangements may be made to take a written exam.

For information on the TOEFL, write to: Test of English as a Foreign Language, CN 6151, Princeton, NJ 08541-6151, USA. (Website: www.ets.org (http://www.ets.org)).

In order for the applicant to receive the Certificate of Eligibility (Immigration form I-20) required of all international students entering the United States, the following conditions must be met:

- The applicant must be formally admitted to a graduate degree program.
- Applicants which attended international schools need to submit a transcript evaluation completed from one of the following international credential evaluation agencies: WES (www.wes.org (http://www.wes.org)) or ECE (www.ece.org (http://www.ece.org)). Official transcripts from all post-secondary level schools attended, outside the U.S., from which academic credit was received. The report must include general equivalency, course by course evaluation, and grade point average (GPA).
- The applicant must submit a Certification of Finance form and payment for tuition, room, board, and health insurance for their first semester, by June 1 prior to enrollment in order for a Certificate of Eligibility (Form I-20) to be issued. If the student can verify s/he will not use college housing, and/or meal plan, that amount does not need to be sent.
- On the Certification of Finance form applicants must be able to demonstrate sufficient financial support to cover the total projected costs of education for the entire time of enrollment, for both billed and personal costs, and for family, if applicable. The student must also provide signed certification from the bank or sponsor(s) verifying the accessibility of funds. Strict government regulations require that Wheaton College verify the financial resources of international applicants.
- An international student will not be allowed to enroll for the next semester and continue graduate study if the student’s tuition (also, housing and/or meals if applicable) is not paid by the first day of classes. Failure to make payment will result in immediate withdrawal from Graduate School. International students may also participate in the Wheaton installment plan.

**Accelerated M.A. Program**

Wheaton College offers an Accelerated M.A. in the following programs:

Old Testament Archaeology, Biblical Exegesis, History of Christianity, Outdoor & Adventure Leadership, Theology, Higher Education

Student Development, Teaching (Elementary and Secondary License), Evangelism and Leadership, Humanitarian & Disaster Leadership, Intercultural Studies, and TESOL & Intercultural License. Wheaton College undergraduate students can earn a B.A. and M.A. in five years by taking graduate credit courses during their senior year. An application should be submitted to the Graduate Admissions Office prior to earning 90 undergraduate credit hours. After acceptance, students will be able to register for graduate-level courses after completing 90 undergraduate credit hours. Up to eight hours of graduate credit may be taken each semester (16-hour maximum taken as an undergraduate). The student will be given a graduate advisor, but will retain the undergraduate advisor and be classified as an undergraduate until the bachelor’s degree is earned. Earning a graduate degree by this method have a financial advantage. Courses taken toward this accelerated master’s degree program cannot be counted toward the student’s bachelor’s degree requirements.

**Readmission**

Regular students who have not registered for one semester and modular students who have not registered for two semesters and a summer, consecutively, must submit a **“Re-enrollment Application”** to the Graduate Admissions Office. Students seeking re-enrollment will need to submit
transcripts for work undertaken elsewhere in the interim, update medical and contact information, and may be required to submit an Action Plan. The Graduate Admissions Director and graduate program faculty will decide whether to approve, defer or deny re-enrollment. A student readmitted after the program limit (M.A.—five years; Ph.D.—six years; Psy.D.—seven years) must fulfill graduation requirements for the catalog of the year of readmission. Credits earned more than eight years prior to readmission may not be allowed to fulfill degree requirements except with department approval.

Doctoral students with an approved Leave of Absence need only to submit an "Enrollment Application" to the Graduate Admissions Office in order to initiate the process to resume their active status. The primary purpose of this form is to update information needed by support departments.
**GRADUATE STUDENT LIFE**

**Graduate Student Life Office**
The Graduate Student Life (https://www.wheaton.edu/Graduate-School/Student-Life) office seeks to nurture a supportive atmosphere for students as they learn how to relate the eternal truths of God to a complex and changing world. Students at Wheaton know that education is more than books and tests. We are involved in a learning process encompassing all of life and ministry. It is in the context of a vibrant, loving community that studying becomes learning.

This office also provides particular care for international students such as opportunities for regular interaction with international and American students and resources for cultural adjustment. Graduate students who have questions or would like to seek information student life at Wheaton College are encouraged to contact the Graduate Student Life Coordinator or the International Graduate Student Coordinator in the Graduate Student Life office.

**New Student Orientation**
To help new students adjust to life as a graduate student, the Graduate Student Life Office provides an orientation session before the start of each semester. These activities are designed to welcome new students to the Wheaton College Graduate School community and familiarize the student with the campus, faculty, and peers.

International student orientation is required for any international student holding an F-1 student visa and highly recommended for anyone who comes from anywhere other than the North American continent. A varied program of cultural, social, spiritual, and academic activities is planned to give students maximum assistance in adjusting to life in the United States.

**Student Handbook**
The student handbook provides important information on institutional policies, people, campus activities, tradition and organizations. Every effort is made to provide current and accurate information in this publication; however, the administration reserves the right to alter, amend, or abolish its rules, regulations, or policies at any time. The student handbook is published on the college website and on the intranet (authentication required).

**Graduate Student Ministries**
Spiritual Community is an important feature of the Graduate School. Our desire is for each student to grow closer to the Lord alongside others while studying at Wheaton. A variety of activities are planned to encourage this spiritual growth. Weekly chapel services, Wednesdays at 10:40 a.m. in Barrows Auditorium, unite the entire Graduate School community in worship. In addition, prayer meetings, small group fellowships, and opportunities for mentoring help students develop in their "Christian formation in relationship" with others.

**Student Organizations**
The Theological Society is an organization of graduate students primarily in the Theological Studies program. The Society seeks to promote theological learning and to provide a framework for fellowship. In addition to other services, an important part of the Society's activities is the presentation of outstanding scholars to the Wheaton College community.

The Graduate Psychology Student Association is an organization of the graduate students in the M.A. and Psy.D. programs. Its purpose is to provide opportunities for involvement in the implementation of the policies and procedures governing the graduate psychology programs. It provides encouragement and fellowship for the students, as well as providing opportunities to develop skills and direction in professional development. Officers and Standing Committee members are elected by the student body each year to represent the classes in each program.

**Campus Activities**
Each quad a variety of intramural sports are offered and graduate students are encouraged to participate. The Chrouser Sports Complex also offers group fitness classes open to all students and a fitness center, a walking/jogging track, a recreational gym with a climbing wall and swimming pool. Varsity athletic facilities include: King Arena (basketball & volleyball), Lawson Field (track & field), Lederhouse Natatorium (swimming), Leedy Field (softball), McCully Stadium (football/track), Joe Bean Stadium (soccer), and Lee Pfund Stadium (baseball).

The College provides a full and diverse activities calendar. Concerts, Chicago special events, selected films, theater productions, and campus "specials" are just a few of the offerings. The College's student newspaper, the Record, is published weekly. Many activities occur in the Todd M. Beamer Student Center which houses the College Post Office, The Stupe, Sam's, the Gameroom, and several meeting rooms.

**Student Services**

**Housing**
https://www.wheaton.edu/life-at-wheaton/housing/

The College rents a limited number of apartments to graduate students on a first-come, first-served basis. Single graduate students are housed in one-bedroom apartments, two students per apartment. A limited number of one-bedroom apartments are available for married international students and Colson Scholars. Family houses are available to rent for two years maximum on a limited basis for both married international students with children and married Colson Scholars with children. All units are furnished.

College-owned graduate housing is administered through the Housing Services Office; applications may be requested by emailing housingservices@wheaton.edu. Graduate students who opt to live off-campus are responsible for making their own housing arrangements. The Housing Services Office assists by providing a list of off-campus options, including apartments and rooms for rent.

**Food Service**
https://www.wheaton.edu/life-at-wheaton/housing/campus-dining/

Anderson Commons provides café service and seating for 700. Well-balanced meals from our food-service partner, Bon Appétit, offer menu variety for individual tastes. Several meal plan options are available through the Housing Services Office for those choosing to use this service. Meal plan start dates coincide with the beginning of each semester. Meal Plan additions or changes must be completed online at https://www.wheaton.edu/life-at-wheaton/housing/campus-dining/ by the end of the first week of classes each semester.

ThunderBucks are for use in Anderson Commons, Sam's, and The Stupe, which are located in the Beamer Student Center. ThunderBucks are flex dollars that are a part of the 10, 14 and 18 meal plans, as well as the 160 and 210 block plans. Unused ThunderBucks at the end of the fall semester can be rolled to the spring semester; unused ThunderBucks at the end of the school year will be forfeited.
The Learning and Accessibility Services (LAS) Office provides assistance and support learning for all students, promote equal access and cultivate an attitude of inclusiveness for students with learning differences or a physical or mental health condition. The LAS Office provides assistance for students needing accommodations for students with learning differences, physical, and/or mental health conditions and is a campus-wide resource for students wishing to develop their academic skill set. Through academic counseling and workshops, students are offered the opportunity to build on strengths, improve existing skills, develop new strategies, and access resources that will help enhance their learning experience. Individual meetings are available by appointment.

For students with learning differences, physical and/or mental health conditions, that meet the criteria of disability as defined by the Americans with Disabilities Act and Section 504 of the Rehabilitation Act, Wheaton College takes an individual, holistic approach to providing accommodation. A student must notify the College of his/her learning difference, physical and/or mental health condition, either at the time of admission or before the accommodation is required. Students requesting accommodations may be required to provide documentation from a physician, psychologist, psychiatrist or licensed learning specialist, that includes the student’s diagnosis, how the student is impacted by the condition and the accommodations and services that will be requested from Wheaton College. The Accessibility Specialist is available to assist students with any concerns/questions they may have with regard to their individual circumstances. Contact the Learning and Accessibility Services office for further information, 630.752.5674.

Counseling
https://www.wheaton.edu/Counseling/

The Wheaton College Counseling Center functions within a broad model that includes preventive and supportive interventions. For full-time, registered, degree seeking graduate students, we provide short-term individual, group, pre-marital, and couple therapy. We also provide off-campus psychotherapy, medical, psychiatric, and psychological testing referrals for various needs. Additionally, we provide outreach and consultation services to the greater campus community.

Problem areas we can assist you with: depression, eating disorders, effects of sexual abuse, effects of trauma or crisis, family of origin issues, parenting difficulties, fear and anxiety, feelings of inadequacy or failure, grief, guilt, loneliness, low self-esteem, management of chronic illness, management of stress, relationship conflict, academic distress, perfectionism, planning for future decisions, premarital issues, sexual concerns, substance abuse, and mental health crises.

On-campus counseling services are confidential, and available to graduate students from all backgrounds. For more information and details, please visit our website.

Career Planning
https://www.wheaton.edu/cvc

The Center for Vocation and Career (CVC) aids graduate students in understanding their unique educational experience, skills, and interests and how those can be utilized in the Kingdom of God. The CVC offers specialized career coaching, internship guidance, resume and cover letter review, employer events and job fairs, interview preparation, and more. Students can connect with the CVC on Handshake (https://wheaton.joinhandshake.com), an integrated career platform where they can search for jobs and internships, schedule a coaching appointment, register for events, and access additional CVC resources.
Other Services
For the convenience of students, the College operates a post office and a Campus Store.

Family Rights and Privacy Act
Wheaton College is in compliance with the Family Educational Rights and Privacy Act which is designed to protect the privacy of educational records, to establish the right of students to inspect and review their records, and to provide guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students also have the right to file complaints with the Family Educational Rights and Privacy Act Office concerning alleged failures by Wheaton College to comply with provisions of the Act. Such complaints should be sent to: Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Avenue, S.W., Washington, D.C. 20202-5920.

Wheaton College has adopted a policy which explains in detail the procedures used for compliance with provisions of the Act. Copies of the policy are available in the Registrar’s Office.

International Students
Graduate international students are an important part of the Wheaton College community. The Graduate Student Life Office, located on the second floor of the Billy Graham Center (BGC 228), aims to meet the needs and concerns of the graduate international students on campus. International orientation is required for all international students holding an F-1 student visa and is highly recommended for anyone who comes from anywhere other than the North American continent. A varied program of cultural, social, spiritual, and academic activities is planned to give students maximum assistance in adjusting to life in the United States. Opportunities are provided for students to interact regularly with other international students, as well as American students. For those holding an F-1 student visa, all U.S. Federal Immigration issues and maintenance are managed through this office, starting with the issuing of I-20s to advising on post graduation options.

Alumni Association
All graduates automatically become part of the Wheaton College Alumni Association. For information on alumni programs, upcoming events, and other services, contact Alumni and Parent Engagement.

Standards of Conduct
Membership in an academic community, particularly a Christian one, carries with it a unique and privileged responsibility. As a Christian institution, Wheaton seeks to relate biblical Christianity to academics, to co-curricular activities, to one’s personal life, and to society in general. The goals of Wheaton College Graduate School stated earlier in the catalog, therefore, assume that a member is both committed to Christ and desirous of a meaningful educational experience in an evangelical context. The student, by virtue of enrollment, agrees to accept the Community Covenant as a member of the campus community.
GRADUATE PROGRAMS

A
• Accelerated Master of Arts in Teaching: Elementary Licensure (p. 327)
• Accelerated Master of Arts in Teaching: Secondary/Special Licensure (p. 327)

B
• Biblical and Theological Studies, MA (p. 290)
• Biblical and Theological Studies, Ph.D. (p. 289)
• Biblical Exegesis, MA (p. 285)
• Biblical Studies, MA (p. 286)

C
• Christian Formation and Ministry, MA (p. 299)
• Clinical Mental Health Counseling, MA (p. 317)
• Clinical Psychology, Psy.D. (p. 318)
• Cross-Cultural Ministry Certification (p. 309)

E
• Evangelism and Leadership, MA (p. 301)

G
• General Master of Arts in Teaching: Elementary Licensure (p. 328)
• General Master of Arts in Teaching: Secondary/Special Licensure (p. 328)
• Global Engagement Certificate (p. 310)
• Global Leadership, MA (p. 304)

H
• Higher Education and Student Development, MA (p. 305)
• History of Christianity, MA (p. 287)
• Humanitarian and Disaster Leadership, MA (p. 306)

I
• Intercultural Studies, MA (p. 306)

M
• Marriage and Family Therapy, MA (p. 318)
• Ministry Leadership, MA (p. 307)
• Missional Church Movements, MA (p. 307)

O
• Old Testament Archaeology, MA (p. 288)
• Organizational Leadership Certificate (p. 310)
• Outdoor and Adventure Leadership, MA (p. 308)

T
• Teaching English as a Foreign Language (TEFL) Certificate (p. 323)
• Teaching English to Speakers of Other Languages (TESOL) and Intercultural Studies, MA (p. 323)
• Theology, MA (p. 288)
Master of Arts

The Wheaton Biblical and Theological Studies graduate program provide both a theological base and methodological skills for doctoral work and for use in a variety of ministries. Among these are teaching, campus ministries, missions, evangelism, writing and research, administration, church and parachurch groups, lay persons in various fields, and personal enrichment. The concentrations in the Biblical and Theological Studies graduate program stress the concepts, principles, history, and methods of the theological disciplines.

The program provides a scholarly, helpful, and understanding atmosphere in which students confront both traditional and contemporary interpretations and issues. It is committed to helping students formulate and articulate a biblical and global understanding of life and ministry in a setting committed to traditional biblical Christianity.

M.A. Degree Requirements

Students must select one of four concentrations available:

- Biblical Exegesis
- Biblical Studies
- History of Christianity
- Theology

Students (excluding those pursuing the M.A. in Biblical Exegesis) are required to take a comprehensive exam. Students should register for BITH 692 Graduate Comprehensive Exam (p. _____) in the semester in which they intend to take the exam. Comprehensive exams can be failed only once. A student failing a particular exam (in part or as a whole) may retake the exam at the announced time in the following semester. All students desiring to write a thesis must apply in writing for the privilege. Students planning to complete a thesis during the summer must be sure their supervisor will be available. All students writing a thesis must register for BITH 698 (p. _____) and BITH 699 (p. _____) in all subsequent semesters. Students approved to write a thesis must also pass the comprehensive exam.

For M.A. programs in History of Christianity, Theology or Biblical Studies, with their advisor’s approval and instructor’s permission, students may take up to 8 credit hours of ancient or modern language study as electives in their program. These courses must be taken at Wheaton College at the 500 level, and must be done while enrolled as a graduate student. Foreign language credits may not be applied to a second M.A. degree. For students who have already completed one of the M.A. programs offered in the department will be reduced by up to 12 hours from the number of hours required for the second M.A. Students would be allowed to use up to 12 hours of the common core courses (Old Testament Theology, New Testament Theology, and Christian Theology) toward the second M.A. degree from the same department.

Most courses will be taken at the 500- and 600-level in the Biblical and Theological Studies area. Four hours of elective courses may be taken in other graduate departments, except in the Biblical Exegesis concentration and for Doctor of Psychology students pursuing an MA degree in Biblical and Theological Studies. Unless otherwise noted, a maximum of eight hours (only four hours in the Biblical Exegesis and Biblical Studies concentrations) from 300- and 400-level courses suitably enriched to carry graduate credit may be taken with approval of the student’s advisor and the instructor. Each student works with an advisor to determine the appropriate concentration and to individualize the degree program based on the student’s previous studies, interests, and goals.

Doctor of Philosophy

See Biblical and Theological Studies, Ph.D. (p. 289)

Faculty

Dean, Associate Professor David Lauber
Gunther M. Knoedler Professor of Theology, Daniel Treier
Armerding Professor of Biblical Studies, Michael Graves
Carolyn and Fred McManis Professor of Christian Thought, Timothy Larsen
Kenneth T. Weissner Professor of Biblical Studies, Douglas Moo
Franklin S. Dymness Associate Professor of Biblical & Theological Studies, Jennifer P. McNutt
Blanchard Professor of Old Testament, M. Daniel Carroll R. (Rodas)
Blanchard Professor of Old Testament, Richard Schultz
Professors Jeffrey Barbeau, Marc A. Cortez, Gene Green, Andrew Hill, Beth Felker Jones, George Kalantzis, Daniel Master, John Walton
Associate Professors Andrew Abernethy, Vincent Bacote, Keith Johnson, Gregory Lee, Adam Miglio, Amy Peeler
Assistant Professors Aubrey Buster, Carlos Sosa Siliezar
Associate Lecturer Emily McGowin

Admissions

Deadlines and requirements will vary depending on degree and program. See Graduate Admissions (p. 271) in the catalog for additional information or go to Wheaton College Graduate School Admissions (https://www.wheaton.edu/graduate-school/admissions):

Wheaton College Graduate School
Graduate Admissions
Toll free: 800.888.0141 or 630.752.5195
https://www.wheaton.edu/graduate-school/admissions

Admission to the Master of Arts program does not require a specific undergraduate major or prescribed set of courses. However, students are required to demonstrate sufficient knowledge in several areas. If such knowledge and proficiency cannot be demonstrated, additional undergraduate course work will be required. The areas of proficiency include:
• A basic knowledge of the Bible and theology.
• A general understanding of the major events, developments, and intellectual features of western civilization.
• Good skills in written and spoken English.

Other areas of proficiency will be required depending on which concentration is selected within Biblical and Theological Studies.

Programs

• Biblical Exegesis, MA (p. 285)
• Biblical Studies, MA (p. 286)
• History of Christianity, MA (p. 287)
• Old Testament Archaeology, MA (p. 288)
• Theology, MA (p. 288)
• Biblical and Theological Studies, Ph.D. (p. 289)
• Biblical and Theological Studies, MA (p. 290)

Courses

Bible and Theology Courses

Graduate students, with the approval of their advisors, may take certain 300- and 400-level courses, when suitably enriched, for graduate credit (eight hours maximum); 700- and 800-level courses are open only to Ph.D. students, unless otherwise specified or with approval of the program director and course instructor. All courses listed below carry four (4) hours of credit unless otherwise noted.

BITH 502. Hebrew. (4 Credits)
Basic grammar, syntax, and vocabulary with readings from the Old Testament and modern Hebrew authors. Prerequisite: HEBR 101

BITH 503. Language Study I. (2 or 4 Credits)
Graduate-level study of an ancient or modern language in conjunction with a one semester or advanced language course taught at Wheaton College. Requires advisor's approval and permission of instructor.

BITH 504. Language Study II. (2 or 4 Credits)
Graduate-level study of an ancient or modern language in conjunction with a second semester language course taught at Wheaton College. Requires advisor's approval and permission of instructor.

BITH 505. Language Study III. (2 or 4 Credits)
Graduate-level study of an ancient or modern language in conjunction with a one semester or advanced language course taught at Wheaton College. Requires advisor's approval and permission of instructor.

BITH 506. Language Study II. (0 Credits)
Building on BITH 505/GERM 372, this course meets weekly during the subsequent semester for an intensive workshop in reading/translating academic prose (primary sources; scholarly books and articles), with a particular focus on readings in theological disciplines and the humanities. Emphasis on textual analysis, review and expansion of key structures, management of linguistic challenges, and development of global reading skills. Prerequisite: BITH 505/GERM 372 or the equivalent.

BITH 508. Intro to Hebrew Exegesis. (4 Credits)
Hebrew language course designed for MA Biblical Exegesis students. Course will continue to develop student language acquisition through review of grammar and syntax, and through intensive reading of selected biblical texts. Introduction will be given to textual criticism, lexical semantics, and the Masoretic text. Prerequisites: HEBR 301 and HEBR 302.

BITH 509. Introduction to Greek Exegesis. (4 Credits)
Greek language course designed for MA Biblical Exegesis students. Course will continue to develop student language acquisition through review of grammar and syntax, and through intensive reading of selected biblical texts. Introduction will be given to textual criticism, lexical semantics, and modern editions of the Greek NT. Prerequisites: GREK 101 and GREK 102; or the equivalent.

BITH 517. Studies in Biblical Lands. (4 Credits)
A study of cultural, historical, geographical, and theological dimensions of the Old Testament, New Testament, and the Church through classroom lecture and travel to Israel, Greece, Turkey, and Rome. In addition, through contact with leaders and communities of non-western churches, Wheaton in the Holy Lands engages students with issues of the theological development of the Church down through the centuries. Summer only.

BITH 518. Studies in Biblical Lands. (4 Credits)
A study of cultural, historical, geographical, and theological dimensions of the Old Testament, New Testament, and the Church through classroom lecture and travel to Israel, Greece, Turkey, and Rome. In addition, through contact with leaders and communities of non-western churches, Wheaton in the Holy Lands engages students with issues of the theological development of the Church down through the centuries. Summer only.

BITH 521. Theology Of Education. (2 Credits)
An examination of fundamental theological issues underlying education, including the relationship of revelation to other disciplines, the Christian conception of persons and knowing, and the relationship of the Church to culture. Required for the Master of Arts in Teaching degree.

BITH 524. Intro to Hermeneutics. (2 Credits)
A theoretical complement to the methodology courses of BITH 542 and BITH 531. This course situates grammatical-historical biblical exegesis in a Christian hermeneutic, with a view to understanding the supporting rationale, life habits, and the aims of our exegetical practices within our life as God's people. Topics include: the history of hermeneutics; historical and theological approaches to interpretation; World Christian Perspectives; the importance and relations of authors, texts, readers, and divine agency; translation in word and life. This course is a prerequisite for BITH 532, BITH 635, and BITH 646 and a co-requisite for BITH 542 (Old Testament Hermeneutics) and BITH 531 (New Testament Hermeneutics).

BITH 525. Biblical Theology. (4 Credits)
A study of the major theological themes within the Old and New Testaments, based upon the biblical text and the writings of major biblical theologians. The course will also consider the historical development and interrelationship of these themes throughout the successive periods of biblical history.

BITH 526. Biblical Foundations of Worship. (2 Credits)
An examination of worship in the Bible, both Old and New Testament, with a view to developing a theology of worship that is consistent with the teachings of Scripture. Special attention will be given to the role of sign and symbol and the place of visual arts in Christian worship. The course will also explore the interface between the discipline of Positive Psychology and Christian religious belief and practice, especially as it relates to worship and spiritual formation. Undergraduate students, Prerequisite: BITH 211 or 221 or 312, or ARCH 211; or BITH 213 or 317, or ARCH 213.
BITH 528. Introduction to New Testament Exegesis. (2 Credits)
A practical hermeneutics course, orienting students to the principles and
practice of New Testament grammatical-historical exegesis. Focusing on
selected Greek texts chosen from various genres, attention will be given
to the literary and rhetorical strategies employed by biblical authors to
achieve their intended goals. Particular issues to be addressed include
textual criticism, lexical and grammatical analysis, compositional style
and genre and the broader canonical and historical contexts. This course
is a prerequisite for BITH 646 and BITH 532. Prerequisite: Greek language
competency.

BITH 531. New Testament Hermeneutics. (2 Credits)
This course will introduce those specific principles, resources, and skills
that are necessary for interpreting New Testament texts that are not
dependent on a mastery of the biblical languages. Primary attention will
be given to genre analysis, socio-cultural worldview, biblical criticism
(including issues of authorship and date of composition for individual
books), the significance of the history of interpretation and the role of
theology in informing interpretation. The focus throughout will be on
building methods useful for exegeting the text. Prerequisite: BITH 524
Introduction to Hermeneutics.

BITH 532. Greek Exegesis in the Septuagint. (2 or 4 Credits)
Introduces the Greek Old Testament and modern Septuagintal studies.
Exegesis of selected passages of the Greek Old Testament with special
reference to the corresponding passage in the Hebrew text and, when
relevant, its use in the New Testament. Prerequisite: BITH 524 and
BITH 528, completion of Greek competency and one year of Hebrew
or instructor’s approval. Counts toward Greek exegesis requirement in
Biblical Exegesis program.

BITH 533. Exploring the Old Testament. (4 Credits)
This course explores the Old Testament, with special attention given to
the storyline, historical contexts, and genres across all sections of the Old
Testament canon with the of mobilizing students to interpret Scripture.

BITH 534. Pentateuch. (4 Credits)
Primeval and patriarchal history. God’s sovereign rule as Creator and the
choice and development of Israel as his special people. A study of the
relationship between law and covenant and of Israel as a worshiping
community.

BITH 535. Prophets & Prophecy. (2 Credits)
A study of the phenomenon of prophecy in ancient Israel, in its
theological and cultural settings. In addition to the critical issues, the
major prophets will be examined and their message and theology studied
as part of the mainstream of the prophetic movement.

BITH 536. Old Testament Book Studies from the English Text. (2 or 4
Credits)
Studies of the content, message, and contemporary relevance of selected
portions of the Old Testament against the background and the setting of
the original writer and recipients.

BITH 537. Old Testament I: Pentateuch & Historical Books. (4 Credits)
A comprehensive study of the first half of the Old Testament, from
Genesis through Esther, with special attention given to the place of
biblical criticism, cultural backgrounds and biblical theology in scriptural
interpretation. This course is only open to students in the MA Biblical
Studies program.

BITH 538. Old Testament II: Prophets & Wisdom Books. (4 Credits)
A comprehensive study of the second half of the Old Testament, from
Psalms through Malachi, with special attention given to the place of
biblical criticism, cultural backgrounds and biblical theology in scriptural
interpretation. This course is only open to students in the MA Biblical
Studies program.

BITH 539. Ancient Near East Backgrounds of the Old Testament. (2
Credits)
An introduction to background and comparative studies that will focus on
methodology and the conceptual world of the ancient Near East. As the
cultures and literatures are compared both similarities and differences
will emerge and be evaluated for their impact and role in the exegesis of
the biblical text.

BITH 541. Old Testament Criticism. (2 Credits)
A study of the history, method, and results of modern historical
approaches to the Old Testament literature. Attention will be given
to a critical assessment of these developments from an evangelical
perspective.

BITH 542. Old Testament Hermeneutics. (2 Credits)
This course will introduce and utilize specific principles, resources, and
skills that are necessary for interpreting Old Testament texts but not
dependent on a mastery of the biblical languages. Primary attention will
be given to genre analysis, socio-cultural worldview, biblical criticism
(including issues of authorship and date of composition for individual
books), and the theological shape of the Hebrew canon, as well as the
potential contribution of these subdisciplines to the exegetical task.
Prerequisite: BITH 524 Introduction to Hermeneutics.

BITH 543. New Testament Criticism. (2 Credits)
A study of the history, method, and results of modern historical-critical
approaches to the New Testament literature. Attention will also be given
to a critical assessment of these developments from an evangelical
perspective.

BITH 544. New Testament I: Jesus & the Gospels. (4 Credits)
The course introduces the student to the life and teachings of Jesus
and to the development of the early church, focusing on the four gospels
with special attention given to the place of biblical criticism, cultural
backgrounds and biblical theology in scriptural interpretation. This course
is only open to students in the MA Biblical Studies program.

The course examines the book of Acts, Pauline letters, Catholic epistles
and book of Revelation, with special attention given to the place of
biblical criticism, cultural backgrounds and biblical theology in scriptural
interpretation. This course is only open to students in the MA Biblical
Studies program.

BITH 546. New Testament Book Studies from the English Text. (2 or 4
Credits)
The content, message, and contemporary relevance of selected portions
of the New Testament against the background of the setting of the
original writer and recipients. Logical units of the NT literature.

BITH 547. Life and Teachings of Jesus. (4 Credits)
The events and teachings of Jesus in their contemporary context
together with an analysis of current relevant research.

BITH 548. Life and Teachings Of Paul. (4 Credits)
The major aspects of the teachings of Paul in the context of his life and
times as reflected in selected parts of his letters and Acts.
BITH 551. Greco-Roman Backgrounds of NT. (2 Credits)
An introductory study of the Greco-Roman world, including its history, society, culture, religion, and literature, in relation to the expansion of early Christianity and the New Testament documents.

BITH 552. Jewish Backgrounds of the New Testament. (2 Credits)
A study of the history, literature, and thought within Judaism in the Persian and Hellenistic periods. In providing an important backdrop to the understanding and interpretation of the New Testament, emphasis will fall on the political and economic forces at work in Palestine, as well as the religious ideas and practices.

BITH 553. New Testament and Early Christian History. (4 Credits)
An investigation of the history, literature, and theology of the New Testament and Christianity prior to A.D. 325.

BITH 554. Topics in Archaeology. (2 or 4 Credits)
Separate courses devoted to specialized topics in archaeology.

BITH 555. Exploring the New Testament. (4 Credits)
The course introduces the student to the life and teachings of Jesus, the development of the early church, Pauline and general letters, and the book of Revelation. The focus is on biblical story and theology, and historical and cultural backgrounds in scriptural interpretation.

BITH 558. Topics in Advanced Biblical and Theological Studies. (2 or 4 Credits)
Separate courses devoted to the study of topics of general interest.

BITH 561. Theological Anthropology. (2 Credits)
A theological examination of the nature of persons with special reference to issues raised by modern philosophy and psychology.

BITH 562. Introduction to Old Testament Exegesis. (2 Credits)
A practical hermeneutics course, orienting students to the principles and praxis of Old Testament exegesis. Focusing on selected Hebrew texts, chosen from various genres, attention will be given to the literary and rhetorical strategies employed by biblical authors to achieve their intended goals. Particular issues to be addressed include textual criticism, lexical and grammatical analysis, compositional style and genre and the broader canonical and historical contexts. Prerequisites: HEBR 301, 302, 401.

BITH 563. Apologetics. (2 Credits)
Survey of the theological resources for meeting contemporary challenges to Christianity, including the problems of secularism, pluralism, evil, and the historicity of Jesus.

BITH 565. Christian Theology. (4 Credits)
An introduction to the methods of systematic theology and the major topics within the biblical revelation. Special attention is given to the rationale for these Christian doctrines, their systematic interconnections as well as their development within the history of Christian thought, and their contemporary challenges.

BITH 566. Foundations for Biblical Interpretation. (4 Credits)
A survey of the principles, methods, and issues of biblical and theological interpretation in the past and present. Intended for students in non-theological disciplines, as well as for those in Biblical and Theological studies who have limited theological preparation.

BITH 567. Theology of the Church. (2 Credits)
A study of the doctrine of the church, attending to traditional and contemporary debates and formulations. Prerequisite: BITH 315, 318, 372, 374 or 376.

BITH 568. Foundations for Biblical Interpretation. (2 Credits)
A survey of the principles, methods, and issues of biblical and theological interpretation in the past and present. Intended for students in non-theological disciplines, as well as for those in Biblical and Theological studies who have limited theological preparation.

BITH 569. Christian Traditions. (4 Credits)
A survey of the major Christian traditions with an emphasis on their theological presuppositions and systematic thought, including the common tradition of the early church, as well as the Orthodox, Catholic, Reformed, and modern Protestant traditions.

BITH 571. Introduction to the History of Christianity. (2 Credits)
A summary introduction to the history of Christianity designed to provide a rapid but comprehensive overview to assist students who seek basic understanding of the history of Christianity as a background for other fields of study. The emphasis is upon succinct summary, and the course will focus on key turning points in Church history from the early church to the twentieth century. Graduate students will attend the same lectures as undergraduates in HIST 305 but receive different syllabi with different levels of required work.

BITH 572. Doctrine of Scripture. (2 or 4 Credits)
See BITH 392.

BITH 573. Scripture and Theology. (4 Credits)
An in-depth examination of the ways in which theologians use Scripture in formulating theological proposals, both with regard to Christian doctrine (theology) and Christian practice (ethics). The course explores the nature of Scripture, the authority of Scripture, and ways in which the work of theology moves "beyond" Scripture in order to respond to the contemporary situation of the church.

BITH 576. History of Christianity to 1900. (4 Credits)
An introduction to the history of Christianity from the age of the apostles through the nineteenth century. The course treats the development of institutions, doctrines, and interactions with culture. It is divided into approximately equal sections on the early church, the church in the middle ages, the era of the reformation, and the period 1600-1900. The course is meant to be a complement of BITH 577, which focuses on the worldwide expansion of Christianity in the last two centuries.

BITH 577. World Christianity. (4 Credits)
A survey of the history of world Christianity since the middle of the nineteenth century. This course includes some background on the earlier missionary expansion of the Church, but its emphasis is on the transition of Christianity from a western to a world religion in the last two centuries.

BITH 581. The Reformation. (4 Credits)
The doctrines and practices of the Reformers (1450-1650) in their political, social, economic, and intellectual contexts. Special attention to Luther, the Reformed (Zwingli and Calvin), Anabaptists, the English Reformation, and the Catholic Reformation.

BITH 585. History of Christianity in North America. (4 Credits)
See HIST 483.

BITH 622. Theological and Religious Issues in Psychotherapy. (2 Credits)
A study of the religious issues that are confronted in psychotherapy, with an emphasis on the practical clinical applications and implications of Christian theology. The role of the psychologist as a healer and minister of grace will be considered, as well as topics such as sin and evil, confession, redemption, forgiveness, and the use of prayer and Scripture. (For Psy.D. students or with permission of instructor and department chair.)
BITH 623. The History of Pastoral Care. (2 Credits)
A survey of the principles and techniques of Christian nurture (the care of souls) from the time of Gregory the Great to the modern church in America. Both primary and secondary sources are read in an effort to understand how the church has ministered to persons with various needs and in varied circumstances. (For Psy.D. students or with permission of instructor and department chair.)

BITH 624. Theological Ethics for Counseling. (2 Credits)
A course designed to explore the biblical and theological foundations for a Christian ethic together with a consideration of the main Christian traditions in ethics. Case study applications will be made to issues in counseling. (For Psy.D. students or with permission of instructor and department chair.)

BITH 626. Majority World Theologies. (4 Credits)
Readings and discussions on the task of Biblical interpretation and theological reflection in the contexts of world Christianity. Prerequisites: BITH 533 and BITH 555.

BITH 631. Intermediate Hebrew. (4 Credits)
A comprehensive study of the basic principles and methods of interpreting the Hebrew Old Testament. Emphasis on reading as a tool to build vocabulary and understanding of Hebrew grammar and syntax. Prerequisite: working knowledge of Hebrew.

BITH 634. Poetic Books. (2 or 4 Credits)
The form and content of Hebrew poetry with its background in ancient Near Eastern literature. An examination of key passages in books such as Psalms, Proverbs, and Job.

BITH 635. Hebrew Exegesis. (4 Credits)
Exegesis of books or selected portions of larger books of the Hebrew Old Testament. Capability of translation is assumed because of the prerequisite. The purpose of the course is not to teach Hebrew grammar, but to interpret the Old Testament from the Hebrew text. Prerequisites: BITH 524, BITH 508 (Introduction to Hebrew Exegesis), BITH 542 (Old Testament Hermeneutics), and HEBR 302 or Hebrew Competency. Repeatable for different topics.

BITH 636. Hebrew Exegesis. (2 Credits)
Exegesis of books or selected portions of larger books of the Hebrew Old Testament. Capability of translation is assumed because of the prerequisite. The purpose of the course is not to teach Hebrew grammar, but to interpret the Old Testament from the Hebrew text. Prerequisites: BITH 524, BITH 508 (Introduction to Hebrew Exegesis), BITH 542 (Old Testament Hermeneutics), and HEBR 302 or Hebrew Competency. Repeatable for different topics.

BITH 638. Old Testament Theology. (4 Credits)
The major teachings of the various parts and the whole of the Old Testament with concentration upon some of the most important themes in an attempt to discover the intention of the biblical writers.

BITH 639. Advanced Old Testament Topics. (2 or 4 Credits)
Separate courses devoted to the study of specialized topics, issues, or areas within the Old Testament field.

BITH 641. Current Issues in OT Studies. (2 Credits)
An examination of recent trends in Old Testament scholarship with special attention paid to significant problem areas. Prerequisite: BITH 541.

BITH 642. The History of Pastoral Care. (2 Credits)
A survey of the principles and techniques of Christian nurture (the care of souls) from the time of Gregory the Great to the modern church in America. Both primary and secondary sources are read in an effort to understand how the church has ministered to persons with various needs and in varied circumstances. (For Psy.D. students or with permission of instructor and department chair.)

BITH 649. Advanced New Testament Topics. (2 or 4 Credits)
Separate courses devoted to the study of specialized topics, issues, or areas within the New Testament field.

An examination of recent trends in New Testament scholarship with special attention given to significant problem areas. Prerequisite: BITH 543.

BITH 653. Historical Theology. Patristic. (2 Credits)
An examination of the theological developments from the second through the fifth centuries. Special attention is given to the formation of the ecumenical creeds, developments in the doctrines of the canon, God, Christology, soteriology, ecclesiology, and the sacraments, as well as the nuances differentiating the Orthodox and Roman Catholic traditions.

BITH 654. Historical Theology. Medieval Christianity. (2 Credits)
An examination of the theological developments from the fifth through the fourteenth centuries. Special attention is given to the relationship between reason and revelation, soteriology, ecclesiology, the sacraments, and popular piety.

BITH 655. Historical Theology. Reformation. (2 Credits)
An examination of the key theological writings during the Reformation period, including selections by Lutheran, Calvinist, Anabaptist, and Catholic figures.

BITH 656. Historical Theology. Modern. (2 Credits)
An examination of the theological developments from the Enlightenment to the present, focusing on key figures representing nineteenth-century German liberalism, neo-orthodoxy, post-Vatican II Catholicism, liberation, and postmodern theology.
BITH 669. Topics In Theology. (2 or 4 Credits)
Selected topics in theology to provide for in-depth study of a selected topic of current interest.

BITH 673. Christian Ethics. (4 Credits)
An investigation of the biblical and theological foundations of Christian ethics, with attention to a range of contemporary moral issues.

BITH 674. Theology and the Liberal Arts. (4 Credits)
An in-depth examination of the interactions that have taken and are taking place between theology and the arts, as well as the natural and human sciences. Students will explore the ways that theology can assist the disciplines to be "for Christ and his kingdom" (and how the disciplines might return the favor to theology).

BITH 675. Advanced Systematic Theology. (4 Credits)
An in-depth examination of theological method and the major theological topics within the traditional loci, employing classical and contemporary theological texts.

BITH 676. Seminar Systematic Theology. (2 or 4 Credits)
676-1 (Section 1) Focused seminars providing for in-depth research of particular persons, movements, events, eras, topics, and themes in Systematic Theology. (2 or 4 credits); 676-2 (Section 2) Focused seminars providing for in-depth research of particular persons, movements, events, eras, topics, and themes in Systematic Theology (assumes an ancient language or modern language research component in primary and/or secondary resource materials). (4 credits)

BITH 677. Topics in the History of Christianity. (2 or 4 Credits)
Separate courses devoted to the study of the Christian church in specific eras or countries, or specific themes in church history.

BITH 679. Seminar in Historical Theology. (2 or 4 Credits)
679-1 (Section 1) Focused seminars providing for in-depth research of particular persons, movements, events, eras, topics, and themes in Historical Theology. (2 or 4 credits); 679-2 (Section 2) Focused seminars providing for in-depth research of particular persons, movements, events, eras, topics, and themes in Historical Theology (assumes an ancient language or modern language research component in primary and/or secondary resource materials). (4 credits)

BITH 682. Colloquium in the History of American Christianity. (2 or 4 Credits)
Special courses in specific aspects or themes of the history of the church in North America. Taught in conjunction with visiting scholars sponsored by the Institute for the Study of American Evangelicals.

BITH 683. Historiography of the History of Christianity. (2 Credits)
Christianity and history, with emphasis on the history of Church History, the implications for the meaning and practice of history, and the relationship of philosophies of history to the Christian faith.

BITH 684. Vocation Formation in Biblical and Theological Studies. (0 Credits)
This course is encouraged for students considering doctoral work, publishing, teaching, or ministry in the fields of History of Christianity, Theology, or Biblical Studies. This course explores Christian vocation formation in scholarship, professional, and ministry contexts. Readings in Christian vocation formation are assigned and discussed. Class sessions dedicate time to equipping students with practical skills such as in academic writing, research, conference participation, and applying to Ph.D. programs. Publishing as a profession as well as teaching and church/para-church ministry are explored in terms of Christian vocation and skills.

BITH 687. Seminar in American Christianity and Historical Theology. (2 or 4 Credits)
687-1 (Section 1) Focused seminars providing for in-depth research of particular persons, movements, events, eras, topics, and themes in Church History. (2 or 4 credits); 687-2 (Section 2) Focused seminars providing for in-depth research of particular persons, movements, events, eras, topics, and themes in Church History (assumes an ancient language or modern language research component in primary and/or secondary resource materials). (4 credits)

BITH 692. Graduate Comprehensive Exam. (0 Credits)
Prerequisites: The student should be in the final semester of coursework, have completed all core courses, or have completed all coursework. May be repeated once. Fee $25. Graded pass/fail.

BITH 693. Dossier for Biblical Exegesis. (0 Credits)
A culminating portfolio from coursework within the M.A. in Biblical Exegesis that demonstrates a student's attainment of the program learning outcomes. The dossier will consist of a hermeneutics paper, an exegesis paper, a biblical theology paper, and a theology paper, all of which demonstrate an understanding and engagement with diverse ethnic, gender, and majority world perspectives. This course can only be taken during the final semester of a student's degree and is a requirement for the M.A. in Biblical Exegesis program. Prerequisite: Final semester of M.A. in Biblical Exegesis.

BITH 695. Independent Study. (1 to 4 Credits)
Intensive research on a precisely defined topic related to some phase of Biblical and Theological Studies. Initiative for selecting the topic and proposing the methodology rests with the student. A faculty member must approve, recommend amendments (if necessary), supervise, and evaluate the project. Limit four hours in any one degree program except by special permission.

BITH 696. Internship. (2 or 4 Credits)

BITH 698. Thesis. (4 Credits)

BITH 699. Thesis Continuation. (0 Credits)

BITH 751. Introduction to Doctoral Research. (0 Credits)
Orientation to doctoral research in theology and to Wheaton's Ph.D. program in Biblical and Theological Studies.

BITH 793. Directed Study. (2 to 4 Credits)
Supervised independent study in conjunction with the auditing of a regular graduate BTS course.

BITH 794. Directed Study in the Liberal Arts. (2 to 4 Credits)
Supervised independent study in conjunction with a regular undergraduate course in the liberal arts.

BITH 795. Guided Research. (1 to 4 Credits)
Supervised independent study.

BITH 798. Supervised Pedagogical Experience. (2 Credits)
Students participate with a faculty member in teaching a course.

BITH 881. Biblical Interpretation & Theology. (4 Credits)
First year PhD students’ orientation to theological interpretation and contemporary practice in biblical theology, with special attention to hermeneutical issues.

BITH 882. Seminar: Topics in Biblical Theology. (4 Credits)
Intense study of a particular topic in biblical theology, normally including work in both Old and New Testaments.
ARCH 554. Topics in Archaeology. (2 or 4 Credits)
Separate courses devoted to specialized topics in archaeology.

ARCH 555. Statecraft and International Relations in the Ancient Near East. (4 Credits)
See ARCH 365.

ARCH 569. Religion of Israel and ANE. (4 Credits)
See ARCH 369.

ARCH 594. Seminar: Current Issues. (2 Credits)
A seminar devoted to exploring the current issues in Near Eastern archaeology that relate to biblical studies, especially those touching on historiography, historicity, social and cultural backgrounds, methodology, and faith.

ARCH 695. Independent Study. (2 or 4 Credits)
Independent Study

Biblical Exegesis, MA

The M.A. in Biblical Exegesis aims to mobilize students to study Scripture in the original languages within an evangelical framework. The curriculum revolves around building language competency and cultivating an integrated approach to exegesis, such as factoring in hermeneutical theory, historical and cultural contexts, literary genres, and the theological contours of the canon. Students are to choose from three concentrations within this degree:

- Old Testament concentration,
- New Testament concentration, and
- The Old and New Testament concentration.

All concentrations require 42 credit hours and require courses in hermeneutics, testament specific exegesis, language-based book studies, and theology.

Ancient Language Tuition Rebate Program

The M.A. in Biblical Exegesis requires either 8 or 16 hours of pre-requisites in Hebrew and/or Greek, depending on the chosen track. If a student takes GREK 101 and/or GREK 102, and/or HEBR 101 and/or HEBR 102 at Wheaton College upon enrolling in the program, please note that these classes do not count toward the completion of the 42-credit-hour Biblical Exegesis degree.

Wheaton College provides an Ancient Language Tuition Rebate for students who take Hebrew and/or Greek pre-requisite language courses at Wheaton. This rebate, covering up to 8 or 16 credit hours, significantly reduces the overall cost for anyone who has not previously studied the biblical languages. This rebate does not cover the cost for competency exams or the cost for ancient language courses taken at another college or university.

How Does This Work?

A student pays the tuition cost for a language pre-requisite course the semester they register to take the class. After successfully completing the ancient language course for that semester, the rebate is applied to the net tuition charges for the next semester the student enrolls. For example, if a student takes HEBR 101, which is a 4 credit hour course, during the fall semester, the following semester a tuition rebate will be awarded for the amount paid for HEBR 101 minus a proportion of any need-based grant (Wheaton Grant) OR any merit award (endowed scholarships).
It is best to take the ancient language pre-requisite courses early in your studies. The tuition rebate is not available after completing the 42 credit hours required to earn the degree. It is also not available if a student leaves the program without completing their degree. No cash will be disbursed to students who may take an ancient language course and then decide to leave the program.

**Faculty**

**Coordinator, Associate Professor** Andrew T. Abernethy

**Requirements**

**M.A. in Biblical Exegesis - Old Testament Concentration**

A prerequisite of competency in two semesters worth of Hebrew Grammar. Hebrew competency is defined as passing the equivalent of HEBR 101 and HEBR 102, or passing a Hebrew Grammar exam.

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<tr>
<th>Code</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>BITH 508</td>
<td>Intro to Hebrew Exegesis</td>
<td>4</td>
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<tr>
<td>BITH 524</td>
<td>Intro to Hermeneutics</td>
<td>2</td>
</tr>
<tr>
<td>BITH 542</td>
<td>Old Testament Hermeneutics</td>
<td>2</td>
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<tr>
<td>BITH 638</td>
<td>Old Testament Theology</td>
<td>4</td>
</tr>
<tr>
<td>BITH 565</td>
<td>Christian Theology</td>
<td>4</td>
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</tbody>
</table>

**Exegetical and Hermeneutical Process**

**Theology**

| BITH 635 | Hebrew Exegesis (repeatable for different topics) | 12      |
|          | or BITH 636 Hebrew Exegesis                      |         |

**Electives**

Select 14 credits; the student will work with their academic advisor to determine what electives will best meet the student’s interests and goals.

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<tr>
<td>BITH 693</td>
<td>Dossier for Biblical Exegesis</td>
<td>0</td>
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</tbody>
</table>

**M.A. in Biblical Exegesis - New Testament Concentration**

A prerequisite of competency in two semesters worth of Greek Grammar. Greek competency is defined as passing the equivalent of GREK 101 and GREK 102, or passing a Greek Grammar exam.

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<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>BITH 509</td>
<td>Introduction to Greek Exegesis</td>
<td>4</td>
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<tr>
<td>BITH 524</td>
<td>Intro to Hermeneutics</td>
<td>2</td>
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<tr>
<td>BITH 531</td>
<td>New Testament Hermeneutics</td>
<td>2</td>
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<tr>
<td>BITH 648</td>
<td>New Testament Theology</td>
<td>4</td>
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<tr>
<td>BITH 565</td>
<td>Christian Theology</td>
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</tbody>
</table>

**Exegetical and Hermeneutical Process**

**Theology**

| BITH 635 | Hebrew Exegesis (At least 4 credits in each language) | 12      |
|          | or BITH 646 Greek Exegesis                      |         |

**Electives**

Select 14 credits; the student will work with their academic advisor to determine what electives will best meet the student’s background interests and goals.

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<tbody>
<tr>
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**Biblical Studies, MA**

The Master of Arts in Biblical Studies offers a general program of studies based on the English Bible with special emphasis upon the literature, interpretation and themes of the Christian Scriptures. The program helps students explore the text of the Bible within both its historic context and its use in modern, worldwide contexts. It is designed primarily as a degree for students who seek an in-depth knowledge of the Bible in order to strengthen their Christian service as ordained and non-ordained leaders in local congregations, parachurch organizations and mission agencies. The MABS also is appropriate for Christians in various marketplace vocations who seek a solid biblical foundation for the work in which they are engaged. It is not intended for those who plan to pursue formal academic studies at the doctoral level. Knowledge of the biblical languages—Hebrew, Aramaic, and Greek—is not required.

**Faculty**

**Coordinator, Professor** Marc Cortez
Requirements
The Master of Arts in Biblical Studies requires the completion of 36 hours. The degree requires:

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>BITH 533</td>
<td>Exploring the Old Testament</td>
<td>4</td>
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<tr>
<td>BITH 555</td>
<td>Exploring the New Testament</td>
<td>4</td>
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<tr>
<td>BITH 565</td>
<td>Christian Theology</td>
<td>4</td>
</tr>
<tr>
<td>BITH 566</td>
<td>Foundations for Biblical Interpretation</td>
<td>4</td>
</tr>
<tr>
<td>BITH 626</td>
<td>Majority World Theologies</td>
<td>4</td>
</tr>
<tr>
<td>BITH 536</td>
<td>Old Testament Book Studies from the English Text</td>
<td>4</td>
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<td>BITH 546</td>
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<tr>
<td>BITH 638</td>
<td>Old Testament Theology</td>
<td>4</td>
</tr>
<tr>
<td>BITH 648</td>
<td>New Testament Theology</td>
<td>4</td>
</tr>
<tr>
<td>BITH 692</td>
<td>Graduate Comprehensive Exam</td>
<td>0</td>
</tr>
</tbody>
</table>

Total Credits 36

History of Christianity, MA
The History of Christianity MA program (42 hrs) provides an opportunity for students to explore the contours of Christian history across two millennia in a liberal arts context. Over the course of two years, students will undertake rigorous and critical study of the history of the Christian church as it interacted with theological, social, political, intellectual, economic, gender, and cultural factors. Core courses will provide a comprehensive knowledge of Christian history and equip students with skills necessary for advanced historical work. Students will then have the foundation to progress in their understanding of the field through more in-depth seminar courses.

Students may choose to tailor the program or to focus the program by selecting from three concentrations:

- Early Christianity
- Reformation Christianity
- Modern Christianity

In addition to the pursuit of academic excellence, skills for service in the church and society worldwide will be fostered. Those who excel in the program will be prepared to undertake doctoral work in the history of Christianity, historical theology, and history.

Faculty
Coordinator, Associate Professor Jennifer Powell McNutt

Requirements
The History of Christianity MA requires 42 hours:

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<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BITH 576</td>
<td>History of Christianity to 1900</td>
<td>4</td>
</tr>
<tr>
<td>BITH 577</td>
<td>World Christianity</td>
<td>4</td>
</tr>
<tr>
<td>BITH 581</td>
<td>The Reformation</td>
<td>4</td>
</tr>
<tr>
<td>BITH 585</td>
<td>History of Christianity in North America</td>
<td>4</td>
</tr>
<tr>
<td>BITH 677</td>
<td>Topics in the History of Christianity</td>
<td>1,2,3,4</td>
</tr>
</tbody>
</table>

Historical Theology
Select 4 credits of the following:

- BITH 653 Historical Theology: Patristic
- BITH 654 Historical Theology: Medieval Christianity
- BITH 655 Historical Theology: Reformation
- BITH 656 Historical Theology: Modern

Biblical and Systematic Theology

- BITH 525 Biblical Theology
- or BITH 565 Christian Theology

Historical Skills & Methodology

Four credits from:

- BITH 503 Language Study I
- BITH 504 Language Study II
- BITH 505 Language Study III
- BITH 506 Language Study II
- BITH 683 Historiography of the History of Christianity
- BITH 684 Vocation Formation in Biblical and Theological Studies (strongly recommended)

Electives

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BITH 695</td>
<td>Independent Study (4 credits in their concentrated subject)</td>
<td>4 or 8</td>
</tr>
<tr>
<td>or BITH 698</td>
<td>Thesis</td>
<td></td>
</tr>
</tbody>
</table>

Comprehensive Exam

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BITH 692</td>
<td>Graduate Comprehensive Exam (Students should not take the exam before they have completed 32 credits of the program.)</td>
<td>0</td>
</tr>
</tbody>
</table>

1 Early Christianity concentration students choose either BITH 577 or BITH 585 and will complete 4 additional elective credits from BITH 677 or BITH 679.
2 Reformation concentration students are required to take one seminar (BITH 677 that corresponds with the Reformation concentration; one seminar must be taken from the Early or Modern concentrations.
3 Modern concentration students are required to take one seminar (BITH 677) that corresponds with the Modern period; one seminar must be taken from the Early or Reformation periods.
4 Students without a concentration must take seminars from two different periods, chosen from Early, Reformation, or Modern.
5 Students with qualified coursework in this requirement and with permission from their advisor may choose instead from the following options:
   - BITH 674 Theology and the Liberal Arts
   - BITH 626 and BITH 653, BITH 654, BITH 655 or BITH 656
   - BITH 675 Advanced Systematic Theology.

6 Students not planning to pursue doctoral work may receive permission from their advisor to use these credits towards their electives.
7 8 elective credits required if students opt out of BITH 505 Language Study III with permission.
8 Concentration students are required to take one Historical Theology course that corresponds with their concentration.
Old Testament Archaeology, MA

The discipline of Biblical Archaeology seeks to integrate both ancient material culture and epigraphic finds with study of the Bible in order to assist the student to better understand the Scriptures. It has long been recognized that archaeology is an indispensable tool for interpreting the Bible because it provides cultural, historical, social, religious, and linguistic information that sheds light on the context of biblical passages. The program emphasizes three areas of competency: Archaeology, Old Testament Languages, and Old Testament Studies. Students receive first-hand experience in Archaeology through a six-week field school at Tel Shimron, Israel. Additionally, course work in Archaeology, Hebrew, and Old Testament Studies develop competencies that provide a solid basis for continuing education for ministry, for doctoral studies in Archaeology, Ancient History and Biblical Studies, or for teaching courses in Old Testament, Bible backgrounds, ancient history, and archaeology in church and school settings.

Students are not required to write a thesis but may do so if granted permission by an advisor and the department. All students must have at least one year of Hebrew or the equivalent facility with Hebrew, in order to complete the degree’s required course work. Additionally, they must pass a comprehensive exam at the end of their course work.

Admissions

Deadlines and requirements will vary depending on degree and program. See Graduate Admissions (https://catalog.wheaton.edu/graduate/graduate-admissions) in the catalog for additional information or go to Wheaton College Graduate School Admissions (https://www.wheaton.edu/graduate-school/admissions):

Wheaton College Graduate School
Graduate Admissions
Toll free: 800.888.0141 or 630.752.5195

https://www.wheaton.edu/graduate-school/admissions

Admission is contingent upon current U.S. State Department travel advisories for the Middle East.

Admission to the program does not require a specific undergraduate major. Students must, however, demonstrate:

- A basic knowledge of Bible content and historical periods of the Old Testament; and
- Prerequisite competency in Hebrew. Competency is defined as passing a competency exam or taking HEBR 101 Elementary Hebrew I, or BL 610 at JUC, HEBR 102 Elementary Hebrew II, and HEBR 201 or the equivalent. These language prerequisites do not count toward the completion of degree but students may take the languages concurrently with the program.

Faculty

Associate Professor Adam Miglio

Requirements

The Old Testament Archaeology MA program begins with participation in a six-week excavation in Israel, ARCH 525. The remaining work is completed at Wheaton.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ARCH 525</td>
<td>Archaeological Field Work</td>
<td>8</td>
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Fall Semester

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ARCH 521</td>
<td>Advanced Archaeology and the Old Testament</td>
<td>4</td>
</tr>
<tr>
<td>BITH 508</td>
<td>Intro to Hebrew Exegesis</td>
<td>4</td>
</tr>
<tr>
<td>BITH 524</td>
<td>Intro to Hermeneutics</td>
<td>2</td>
</tr>
<tr>
<td>BITH 542</td>
<td>Old Testament Hermeneutics</td>
<td>2</td>
</tr>
</tbody>
</table>

Winter Intensive in January or over a summer

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BITH 565</td>
<td>Christian Theology</td>
<td>4</td>
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</tbody>
</table>

Spring

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BITH 635</td>
<td>Hebrew Exegesis</td>
<td>4</td>
</tr>
<tr>
<td>or BITH 636</td>
<td>Hebrew Exegesis</td>
<td>4</td>
</tr>
<tr>
<td>ARCH 554</td>
<td>Topics in Archaeology</td>
<td>4</td>
</tr>
<tr>
<td>ARCH 569</td>
<td>Religion of Israel and ANE</td>
<td>4</td>
</tr>
<tr>
<td>or ARCH 565</td>
<td>Statecraft and International Relations in the Ancient Near East</td>
<td>4</td>
</tr>
</tbody>
</table>

Comprehensive Exam

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BITH 692</td>
<td>Graduate Comprehensive Exam</td>
<td>0</td>
</tr>
</tbody>
</table>

Theology, MA

The M.A. in Theology (2 years/48 credit hours) provides students with a course of graduate theological study in an interdisciplinary, liberal arts context. The M.A. in Theology trains students to engage theological ideas in the world today through a strong biblical, evangelical foundation, mastery of our diverse theological heritage, and familiarity with contemporary, global developments in theology. The concentration seeks to equip students to become responsible interpreters of Scripture and faithful stewards of Christian thought through critical graduate study leading to church service and teaching or an advanced Ph.D. program. Students choosing this degree concentration must select one of two available degree emphases: Systematic or Historical Theology.

Faculty

Coordinator, Associate Professor Jennifer Powell McNutt

Requirements

M.A. in Theology
(2 years/48 credit hours)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BITH 638</td>
<td>Old Testament Theology</td>
<td>4</td>
</tr>
<tr>
<td>BITH 648</td>
<td>New Testament Theology</td>
<td>4</td>
</tr>
</tbody>
</table>

Historical Theology

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BITH 653</td>
<td>Historical Theology: Patristic</td>
<td>2</td>
</tr>
<tr>
<td>BITH 654</td>
<td>Historical Theology: Medieval Christianity</td>
<td>2</td>
</tr>
<tr>
<td>BITH 655</td>
<td>Historical Theology: Reformation</td>
<td>2</td>
</tr>
<tr>
<td>BITH 656</td>
<td>Historical Theology: Modern</td>
<td>2</td>
</tr>
</tbody>
</table>

Systematic Theology

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BITH 565</td>
<td>Christian Theology (prerequisite to degree; all students must complete or fulfill in the first year of study)</td>
<td>4</td>
</tr>
</tbody>
</table>
BITH 573 Scripture and Theology (must be completed in the first year of study) 4
BITH 675 Advanced Systematic Theology 4

Interdisciplinary and Global Christian Thought 8

BITH 674 Theology and the Liberal Arts (must be completed in the first year of study) 4
BITH 577 World Christianity 4

Electives - Select one of the following emphases: 16

1) Emphasis in Systematic Theology
   Select 16 credits of electives in the field of systematic or related studies, including the following:
   BITH 676 Seminar Systematic Theology (minimum 4 credits)

2) Emphasis in Historical Theology
   Select 16 credits of electives in the field of historical or related studies, including the following:
   BITH 679 Seminar in Historical Theology (minimum 4 credits)

Graduate Comprehensive Exam
BITH 692 Graduate Comprehensive Exam (required of all students in the M.A. in Theology) 0
BITH 698 Thesis (with advisor approval only; oral defense required; students must also pass the comprehensive exam) 4

All students are strongly encouraged to take:
BITH 684 Vocation Formation in Biblical and Theological Studies 0

Students interested in pursuing a Ph.D. in Theology or a related field are strongly encouraged to take the following for elective credit:
BITH 505 Language Study III (French or German) 4

M.A. in Theology for Psy.D. Degree Candidates

NOTE: This program is not admitting students at this time.

Candidates for the Psy.D. degree may complete the MA Theology degree in the Systematic Theology emphasis by completing the following requirements:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BITH 538</td>
<td>Old Testament Theology</td>
<td>4</td>
</tr>
<tr>
<td>BITH 648</td>
<td>New Testament Theology</td>
<td>4</td>
</tr>
<tr>
<td>BITH 564</td>
<td>Historical Theology: Patristic</td>
<td>2</td>
</tr>
<tr>
<td>BITH 565</td>
<td>Historical Theology: Medieval Christianity</td>
<td>2</td>
</tr>
<tr>
<td>BITH 566</td>
<td>Historical Theology: Reformation</td>
<td>2</td>
</tr>
<tr>
<td>BITH 567</td>
<td>Historical Theology: Modern</td>
<td>2</td>
</tr>
<tr>
<td>BITH 568</td>
<td>Systematic Theology</td>
<td>8</td>
</tr>
<tr>
<td>BITH 569</td>
<td>Christian Theology</td>
<td>4</td>
</tr>
<tr>
<td>BITH 570</td>
<td>Scripture and Theology</td>
<td>4</td>
</tr>
<tr>
<td>BITH 571</td>
<td>Interdisciplinary and Global Christian Thought</td>
<td>8</td>
</tr>
<tr>
<td>BITH 674</td>
<td>Theology and the Liberal Arts</td>
<td>4</td>
</tr>
<tr>
<td>BITH 577</td>
<td>World Christianity</td>
<td>4</td>
</tr>
<tr>
<td>BITH 578</td>
<td>Systematic Theology emphasis</td>
<td>16</td>
</tr>
<tr>
<td>BITH 675</td>
<td>Advanced Systematic Theology</td>
<td>4</td>
</tr>
<tr>
<td>BITH 622</td>
<td>Theological and Religious Issues in Psychotherapy</td>
<td>2</td>
</tr>
<tr>
<td>BITH 623</td>
<td>The History of Pastoral Care</td>
<td>2</td>
</tr>
<tr>
<td>CFM 538</td>
<td>(Not offered)</td>
<td></td>
</tr>
<tr>
<td>PSYC 861</td>
<td>Spiritual Direction and Care of the Soul</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 862</td>
<td>Advanced Integration of Psychology &amp; Christian Theology</td>
<td>3</td>
</tr>
</tbody>
</table>

Comprehensive Exam
BITH 692 Graduate Comprehensive Exam (required of all students in the M.A. in Theology) 0
BITH 698 Thesis (with advisor approval only; oral defense required; students must also pass the comprehensive exam) 4

Biblical and Theological Studies, Ph.D.

The Doctor of Philosophy in Biblical and Theological Studies is designed to train scholars who can serve the church worldwide as teachers, researchers, pastors, and leaders. The program aims at fostering faithfulness to the teaching of Scripture in combination with critical reflection on its significance for the church and contemporary culture. Students may focus on either Biblical Theology or Systematic/Historical Theology. The nature of Scripture and of the theological task demands that theology be rooted in Scripture and that Scripture be interpreted theologically. The Wheaton Ph.D. program, therefore requires that its students take a holistic approach to biblical-theological studies. Students will write dissertations that focus on one of the traditional areas of academic competence—Old Testament, New Testament, Systematic Theology, or Historical Theology—the student’s “concentration.” But the entire program requires integration between the fields of biblical studies and theology. In order to facilitate this integration, students in the Wheaton Ph.D. program will write dissertations that are distinctly theological in nature.

The program incorporates the best elements from North American, British, and German doctoral models. Emphasis will be placed on guided research and independent study, though some formal courses are required. Informal learning in a community setting is integral to the program. Students will work closely with a faculty mentor, who will have primary responsibility for establishing the specific shape of the program that the student will undertake. Students are expected to engage in dissertation research and writing from the beginning of the program. The length and specific components of the program will therefore vary from student to student.

Admissions

Deadlines and requirements will vary depending on degree and program. See Graduate Admissions (p. 271) in the catalog for additional information or go to Wheaton College Graduate School Admissions (https://www.wheaton.edu/graduate-school/admissions):

Wheaton College Graduate School
Graduate Admissions
Toll free: 800.888.0141 or 630.752.5195

https://www.wheaton.edu/graduate-school/admissions

Requirements for admission to the Ph.D. program. In addition to the admission requirements for the Graduate School in general, students applying for the Ph.D. are required to have the following:
• An M.A. (in an area of Biblical or Theological Studies) or M.Div. degree or the equivalent.
• Normally, a minimum GPA of 3.5 in their master’s-level work.
• An acceptable score on the GRE.
• For international students: scores on the TOEFL of 100, on the IELTS of 7.0.
• Evidence of potential for doctoral-level research in the form of a substantial research paper.
• Competency in biblical Hebrew and Greek.
• Recommendations from three of the applicant’s professors and his or her pastor.
• Approval from the mentor with whom the student seeks to study (normally secured through a personal interview).

Faculty
PhD Committee Chair, Gunther M. Knoedler Professor of Theology Daniel Treier

Requirements
Requirements for the Doctor of Philosophy in Biblical and Theological Studies. All students will be required to take a minimum of 40 hours of doctoral-level courses and may be asked to take as many as 60 credits.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Five Doctoral Seminars</strong></td>
<td></td>
</tr>
<tr>
<td>BITH 881</td>
<td>Biblical Interpretation &amp; Theology (One first-year seminar)</td>
<td>4</td>
</tr>
<tr>
<td>BITH 882</td>
<td>Seminar: Topics in Biblical Theology (Two major field seminars)</td>
<td>8</td>
</tr>
<tr>
<td>or BITH 883</td>
<td>Seminar: Topics in Systematic or Historical Theology</td>
<td></td>
</tr>
<tr>
<td>One minor field seminar</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>BITH 884</td>
<td>Biblical/Theological Integration (One second-year capstone seminar)</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td><strong>Guided Research</strong></td>
<td>4</td>
</tr>
<tr>
<td>BITH 795</td>
<td>Guided Research (select at least one)</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td><strong>One approved course at another institution</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Directed Study</strong></td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>or more credits</td>
<td></td>
</tr>
</tbody>
</table>

Select one or more of the following Directed Study courses in conjunction with a master’s-level BTS class or liberal arts class:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BITH 793</td>
<td>Directed Study</td>
<td>2</td>
</tr>
<tr>
<td>or BITH 794</td>
<td>Directed Study in the Liberal Arts</td>
<td></td>
</tr>
</tbody>
</table>

**Other Required Courses**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BITH 798</td>
<td>Supervised Pedagogical Experience</td>
<td>2</td>
</tr>
<tr>
<td>BITH 751</td>
<td>Introduction to Doctoral Research</td>
<td>0</td>
</tr>
<tr>
<td>BITH 898</td>
<td>Dissertation</td>
<td>0</td>
</tr>
</tbody>
</table>

Additional information on these requirements is available in the Ph.D. Handbook.

In addition to the specific courses listed above, Ph.D. students must also demonstrate competence in biblical Greek and Hebrew (though some students in Historical Theology may substitute Latin for Hebrew) and in two research languages (German and one other language appropriate to the student’s field of study), demonstrate comprehensive knowledge of the field, and write and successfully defend a dissertation. Students may apply for candidacy in the program after their first year of study. Candidacy will be awarded to students who have successfully completed all degree requirements, excepting the dissertation. Degree requirements must be completed within six years of the first date of enrollment.

Biblical and Theological Studies, MA

The M.A. in Biblical and Theological Studies degree may be awarded to students who have completed at least 40 credit hours of doctoral coursework in biblical and theological studies, and the foreign language requirements of the Ph.D. program. In addition, students are required to satisfactorily complete their cumulative academic portfolios.

The M.A. in Biblical and Theological Studies is understood as a terminal degree since the doctoral dissertation is not completed. The degree is awarded only to students who have studied in the doctoral program. Students who complete the dissertation and receive the Ph.D. degree will not be awarded the M.A. in Biblical and Theological Studies.

Faculty
PhD Committee Chair, Gunther M. Knoedler Professor of Theology Daniel Treier
SCHOOL OF MISSION, MINISTRY & LEADERSHIP

The School of Mission, Ministry, and Leadership at Wheaton College prepares students for the work of ministry in a liberal arts education environment committed to Christian spiritual formation, scholarship, research, ministry, humanitarian and disaster relief, and leadership development. Each of our programs and certificates emphasizes living out Christ’s mission: proclaiming and demonstrating the gospel and serving the Church in a changing world.

At the undergraduate level we offer the B.A. in Christian Formation and Ministry as both a major and a minor as well as Certificates in Discipleship, Leadership, and Youth Ministry.

At the graduate level our focus takes a much more praxis (academic reflection and research on ministry practice) approach in educating students for M.A.’s in

- Evangelism and Leadership
- Missional Church Movements
- Ministry Leadership
- Global Leadership
- Humanitarian and Disaster Leadership
- Higher Education and Student Development
- Outdoor and Adventure Leadership
- Intercultural Studies
- Christian Formation and Ministry

MML also offers the following graduate certificates: Organizational Leadership Certificate, Cross-Cultural Ministry Certification, and the Global Engagement Certificate.

For graduate students, the Billy Graham Center offers special scholarships to international students, furloughing international workers and candidates who are committed to overseas service under an established agency, and those who are committed to service in urban settings.

Residential and Flexible Formats

Students study the undergraduate baccalaureate degree and most of our graduate programs in a residential format at Wheaton College.

Every MML graduate program is also designed for students to be able to earn their master’s degree while empowering them to remain in their current location. These graduate programs are designed to stretch the students’ thinking while enabling them to continue to serve in their current business or ministry.

The various programs listed above have different flexible options and students will need to check the requirements for each one of them for the specifics related to that degree program. However, all graduate programs in MML offer this flexible option by scheduling courses in various formats: on-campus, modular, online, and hybrid. This enables students to take these programs of study on a full-time or part-time basis.

Partnerships and Cohorts

The School of Mission, Ministry, and Leadership has partnered with various ministries and organizations, who share our vision and ethos, to enable students pursue a master’s degree and thus fulfill the mission of their ministry or organization. These partnerships permit students to study at their own pace (self-paced) or work with their co-workers as a cohort to earn a specific MML graduate degree.

In the cohort model, a group of students study together throughout the program, taking all their courses together. The goal of the cohort is for each student to build lasting relationships within a learning community.

Faculty

Ed Stetzer, Dean of the School of Mission, Ministry, and Leadership; Billy Graham Distinguished Chair for Church, Mission and Evangelism; Executive Director of the Billy Graham Center

Junias Venugopal, Associate Dean of the School of Mission, Ministry, and Leadership; Associate Professor of Evangelism and Leadership

Kent Annan, Director of Humanitarian and Disaster Leadership

Jamie Aten, Blanchard Associate Professor of Humanitarian and Disaster Leadership, Executive Director of Humanitarian Disaster Institute

Laura Barwegen, Chair, Department of Christian Formation and Ministry, Associate Professor of Christian Formation and Ministry

Robert Gallagher, Program Director of the M.A. in Intercultural Studies Program; Professor of Intercultural Studies

Susan Greener, Associate Professor of Intercultural Studies

Dan Haase, Associate Lecturer of Christian Formation and Ministry

Muhia Karianjahi, Visiting Assistant Professor of Outdoor and Adventure Leadership; Program Coordinator of Outdoor and Adventure Leadership Program

Michael Lee, Assistant Professor of Ministry and Leadership

Barrett McRay, Associate Professor of Christian Formation and Ministry

Scott Moreau, Dean of the Graduate School; Professor of Intercultural Studies

Rob Ribbe, Executive Director of HoneyRock; Program Director of Outdoor and Adventure Leadership; Assistant Professor of Outdoor and Adventure Leadership

Rick Richardson, Director of BGC Research Institute, Director of the Church Evangelism Institute; Professor of Evangelism and Leadership

Jerry Root, Director of the Evangelism Initiative at Wheaton College; Professor of Evangelism

Rochelle Scheuermann, Program Director of Evangelism & Leadership, Missional Church Movements, Ministry and Leadership, Global Leadership M.A. programs; Associate Professor of Evangelism and Leadership

David Setran, Program Director of the M.A. in Higher Education and Student Development; Price-LeBar Professor of Christian Education

Admissions

Deadlines and requirements will vary depending on degree and program.

See Graduate Admissions (p. 271) in the catalog for additional information or go to Wheaton College Graduate School Admissions (https://www.wheaton.edu/graduate-school/admissions):

Wheaton College Graduate School
Graduate Admissions
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https://www.wheaton.edu/graduate-school/admissions

Programs

- Christian Formation and Ministry, MA (p. 299)
- Evangelism and Leadership, MA (p. 301)
Courses

Christian Formation and Ministry Courses

CFM 513. History and Philosophy of Ministry. (4 Credits)
Helps students become more informed and effective ministers through the analysis of ministry and educational philosophies that have guided the church throughout its history. Provides a framework within which to formulate a biblically and historically informed philosophy of ministry.

CFM 516. Teaching for Transformation. (4 Credits)
Promotes Christian growth through educational planning and evaluation. Methods of teaching, curriculum design, and character of the teacher are considered.

CFM 517. Developmental Theory and Spiritual Formation. (2 Credits)
An introduction to biblical, historical, and theological understandings of the nature of persons and the integration of relevant psychological and sociological understandings of human development. In addition, students will be encouraged to consider the application of these foundations to the contemporary work of Christian formation and ministry.

CFM 518. Research Methods for Ministry. (2 Credits)
An introduction to the theory and practice of research methodologies as they relate to Christian formation and ministry.

CFM 521. Personal Spiritual Formation. (2 Credits)
An introduction to personal spiritual formation, including spiritual health and the practice of spiritual disciplines. Includes an off-site weekend retreat.

CFM 522. History and Traditions of Spiritual Formation. (2 Credits)
This course traces some of the dominant themes of Christian spirituality. Through biblical, theological, and historical study, we will examine how various individuals and movements have experienced and sought to nurture their relationship with the Triune God. Particular attention is paid to developing the skills of discernment for reading these primary sources.

CFM 523. Ministry Leadership and Organization. (4 Credits)
Introduction to issues of ministry leadership, including organizational theory, ethics, conflict management, and personal concerns for integrity and spiritual health.

CFM 525. Camp Ministry in Global Context. (4 Credits)
This course explores the theory and practice of doing ministry in diverse cultural contexts in the United States and globally. Students cultivate active cultural sensitivity through tools that include taking an inventory, conducting an ethnographic study, and partnering with a Christian camp ministry from a different geo-cultural context.

CFM 531. Adult Ministries. (2 Credits)
Examines the principles and methods of adult ministry in the church with particular attention given to non-formal education. Explores the nature of defining, developing, and evaluating educational experiences in non-formal settings with an eye for their unique ministry contributions.

CFM 683. Integrative Seminar. (0 Credits)
Integrates the various courses of the CFM program into a unified whole. The Integrative Seminar fosters reflection on the academic, spiritual, and practical aspects of the degree while also assisting in plans for future growth and development in these areas. Includes a summative case study evaluation. Prerequisite: All CFM core courses must be completed or in process.
CFM 691. Concentration Mentoring Group. (0 Credits)
Within each concentration of the CFM masters program, students will meet in a small mentoring group to discuss their academic progress, spiritual formation, and development of practical ministry skills. Taken every semester, repeatable.

CFM 692. Creative Project. (2 Credits)
Prerequisite: Department approval of student’s Final Project proposal.

CFM 693. Ministry Practicum. (0 Credits)
Provides students the opportunity to participate in a ministry context, integrating the theories learned in the classroom with the practices of ministry. Includes a summative assignment in which students consider the links between ministry principles, personal formation, and practical skills.

CFM 694. Current Issues in Christian Formation and Ministry. (2 or 4 Credits)
Provides opportunity for advanced students to study collectively some topic or concept in greater depth, or to explore a specialized topic and its relationship to an understanding and practice of Christian Formation and Ministry. Topics will vary and will be determined by department faculty members.

CFM 695. Independent Study. (1 to 4 Credits)
Focuses on field or library research according to individual interests and competencies in Christian Formation and Ministry.

CFM 696. Internship. (2 to 4 Credits)
Provides advanced students the opportunity to have a better understanding of ministry theory and practice by working and studying alongside a competent, authorized professional in Christian ministry. Includes a summative paper or reflection and analysis of the learning that occurred and its significance for future ministry (due after the internship). Prerequisite: Internship application approval.

CFM 698. Applied Thesis/Thesis. (2 Credits)
Prerequisite: Dept. approval of student’s Final Project Proposal.

CFM 699. Final Project Continuation. (0 Credits)

Evangelism Courses

EVAN 516. Spiritual and Professional Formation. (2 Credits)
Introduction to personal and corporate formation through various dimensions such as the intellectual, physical, spiritual, social, and emotional with an emphasis on the integration of biblical perspectives. Transformational practice is encouraged through literature survey and contemporary case studies.

EVAN 526. Gospel: Theological Perspectives on Evangelism and Renewal. (4 Credits)
Examines the gospel as the good news of God’s inaugurated kingdom, with a focus on the centrality of Jesus’ death and resurrection as interpretive center. Investigates the dynamic of the spread of this good news throughout Scripture and history. Explores more recent movements of renewal and revival in relation to issues of evangelism and social transformation.

EVAN 534. Apologetics in Global Contexts. (2 Credits)
Examines apologetics as the study and practice of establishing the plausibility of the Christian faith within particular cultures and contexts. Explores various philosophical and cultural frameworks for apologetics and then applies them to modernist, postmodern, multi-ethnic and global contexts and questions.

EVAN 542. Church: Movements & Models. (4 Credits)
Explores different paradigms and models of church, paying special attention to the most recent emerging missional movements and their characteristics, impact and trajectory. Includes field trip visits and guest lecturers representing various existing models of churches and ministries. Assesses ministries using a number of different evaluative tools that are widely used. Fee $30.

EVAN 545. Culture: Emerging & Global. (4 Credits)
Explores the shape of ministry and evangelism in postmodern, post-Christendom and globalizing cultures. Examines popular culture in the U.S. as a key context for ministry and a critical influence around the world. Reframes evangelism, apologetics, preaching, healing, and discipleship in relation to the significant cultural shifts that are occurring.

EVAN 546. Discipleship. (2 Credits)
This course examines the biblical and historical models and principles for the life-long process of making disciples in a changing culture. Built on the foundation of spiritual formation and mentoring, students will be challenged to grow as disciples so that they might also equip and encourage others to grow in following Jesus.

EVAN 547. Evangelistic Communication. (2 Credits)
Examines the gospel as the good news of God’s inaugurated kingdom, with a focus on the centrality of Jesus’ death and resurrection as interpretive center. Investigates the dynamic of the spread of this good news throughout Scripture and history. Explores more recent movements of renewal and revival in relation to issues of evangelism and social transformation.

EVAN 548. Evangelism and the Local Church. (4 Credits)
Explores the theology, strategies, practice, and leadership styles associated with implementing evangelism through a variety of ecclesiological traditions and local church settings.

EVAN 556. Leadership and Evangelism. (2 Credits)
Examines the theological, theoretical, and practical foundations for leadership in relation to personal development, biblically and in contemporary contexts, with application to the task of leading the church or Christian agencies into evangelistic effectiveness. Special attention is given to devise or revise the mission and vision of a Christian organization seeking to be missional.

EVAN 558. Personal Development and Leadership. (4 Credits)
Explores the processes, stages, and leadership capacities and skills for leading change in organizations. Examines biblical and theological perspectives on leadership, organizations and change. Introduces principles of social entrepreneurship. Equip students for leading churches and organizations toward becoming missional and evangelistic.

EVAN 573. Evangelism Research Methods. (2 Credits)
Equips students with the rationale and methodology of qualitative research in cultural contexts, with an emphasis on the application of qualitative methods to a specific context through research projects.

EVAN 691. Ministry Practicum. (2 Credits)
Provides practical, guided ministry experience in which students serve under supervision with regular interaction and instruction in the area of ministry. Graded pass/fail.

EVAN 692. Comprehensive Exam. (0 Credits)
Prerequisite: submission of Candidacy form. Fee $75. Graded pass/fail.
EVAN 694. Seminar in Evangelism. (2 or 4 Credits)
In-depth study of selected topics growing out of special concerns of professors and students.

EVAN 695. Independent Study. (1 to 4 Credits)

EVAN 696. Internship. (2 or 4 Credits)
Graded pass/fail.

EVAN 698. Thesis/Applied Thesis. (2 or 4 Credits)

EVAN 699. Thesis/Applied Thesis Contin. (0 Credits)

Higher Education and Student Development Courses

HESD 512. Bible in Ministry. (2 Credits)
This course acquaints students with the formative nature and power of Scripture. It explores the principles and practices of using Scripture in ministry through reading, study, devotion, and meditation in personal, small groups and teaching, and related ministries of the church.

HESD 514. Ministry in Culture. (4 Credits)
Explores foundational cultural issues from a Christian, socio-cultural perspective. Provides opportunities for students to cultivate theory and practice of ministry in the multicultural American society, as well as the Church around the world.

HESD 534. Care and Counsel in Ministry. (4 Credits)
An introduction to the basic concepts and skills involved in care and counsel within ministry contexts including an overview of the historic ministry of soul care, biblical foundations for care in ministry, major categories of human suffering, critical issues related to care in college and university contexts (e.g. Title IX) and rudimentary person-to-person helping skills. This course is designed to enable those in student development to help students understand and deal with contemporary issues e.g., divorce, grief, suicide, conflict, etc.

HESD 546. Facilitating Collegiate Learning. (2 Credits)
The college student experience must be built upon learning opportunities throughout the entire systems (i.e., academic and social) and within all facets of higher education. No department or entity is exempt from the opportunities to impact student learning and development. This course is designed to enable those in student development to help students understand and deal with contemporary issues e.g., divorce, grief, suicide, conflict, etc.

HESD 548. Leadership & Legal Issues. (4 Credits)
This course will discuss the character, organizational, and legal knowledge needed to lead effectively in higher education.

HESD 575. Conflict & Mediation. (4 Credits)
Conflict and Mediation is designed to provide for a foundational understanding of the mediation process while simultaneously developing critical dispute resolution skills, such as creative problem solving, internet based negotiation, managing emotionally charged situations, reality testing, active listening, effective questioning, and mediating multi-party disputes. Students will also reflect on how these conflict mediation methods align with a biblical vision of conflict as well as with various student development roles.

HESD 595. Introduction to Higher Education. (4 Credits)
An introduction and overview of the administration and organization of higher education and college student development with an emphasis on the profession’s contexts and frameworks. Student culture will also be discussed with an eye toward implications on the organization of human resources with Student Development. Finally, the interpersonal dynamics in the field will be discussed along with the skills and competencies that will be needed.

HESD 641. Emerging Adult Development. (4 Credits)
Explores the theories and practices of ministry directed toward college students and young adults. Emphasizes the developmental and cultural dynamics of the young adult years and the practical implications of a biblical philosophy of discipleship for identity development, character education, worldview construction, and spiritual formation. The course is relevant for anyone ministering to college students and/or young adults in the local church or in a college/university context.

HESD 692. Creative Project. (2 Credits)
Prerequisite: Department approval of student's Final Project proposal.

HESD 698. Applied Thesis. (2 Credits)
Prerequisite: Department approval of student's thesis proposal.

Humanitarian Disaster Institute Courses

HDI 514. Foundations of Disaster & Humanitarian Assistance. (4 Credits)
An introduction to evidence-based and informed psychosocial care skills, programs, and interventions in context to disasters, crisis, and other trauma-inducing events.

HDI 524. Preparedness Planning, Mitigation, & Continuity Management. (4 Credits)
The course focuses on understanding evidence-based leadership best practices, procedures, and policies for disaster operations that strengthens disaster resilience in affected communities.

HDI 534. NGO Leadership. (2 Credits)
This course seeks to develop effective humanitarian and disaster non-profit leaders. This course will review the history, theoretical underpinnings, and practice of social entrepreneurship and program and project planning in non-profit and official development organizations. It also covers the corresponding grant-writing, fundraising, business planning and marketing methods, and tools, strategies and techniques used in these activities. Heavy emphasis is placed on a hands-on learning approach, while stressing the importance of understanding and critiquing the conceptual frameworks on which these practices rely from a Biblical perspective.

HDI 544. Organizing Emergency Humanitarian Assistance. (2 Credits)
Leadership principles for effective emergency management and humanitarian response will be taught for responding to a wide range of potential humanitarian crises, with an emphasis on evidence-based practices.

HDI 614. Transformational Development. (4 Credits)
This course prepares leaders to actively engage government and public leaders through policy interventions and advocacy to advance the global struggle for human rights. Students are prepared to advocate for biblical justice by developing the skills necessary to assess and intervene in the policy process as well as to develop and implement advocacy campaigns.

HDI 624. Refugee and Forced Migration Issues. (2 Credits)
An introduction to various historical and contemporary cases of forced displacement, integrating diverse disciplinary approaches, including legal, political and moral analysis.
HDI 634. Field Work or Special Project. (4 Credits)
Students will participate in an approved supervised field practicum placement with a humanitarian or disaster-related organization; students with advance standing gained from significant prior field experience may opt to complete an applied professional or research project.

HDI 644. Global Public Health. (2 Credits)
An introduction to public health in context to contemporary definition, determinants, development and direction as a field into a broad global context.

HDI 654. Disaster, Crisis, & Trauma Intervention. (4 Credits)
An introduction to evidence-based and informed psychosocial care skills, programs, and interventions in context to disasters, crisis, and other trauma-inducing events.

HDI 692. Comprehensive Exam. (0 Credits)
Prerequisite: submission of Candidacy form. Fee $75. Graded pass/fail.

HDI 694. Field Operations. (4 Credits)
An intensive residence course that will involve a multi-day domestic and international field -simulations and practice in leadership and evaluation duties that will be supplemented with classroom learning experiences.

HDI 695. Independent Study. (1 to 4 Credits)
Department approval required.

Intercultural Studies Courses

INTR 503. Academic Composition and Communication. (0 Credits)
Group and individual instruction in expository writing and oral communication skills for students from non-English backgrounds. Students receive intensive preparation in English for academic purposes such as research papers and class presentations. Graded pass/fail.

INTR 512. Theories and Principles of Counseling. (3 Credits)
Designed for marriage and family therapy students, this course provides an examination of several of the major theories of counseling with an emphasis on techniques and principles common to each theory. This course does not count towards the M.A. in Clinical Psychology.

INTR 514. Spiritual and Professional Formation. (4 Credits)
Introduction to personal and corporate formation through various dimensions such as the intellectual, physical, spiritual, social, and emotional with an emphasis on the integration of biblical perspectives. Transformational practice is encouraged through literature survey and contemporary case studies.

INTR 516. Issues and Trends in Missions. (2 or 4 Credits)
Current missiological issues and trends, including church-mission relationships, changes in mission strategies and structures, challenges to the church, and their significance to the worldwide mission of the church. Opportunity for individual student research in a particular area of interest is provided.

INTR 521. Historical Foundations. (2 Credits)
Explores key persons and movements in the expansion of the Christian church from early monasticism and the Celtic Church to Moravianism andMethodism. The missiological reinterpretation of church history focuses on the dynamics of the expansion and the implications for contemporary strategies of mission. Attention is given to the means of Holy Spirit renewal, structure of mission, the role of leadership, and the relationship among the three.

INTR 526. Global Cities: Cities and the World. (4 Credits)
See IR 362.

INTR 531. Theological Foundations. (2 Credits)
Using the principles of biblical exegesis and hermeneutics, the course explores God’s mission from the Philistines of Abraham’s and David’s time, to the marginalized in New Testament society. Through this process, an appreciation is developed for theological reflection in Christian community that will impact the student’s missionary vocation.

INTR 532. Contextualization in Global Settings. (4 Credits)
Analysis of the encounter of the gospel with culture within the framework of the behavioral sciences. Organized around six dimensions of religious experience and contextualization within those dimensions, with special focus on the theological dimension.

INTR 534. Mission in Acts. (4 Credits)
The course models a historical critical interpretation of Acts. Through an analysis of the discourse structure of Luke/Acts, the course seeks to deepen an understanding of the person and work of the Spirit of Jesus who empowers God’s mission as it takes place through the apostles and the early church.

INTR 535. Holy Spirit and Mission. (2 or 4 Credits)
The course explores the dynamics of the work of the Holy Spirit and mission in relation to the following dimensions: personal, biblical, historical, cultural, contextual, and functional. Students are encouraged to explore their mission philosophy regarding the role of the Spirit of God for their mission context.

INTR 546. Evangelism and Church Planting. (2 or 4 Credits)
Strategies for evangelism and church development are examined and applied through case studies, field trips, contacts with resource persons, and student-led projects.

INTR 548. Discipleship. (2 Credits)
This course examines the biblical and historical models and principles for the life-long process of making disciples in a changing culture. Based on the foundation of spiritual formation and mentoring, students will be challenged to grow as disciples so that they might also equip and encourage others to grow in following Jesus.

INTR 551. Counseling Challenges in Ministry. (2 Credits)
A psychoeducative approach is used to enable Christian leaders to help individuals and families understand and deal with contemporary issues —e.g., step-families, single parenting, divorce, abortion. Other topics covered include: coping with depression, strong emotions, i.e., anger and anxiety, conflict. This course does not count toward the M.A. in Clinical Psychology.

INTR 552. Cross-Cultural Perspectives on Gender and Leadership. (2 Credits)
An exploration of the role of women in missions, including their impact on mission strategies, their unique contributions, and a discussion of critical issues they have faced since the time of the modern missionary movement.

INTR 561. Intercultural Communication. (4 Credits)
Foundational principles of intercultural communication from the fields of social psychology, cultural anthropology, and communication theory integrated with selected areas of personal encounter in cross-cultural settings.

INTR 562. Foundations of Intercultural Communication. (2 Credits)
Foundational principles of intercultural communication from the fields of social psychology, cultural anthropology, and communication theory.
INTR 563. Cross-Cultural Teaching and Learning. (2 Credits)
Contributions of nonformal educators, cognitive psychologists, and educational anthropologists to cross-cultural teaching and learning; attuning instruction to thinking styles, pedagogical expectations, and cultural values.

INTR 565. Folk Religions. (2 or 4 Credits)
Strategies for understanding folk religion and relating to folk religion adherents are examined and applied through discussion, case studies, media, and student-led projects.

INTR 566. Religious Life in Global Settings. (4 Credits)
Introduction to religious life through the lenses of phenomenology, folk religious studies, and the social sciences with an emphasis on how average adherents live out their lives integrated with biblical perspectives.

INTR 567. Spiritual Conflict. (2 or 4 Credits)
An examination of the principles and dynamics of spiritual conflict. Issues include theoretical considerations in the areas of theological reflection and cultural analysis, pragmatic considerations such as spiritual discipline and counseling approaches, and the missiological implications for missionary strategies.

INTR 572. Cross-Cultural Research. (2 or 4 Credits)
The rationale and methodology of qualitative research in cross-cultural contexts. Special focus on the application of qualitative methods to a specific context through research projects.

INTR 573. Qualitative Research for Second Language Educators. (2 Credits)
A survey of qualitative research techniques for use in cross-cultural contexts, with a special focus on second language education.

INTR 581. Spanish American Culture and Civilization. (4 Credits)
See SPAN 335.

INTR 587. East Asian History. (4 Credits)
See HIST 334.

INTR 588. Asian Culture & Communication. (2 Credits)
An introduction to Asian history and culture with particular emphasis on the themes/issues of the 20th century. Includes an introduction to a relevant Asian language and language-learning strategies. Principles for effective cross-cultural communication and adjustment are also considered. Taught in Asia.

INTR 591. Public Health and Nutrition in Developing Areas. (2 Credits)
An interdisciplinary approach to the problems of health and nutrition, with emphasis on Third World countries. Undergraduate restrictions: not open to freshmen, may not be applied toward the Biology major. Undergraduate prerequisite: CATC SP course.

INTR 601. Intro to TEFL Methodology. (2 Credits)
An introduction to the key concepts and skills involved in teaching English as a foreign language (EFL) in Asian classrooms. The course provides a model-based introduction to methods for teaching English as a foreign language with a specific focus on oral communication. Taught in Asia.

INTR 606. Descriptive English Grammar: Foundations. (2 Credits)
A survey of the foundational systems of English grammar, including practical issues and procedures involved in teaching grammar to ESL/EFL learners.

INTR 607. Descriptive English Grammar: Syntax and Discourse. (2 Credits)
A survey of specialized features of English grammar, including areas of difficulty for English language learners and complex multi-clause structures.

INTR 608. Second Language Acquisition. (4 Credits)
Principles and skills for the successful learning of foreign languages, including practical instruction in phonetics and language-learning strategies.

INTR 609. Linguistic Science. (2 Credits)
See LING 321.

INTR 611. Theoretical Foundations of TESOL Methodology. (4 Credits)
Survey of theory and research relevant to the teaching and learning of English as a second/foreign language. Emphasis on practical applications from linguistics, psycholinguistics, and sociolinguistics.

INTR 612. Descriptive English Grammar for TESOL. (4 Credits)
A survey of English grammar and discourse analysis, including practical issues and procedures involved in teaching grammar and discourse to ESL/EFL learners.

INTR 613. TESOL Classroom Dynamics Practicum. (2 Credits)
A survey of current research and methodology related to classroom instruction. Includes an analysis of the student's teaching skills in a supervised field placement. Appropriate for both inexperienced and experienced teachers, as well as TESOL administrators.

INTR 614. Curriculum and Materials Development for English Language Learning. (2 Credits)
See LING 329.

INTR 615. Teaching Reading and Composition to ESL/EFL Learners. (2 Credits)
Theoretical and practical issues involved in teaching reading and composition, including procedures for planning and implementing classroom instruction.

INTR 616. English Phonology for ESL/EFL Teachers. (2 Credits)
The sound system of English, including procedures for planning and implementing pronunciation instruction for ESL/EFL learners.

INTR 617. Principles of ESL/EFL Assessment. (2 Credits)
See LING 325.

INTR 618. English Language Methods for Content Area Teachers. (2 Credits)
See LING 326.

INTR 619. Teaching Speaking and Listening to ESL/EFL Learners. (2 Credits)
Specialized training in ESL teaching methods related to oral communication. Includes techniques for the analysis of oral discourse and current methodology related to language-learning strategies and the use of media.

INTR 621. Transformational Development. (4 Credits)
The purpose of the course is to explore the biblical, theological, and theoretical foundations for transformational community development and the Christian's involvement in development on the personal and systemic levels. Foundational thinking for practice is developed through a survey of the literature and engagement with current issues and case studies.
INTR 622. Cross-cultural Human Development. (2 Credits)
The course will explore Western assumptions about human development and how people grow and change in similar and different ways across cultural contexts and across the lifespan. Topics may include: culture and socialization, physical development, language and cognition, concepts of self and personality, gender, social behavior, family, and health.

INTR 623. Families in International Settings. (2 Credits)
The course will explore cultural assumptions about human socialization and family contexts across the globe. Non-Western, Western, indigenous, immigrant, third-culture, and global nomad contexts are examined using interdisciplinary theories and frameworks. Opportunity for individual student research on a topic of interest is provided.

INTR 624. Mission to Children and Youth at Risk. (2 Credits)
This course will explore theological, biblical and theoretical principles and frameworks for understanding, analyzing, and responding to difficult situations for children, particularly those in developing nations. The student will apply contextual factors impacting human development (e.g., family, peers, community, educational opportunity, church/religion, cultural belief systems) to understand children’s risk and resilience as related to social issues (e.g., poverty, abuse, child labor, human rights, HIV/AIDS, prostitution/sex trafficking, refugees, the girl-child, etc.). Public policies, the Convention on the Rights of the Child, and current interventions of Christian NGOs and other child-focused organizations will be explored.

INTR 631. Principles of TESOL Teacher Mentoring. (2 Credits)
This course promotes a deeper understanding of how to engage teachers in conversations and activities that encourage professional growth. Teacher mentors will learn how to observe and give feedback to novice teachers and how to make use of a variety of professional development strategies. Taught in Asia.

INTR 632. Seminar in TESOL Teacher Mentoring. (2 Credits)
This course helps teacher mentors identify and solve problems within their teaching context. Mentors will develop an understanding of the broad context of education and language education in the country and region where they work and will apply this knowledge as they guide teachers. The mentors will also become skilled at helping teachers conduct research as a means of understanding and solving problems in their classrooms. Taught in Asia.

INTR 633. Practicum in Teacher Mentoring. (2 Credits)
Practical experience in teacher mentoring, including observing and giving feedback to teachers, advising them in lesson planning and classroom dynamics, and counseling them about their future teaching situation. Taught in Asia.

INTR 634. Adult ESL Literacy. (2 Credits)
Problems and issues in adult literacy, with a specific focus on methodology for teaching immigrants, refugees, and other English language learners, both in the US and abroad.

INTR 635. Principles of Materials Development for TESOL. (2 Credits)
Students will gain an understanding of the fundamental terminology, concepts and processes involved in the development of textbooks and other published materials, including web-based and audiovisual materials for English language teaching.

INTR 636. Practicum in Materials Development. (2 Credits)
Students will develop materials for an existing project through a step-by-step process which is modeled during a series of class sessions. This will lead to a more extensive individual materials development project for an organization or publisher, under the guidance of the professor or a mentor.

INTR 637. Problems and Issues in TESOL Materials Development. (2 Credits)
Students will present materials they have developed for a publisher or organization and will critique the materials developed by others. Discussion of current problems and issues in materials development, both theoretical and practical, will be stimulated by these presentations and the course readings.

INTR 642. Bilingual Methods & Materials. (2 Credits)
See LING 323.

INTR 643. English Language Learning Methods for Specialists. (2 Credits)
See LING 328.

INTR 692. Comprehensive Examination. (0 Credits)
Prerequisite: submission of Candidacy form. Fee $75. Graded pass/fail.

INTR 693. Intercultural Studies Capstone. (4 Credits)
In-depth exploration of current issues in intercultural studies. Seminar integrates core content from the INTR program into student’s area of interest culminating in an integrative comprehensive paper. Prerequisite: completion of INTR 514, 521, 531, 532, 561 and 621.

INTR 694. Seminar In Missions. (2 or 4 Credits)
In-depth study of selected topics growing out of special concerns of professors and students.

INTR 695. Independent Study. (1 to 4 Credits)

INTR 696. Internship. (2 or 4 Credits)
Graded pass/fail.

INTR 698. Thesis/Applied Thesis. (4 Credits)

INTR 699. Applied Thesis/Thesis Continuation. (0 Credits)

Leadership Courses

LEAD 547. Communication and Leadership. (2 Credits)
Exposes students to the dynamics of communication in relation to leadership in contemporary contexts. In particular, communication concepts and best-practice will be applied to the tasks of leadership such as communicating vision, leading teams, intercepting entropy, and other challenges of organizational leadership.

LEAD 556. Foundations of Leadership. (4 Credits)
Provides a foundation for understanding macro, mezzo, and micro levels of leadership. Includes a theological grounding of leadership and an overview of key leader and leadership theories and models that span different contexts and cultures. Students will assess their own competency at each level of leadership and then create a development plan for growth.

LEAD 557. Global Leadership. (4 Credits)
In various ways, culture affects the shaping of identity, formation, and mission of people and organizations. In this course, students will learn to exegize organizational culture in order to identify helpful leadership approaches around organizational alignment, strategic planning, and boundary spanning that can support the growth and sustainability of global organizations. Students will use a similar process to evaluate their own cultural contexts and mental modes of leadership in light of the gospel.
LEAD 558. Personal Leadership and Ethics. (4 Credits)
Examines the biblical, theoretical, and practical foundations for personal leadership. Specific areas of focus will include leader capacity and capability, justice and forgiveness, leadership style, stages of development over the life cycle, spiritual disciplines, personal witness, and building support networks. The course encourages reflection on the ethical considerations of power, conflict management, and personal concerns for integrity and personal health.

LEAD 573. Qualitative Research Methods. (2 Credits)
Equips students with the rationale and methodology of qualitative research, with an emphasis on the application of qualitative methods to a specific context through research proposals.

LEAD 662. Developing Diverse People in Multicultural Teams. (2 Credits)
Explores concepts and skills needed for socially responsible and ethical leadership of multicultural teams. Topics covered include developing and coaching others cross-culturally, leading virtual teams, creating inclusive teams and organizations, appreciating and capitalizing on cultural diversity, and creative problem solving and conflict resolution. Prerequisite: INTR 561.

LEAD 663. Guiding Organizational Innovation and Change. (2 Credits)
Explores the theological, theoretical, practical, and contextual aspects of cultivating innovation, designing organizations for agility, and leading change in organizations. Attention will be given to managing uncertainty and conflict, awareness of power dynamics, and leader and organization adaptability.

LEAD 692. Special Topics in Leadership. (2 Credits)
Courses to provide opportunity for students to study a concept or topic in greater depth, or to explore a specialized topic and its relationship to leadership. Topics will vary and will be determined by department faculty members.

LEAD 693. Capstone. (2 Credits)
In-depth exploration of current issues in global leadership. Seminar integrates core content from the Global Leadership degree in an integrative comprehensive paper. Prerequisites: LEAD 547, 556, 557, 558, 573, 662, 663, and INTR 561. Graded pass/fail.

LEAD 694. Special Topics in Leadership. (4 Credits)
Courses to provide opportunity for students to study a concept or topic in greater depth, or to explore a specialized topic and its relationship to leadership. Topics will vary and will be determined by department faculty members.

LEAD 695. Independent Study. (1 to 4 Credits)
LEAD 696. Internship. (2 or 4 Credits)

Ministry Courses

MIN 547. Preaching. (2 Credits)
This course lays the biblical and theological foundations for preaching and develops preaching skills with an emphasis on faithfulness, contextualization and mission, clarity and structural soundness, and spiritual power. The theological, conceptual, and practical role of media, drama, the arts, metaphor, and symbol will also be explored.

MIN 558. Personal Leadership and Development in Ministry. (4 Credits)
Explores dimensions of personal leadership development and competencies. Overviews Biblical foundations and spiritual disciplines for effective and God centered leadership. Uses various personality, temperament and assessment tools and examines developmental perspectives on leadership over the lifespan.

MIN 559. Organizational Change and Leadership in Ministry. (4 Credits)
Explores models and principles of change leadership, leading organizations, building teams, handling conflict, and fostering entrepreneurial environments within a ministry setting. Examines the leadership literature on these issues. Utilizes case studies and group experiences.

MIN 561. Congregational Leadership: Worship, Discipleship, and Care. (4 Credits)
In various ways, congregational culture affects the shaping of the identity, mission and formation of all local churches. In this course, we will seek to define, exegete, and evaluate congregational culture in order to identify helpful leadership approaches for worship, discipleship, and pastoral care that can support congregational formation and mission.

MIN 692. Comprehensive Exam. (0 Credits)
Prerequisite: submission of Candidacy form. Fee $75. Graded pass/fail.

Missional Church Movements Courses

MISS 562. Launching Apostolic Movements. (4 Credits)
Focuses on developing an overview of what constitutes a missional movement by gaining a working understanding and analysis of the key elements that have often coalesced in order to catalyze missional movements in Western and majority world contexts, both historically and in more contemporary times.

MISS 564. Planting and Growing Reproducing Churches. (2 Credits)
Investigates models, principles, strategies, and methodologies for planting new churches in North America that have an apostolic ethos of continual reproduction. Surveys Biblical materials on church planting, examines the recent literature and resources, and explores networks of church planting organizations and churches.

MISS 565. Incarnational Ministry for Missional Churches. (2 Credits)
Explicates the basic components of missional communities, including communion, community and mission, that emphasize entering into communities and cultures and sectors of society, rather than drawing people out of their communities, contexts, and roles into siloed religious communities.

MISS 568. Organic and Simple Church. (2 Credits)
Explores the dynamics of cell, simple, organic, and house church movements both here in North America and in other parts of the world. Special attention will be paid to multiplication factors, contextual influences, resourcing issues, organizational centralization and decentralization forces, and leadership patterns.

MISS 575. Urban Missional Movements. (2 Credits)
Examines creative urban missional reproducing movements, paying special attention to the unique opportunities, challenges, and contexts of larger urban communities. Students will gain a knowledge of urban contexts, and explore ways the church can interact with those contexts in missional engagement.

MISS 576. Missional Movements and Evangelism. (2 Credits)
Explores a research based understanding of various missional expressions and movements, learning to assess strengths and weaknesses of the various movements and expressions, and examining effective and ineffective evangelism dynamics.

MISS 692. Comprehensive Exam. (0 Credits)
Prerequisite: submission of Candidacy form. Fee $75. Graded pass/fail.
Outdoor Adventure Leadership Courses

OAL 515. Camp Ministry in Global Context. (4 Credits)
This course explores the theory and practice of doing ministry in diverse cultural contexts in the United States and globally. Students cultivate active cultural sensitivity through tools that include taking an inventory, conducting an ethnographic study, and partnering with a Christian camp ministry from a different geo-cultural context.

OAL 525. Camp Ministry-Global Context. (4 Credits)
This course explores the theory and practice of doing ministry in diverse cultural contexts in the United States and globally. Students cultivate active cultural sensitivity through tools that include taking an inventory, conducting an ethnographic study, and partnering with a Christian camp ministry from a different geo-cultural context.

OAL 534. Care and Counsel in Ministry. (2 Credits)
An introduction to the basic concepts and skills involved in care and counsel within experiential and other Christian formation ministry contexts including an overview of the historic ministry of soul care, biblical foundations for care in ministry, major categories of human suffering, and rudimentary person-to-person helping skills. This course is designed to enable those in camp ministry to help individuals and families understand and deal with contemporary issues—e.g., divorce, grief, suicide, conflict, etc.

OAL 548. Program Planning and Leadership. (2 Credits)
his course studies the process of developing outdoor and adventure based programs which will align with the mission, vision and values of an organization and serve the identified target groups in a meaningful way. As part of this course, students will build on their philosophy of ministry by developing, implementing and evaluating programs in real ministry settings.

OAL 564. Challenge Course Leadership. (4 Credits)
This course applies theories and principles of leadership, spiritual development and experiential education to challenge programming specifically utilizing ropes courses, team initiatives, climbing, and other outdoor adventure activities. Students will apply learning by developing, leading and evaluating short term (1/2-day to 3-day) adventure education experiences for a variety of groups. This course is offered as an intensive at HoneyRock. Prerequisite: OAL 661.

OAL 664. Wilderness Programming and Leadership. (4 Credits)
This course covers program models and planning processes, various outdoor and leadership skills needed for wilderness ministry, and how God uses silence, creation, and group problem-solving to develop disciples. It is offered almost entirely in the wilderness classroom and as an extended expedition during multiple times and at multiple sites each year. This course is offered through HoneyRock.

OAL 663. Organizational Leadership and Staff Development in Outdoor Ministry. (4 Credits)
The outdoor and adventure ministry context is an excellent laboratory for equipping leaders for the church and society worldwide. This course is designed to help students develop principles and competencies to enhance their own leadership practice and to cultivate an approach to ministry that facilitates leadership development in those who serve and are served in the adventure ministry setting. Additionally, students will learn principles for effective organizational leadership. Students will design and evaluate leadership development programs in an outdoor ministry setting as part of this course. Offered in a modular format at HoneyRock.

OAL 662. Theology and Practice of Outdoor Ministry. (4 Credits)
This course is the foundational overview of the Outdoor Adventure Leadership Concentration of the Wheaton Graduate School. It is designed to equip students personally, spiritually and communally for a life of leadership and ministry in outdoor related ministries by helping students to develop personal vision, ministry skills, interpersonal competence, and a ministry philosophy. This course is offered in a modular format at HoneyRock.

OAL 661. Foundations of Experiential Education. (4 Credits)
This course introduces the principles and practices of experiential education in outdoor settings. Students will apply principles of experiential learning, spiritual development and leadership to outdoor programs utilizing group processes, adventure courses, and a wilderness expedition.

OAL 655. Temporary Communities and the Church. (4 Credits)
This course explores the mission and nature of the Church and how the temporary system can serve its renewal and development. Students examine historical and theological expressions for the church, including the church/parachurch dynamic. They study biblical principles and the practices of renewal, hospitality, and service.

OAL 660. Integrative Seminar. (0 Credits)
Integrates the various courses of the program into a unified whole. The Integrative Seminar fosters reflection on the academic, spiritual, and practical aspects of the degree while also assisting in plans for future growth and development in these areas. Includes a summative case study evaluation. Prerequisite: All core courses must be completed or in process.

OAL 692. Creative Project. (2 Credits)
Prerequisite: Department approval of student’s Final Project proposal.

OAL 698. Thesis/Applied Thesis. (2 Credits)
Prerequisite: Dept. approval of student’s Final Project Proposal.

Christian Formation and Ministry, MA

NOTE: This program is not admitting students at this time.

The Master’s program in Christian Formation and Ministry prepares students to foster the development, growth, nurture, and wholeness of Christians in a wide array of ministry settings. Our department is convinced that the individual well prepared for ministry will possess a strong liberal arts foundation in ministry-relevant disciplines, a growing capacity to effectively link theory and practice in concrete ministry settings, and a purposeful participation in an ongoing process of personal spiritual formation. Through these various avenues, students work to develop an integrated philosophy of formation and ministry that is biblically and theologically grounded, academically informed, and relevant to the needs of a changing world.

The program is designed for the “reflective practitioner” because it promotes a continual dialogue between foundational principles and pressing ministry concerns. As such, it is useful for anyone interested in facilitating spiritual formation in others, particularly those working in church and parachurch contexts, student development settings, schools, camps, and the mission field. Because of the value placed upon collaboration and the richness and diversity of faculty and students, there is a significant emphasis on the development of a vibrant learning community. In addition, students participate in spiritual formation courses that facilitate personal and corporate spiritual and character
development and the discernment of ministry calling in the context of this community.

While all of the courses are designed to reflect broad ministry concerns, students are encouraged to pursue their particular ministry interests throughout the program. Beyond the core requirements, students are required to select an area of ministry concentration. Students may choose a ministry concentration in:

- Church and Parachurch Ministry
- Bible, Theology, and Ministry

Regardless of the chosen focus area, students will benefit from the combination of core ministry themes and more specialized courses in areas of personal interest.

**Admissions**

**NOTE:** This program is not admitting students at this time.

Admission to the Christian Formation and Ministry graduate program is open both to those who are currently involved in ministry and to those who are preparing for future ministry. Admission does not require a specific undergraduate major or a prescribed set of courses, but students are expected to possess a basic knowledge of the Bible and proficiency in written and spoken English. Since this program is aimed at preparing students for Christian ministry, continued enrollment in the degree program requires successful candidacy approval, which occurs after admission and before 12 hours of coursework have been completed. During the candidacy approval process, CFM professors will evaluate the presence of essential ministry skills and dispositions, as well as the student’s demonstration of a commitment to growth in Christian virtues. At the time of acceptance into the program, the department will notify the student if there are course deficiencies which need to be met.

**Requirements**

**Requirements for the Christian Formation and Ministry** program leading to a Master of Arts degree consist of the successful completion of 42 semester hours. Students are required to complete 24 hours of core courses plus an additional 18 hours in a specified area of concentration.

**Concentration Area**

Select 18 credits in a specified area of concentration (see list) ²

1 As part of this 42-credit program, all graduate students are required to complete a theological studies requirement of 6 semester hours. For CFM students, this consists of CFM 512 (https://catalog.wheaton.edu/search/?P=CFM%20512) plus a 4-hour course from the Category I (https://catalog.wheaton.edu/graduate/academic-policies-information/academic-requirements) listing in the Graduate School section of this catalog. Students are also required to complete a zero-credit Integrative Seminar (CFM 683 [https://catalog.wheaton.edu/search/?P=CFM%20683]), a zero-credit Mentoring Group in their area of concentration registered each semester (CFM 691 [https://catalog.wheaton.edu/search/?P=CFM%20691]), a zero-credit Ministry Practicum (CFM 693 [https://catalog.wheaton.edu/search/?P=CFM%20693]) and a two-credit capstone research project (CFM 692 [https://catalog.wheaton.edu/search/?P=CFM%20692] or CFM 698 [https://catalog.wheaton.edu/search/?P=CFM%20698]).

2 Up to eight hours of electives within a concentration may be taken through independent study courses. With the exception of zero-credit offerings, courses taken on a pass/fail basis may not be applied to the degree requirements. For courses offered only on a pass/fail basis, two hours of pass/fail credit may be applied to the degree with approval of the department chair.

**Ministry Concentrations**

**Bible, Theology, and Ministry Concentration**

The Bible, Theology, and Ministry concentration is designed for those who desire a more advanced grounding in biblical and theological studies while also developing a strong ministry foundation. Students in this concentration will develop an integrated understanding of the biblical narrative, biblical interpretation, Christian theology, and church history while also developing a ministry philosophy, learning critical ministry skills, and deepening their engagement with personal spiritual formation.

**Code** | **Title** | **Credits**
--- | --- | ---
BITH 566 | Foundations for Biblical Interpretation (counts as TSR requirement) | 4

**Theological Studies**

Select 4 credits of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BITH 638</td>
<td>Old Testament Theology</td>
</tr>
<tr>
<td>BITH 648</td>
<td>New Testament Theology</td>
</tr>
<tr>
<td>BITH 565</td>
<td>Christian Theology</td>
</tr>
<tr>
<td>BITH 567 or BITH 382</td>
<td>Theology of the Church</td>
</tr>
<tr>
<td>BITH 561</td>
<td>Theological Anthropology</td>
</tr>
<tr>
<td>BITH 558</td>
<td>Topics in Advanced Biblical and Theological Studies</td>
</tr>
</tbody>
</table>

**Christian History**

Select 4 credits of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BITH 576</td>
<td>History of Christianity to 1900</td>
</tr>
<tr>
<td>BITH 581</td>
<td>The Reformation</td>
</tr>
<tr>
<td>BITH 687</td>
<td>Seminar in American Christianity and Historical Theology</td>
</tr>
<tr>
<td>BITH 653</td>
<td>Historical Theology: Patristic</td>
</tr>
<tr>
<td>BITH 654</td>
<td>Historical Theology: Medieval Christianity</td>
</tr>
</tbody>
</table>
Wheaton College

BITH 571 Introduction to the History of Christianity

BITH Elective
Select 4 credits

Open Elective
Select 4 credits

Bible, Theology, and Ministry Final Project

CFM 692 Creative Project
or CFM 698 Applied Thesis/Thesis

Church and Parachurch Concentration

The Church and Parachurch concentration is designed for those who are involved or interested in church and parachurch ministries in any setting. The core courses of this program are relevant to all ministry contexts, providing a solid foundation in biblical and theological reflection, ministry philosophy, practical skills, and personal spiritual formation. Beyond the core courses, students can tailor much of the program to their unique needs and interests, selecting a combination of courses that will best equip them for fruitful ministry.

Required Courses
CFM 523 Ministry Leadership and Organization

Church and Parachurch Final Project
OAL 534 Care and Counsel in Ministry
CFM 692 Creative Project
or CFM 698 Applied Thesis/Thesis

Electives
Select 10 credits in ministry-related courses (up to 8 credits can be taken from other graduate departments or other concentrations)

Total Credits

Evangelism and Leadership, MA

Our mission for this degree track is to develop people for effective work in evangelism that is informed by critical engagement with the nature of the gospel, Christian life and thought, and the cultures of the contemporary world. The Great Commission is a call for all followers of Christ to be engaged in the process of leading people to a relationship with Christ and nurturing them in discipleship and Christian growth. This can only be done through the power of the Holy Spirit and sensitive engagement with contemporary cultural, philosophical, historical, contextual, and lifestyle realities.

Requirements

The program leading to a Master of Arts in Evangelism and Leadership degree requires 40 hours of course work.

Code Title Credits

Biblical and Theological Studies Requirements

EVAN 526 Gospel: Theological Perspectives on Evangelism and Renewal

Select an approved 4-credit BITH course from the approved Category I list

Additional Requirements

EVAN 534 Apologetics in Global Contexts
EVAN 542 Church: Movements & Models
EVAN 545 Culture: Emerging & Global

Evangelism and Leadership Core

EVAN 558 Personal Development and Leadership
EVAN 559 Organizational and Change Leadership
EVAN 573 Evangelism Research Methods
INTR 561 Intercultural Communication (4-credit version)
EVAN 692 Comprehensive Exam

Electives
Select 8 credits

Total Credits

Fitting the professional nature of the degree, learning in many of the courses will be done through directed field work and other experiential methodologies. The degree must be completed within five years.

Outdoor and Adventure Leadership Concentration

Coordinator, Muhia Karianjahi

NOTE: This concentration is not admitting students at this time.

The concentration in Outdoor and Adventure Leadership (OAL) seeks to apply biblically grounded, historic principles of whole person development and formation, to leadership in the Christian camp, outdoor, and adventure ministry movement worldwide. Throughout human history, God has used temporary community experiences and engagement with creation to equip leaders for His mission of calling people to Himself, building Christ's church, and benefitting society worldwide. This program is designed for current camp ministry professionals as well as those looking for excellent training to launch them into the field. This degree is applicable to those working with youth and young adults in the fields of Christian camping, outdoor education, challenge course facilitation, wilderness ministry, and programming in college, church, or other organizational setting.

Students will be required to complete 40 hours of credit to graduate. Of these, 24 hours will be core courses in Evangelism and Leadership, while the remaining 16 credits will be courses from the Christian Formation and Ministry department.

The Evangelism and Leadership core courses required for the degree (24 hours) are:

Code Title Credits

Evangelism and Leadership Core

EVAN 526 Gospel: Theological Perspectives on Evangelism and Renewal
EVAN 534 Apologetics in Global Contexts (or substitute which must be approved by Program Coordinator)
EVAN 542 Church: Movements & Models
EVAN 545 Culture: Emerging & Global
EVAN 573 Evangelism Research Methods
INTR 561 Intercultural Communication
EVAN 692 Comprehensive Exam

Select one of the following BITH Category I TSR courses:

BITH 565 Christian Theology
BITH 566 Foundations for Biblical Interpretation
BITH 576 History of Christianity to 1900

Total Credits


The CFM courses required for the concentration (16 hours) are:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFM 547</td>
<td>Philosophy of Ministry</td>
<td>2</td>
</tr>
<tr>
<td>OAL 548</td>
<td>Program Planning and Leadership</td>
<td>2</td>
</tr>
<tr>
<td>OAL 661</td>
<td>Foundations of Experiential Education</td>
<td>4</td>
</tr>
<tr>
<td>OAL 662</td>
<td>Theology and Practice of Outdoor Ministry</td>
<td>4</td>
</tr>
<tr>
<td>OAL 663</td>
<td>Organizational Leadership and Staff Development in Outdoor Ministry</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Credits 16

Non-OAL students can register for Honey Rock courses only by permission from the Evangelism and Leadership Director and Honey Rock Director.

**Arrow Leadership Partner Program**

Associate Director, Christina Walker

Students who have graduated from the Arrow Leadership Program prior to admission may choose to enter the Arrow Leadership Partner Program. Through an arrangement between Wheaton College and the Arrow Leadership Program, upon:

1. Successful completion of EVAN 542 Church: Movements & Models
2. Recommendation of the Program Coordinator based on a paper summarizing the relevance of their Arrow work to evangelism and leadership.

Qualified students are granted a total of 14 credits (10 credits for their Arrow Partnership work and 4 credits for EVAN 542) towards the completion of the M.A. in Evangelism and Leadership degree.

In order to receive the Masters in Evangelism and Leadership, students take 26 semester hours of additional courses, including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVAN 526</td>
<td>Gospel: Theological Perspectives on Evangelism and Renewal</td>
<td>4</td>
</tr>
<tr>
<td>EVAN 545</td>
<td>Culture: Emerging &amp; Global</td>
<td>2</td>
</tr>
<tr>
<td>EVAN 559</td>
<td>Organizational and Change Leadership</td>
<td>4</td>
</tr>
<tr>
<td>EVAN 573</td>
<td>Evangelism Research Methods</td>
<td>2</td>
</tr>
<tr>
<td>INTR 561</td>
<td>Intercultural Communication</td>
<td>4</td>
</tr>
<tr>
<td>EVAN 692</td>
<td>Comprehensive Exam</td>
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</tr>
<tr>
<td>Select one of the listed Theological Studies Requirement Category I courses</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Select four elective credits</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 28

Students meet the graduate six-hour Biblical and Theological Studies requirement by taking an approved 4-hour BITH course from the approved Category I list and EVAN 526.

**3DM Partner Program**

Associate Director, Christina Walker

Students who are accepted into the 3DM Internship Program may choose to enter the 3DM Partner Program at Wheaton Graduate School. Through an arrangement between Wheaton College and 3DM, upon:

1. Successful completion of the 3DM internship and learning community experience,
2. Successful completion of EVAN 542 Church: Movements & Models and
3. Recommendation of the Program Coordinator based on a final paper for EVAN 542 which includes integrative reflection on their 3DM experience,

Qualified students are granted a total of 12 credits (8 credits for their 3DM work and 4 credits for EVAN 542) towards the completion of the M.A. in Evangelism and Leadership degree. The 8 semester hours awarded for their 3DM work will be MISS 564, MISS 565, and 4 credits of electives.

**Arrow Executive Stream Partner Program**

Associate Director, Christina Walker

Students who have graduated from the Arrow Executive Stream Program prior to admission may choose to enter the Arrow Executive Stream Partner Program. Through an arrangement between Wheaton College and the Arrow, upon:

1. Successful completion of EVAN 542 Church: Movements & Models and
2. The report of the Arrow President confirming successful completion of the Arrow Executive Stream work.

Qualified students are granted a total of 12 credits (8 credits for their Arrow Executive Stream work and 4 credits for EVAN 542) towards the completion of the M.A. in Evangelism and Leadership degree. The 8 semester hours awarded for their Arrow Executive Stream work will be MISS 558, MISS 561, and 4 credits of electives.
In order to receive the Masters in Evangelism and Leadership, students take 28 credits of additional courses, including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVAN 526</td>
<td>Gospel: Theological Perspectives on Evangelism and Renewal</td>
<td>4</td>
</tr>
<tr>
<td>EVAN 534</td>
<td>Apologetics in Global Contexts</td>
<td>2</td>
</tr>
<tr>
<td>EVAN 545</td>
<td>Culture: Emerging &amp; Global</td>
<td>4</td>
</tr>
<tr>
<td>EVAN 558</td>
<td>Personal Development and Leadership</td>
<td>4</td>
</tr>
<tr>
<td>EVAN 559</td>
<td>Organizational and Change Leadership</td>
<td>4</td>
</tr>
<tr>
<td>EVAN 573</td>
<td>Evangelism Research Methods</td>
<td>2</td>
</tr>
<tr>
<td>INTR 561</td>
<td>Intercultural Communication</td>
<td>4</td>
</tr>
<tr>
<td>EVAN 692</td>
<td>Comprehensive Exam</td>
<td>0</td>
</tr>
</tbody>
</table>

Select one of the listed Theological Studies Requirement Category I courses 4

Total Credits 28

Students meet the graduate six-hour Biblical and Theological Studies requirement by taking an approved 4-hour BITH course from the approved Category I list and EVAN 526 (https://catalog.wheaton.edu/search/?P=EVAN%20526).

If students are part of a cohort of ten NewThing partner program students or more, they may be able to take some of their approved courses at a NewThing training site with Wheaton College approved faculty.

**NewThing Partner Program**

**Associate Director**, Christina Walker

Students who have completed the NewThing Residency program may choose to enter the NewThing Partner Program at Wheaton Graduate School. Through an arrangement between Wheaton College and NewThing, upon:

1. Successful completion of the NewThing Residency, as documented by report from the NewThing Director, and

Qualified students are granted a total of 16 credits (12 credits for their NewThing work and 4 credits for EVAN 542 (https://catalog.wheaton.edu/search/?P=EVAN%20542)) towards the completion of the M.A. in Evangelism and Leadership degree. The 8 credits awarded for their NewThing work will be MISS 564 (https://catalog.wheaton.edu/search/?P=MISS%20564), MISS 565 (https://catalog.wheaton.edu/search/?P=MISS%20565), and 4 credits of electives.

In order to receive the Masters in Evangelism and Leadership, students take 24 semester hours of additional courses, including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVAN 526</td>
<td>Gospel: Theological Perspectives on Evangelism and Renewal</td>
<td>4</td>
</tr>
<tr>
<td>EVAN 534</td>
<td>Apologetics in Global Contexts</td>
<td>2</td>
</tr>
<tr>
<td>EVAN 545</td>
<td>Culture: Emerging &amp; Global</td>
<td>4</td>
</tr>
<tr>
<td>EVAN 558</td>
<td>Personal Development and Leadership</td>
<td>4</td>
</tr>
<tr>
<td>EVAN 559</td>
<td>Organizational and Change Leadership</td>
<td>4</td>
</tr>
<tr>
<td>EVAN 573</td>
<td>Evangelism Research Methods</td>
<td>2</td>
</tr>
</tbody>
</table>

Select one of the listed Theological Studies Requirement Category I courses 4

Total Credits 24

Students meet the graduate six-hour Biblical and Theological Studies requirement by taking an approved 4-hour BITH course from the approved Category I (https://catalog.wheaton.edu/graduate/academic-policies-information/academic-requirements) list and EVAN 526 (https://catalog.wheaton.edu/search/?P=EVAN%20526).

**Orchard Network Partner Program**

**Associate Director**, Christina Walker

Students who have completed the Orchard Network training program may choose to enter the Orchard Network Partner Program at Wheaton Graduate School. Through an arrangement between Wheaton College and Orchard Network, upon:

1. Successful completion of the Orchard Network training program, as documented by report from the Orchard Network Director, and

Qualified students are granted a total of 16 credits (12 credits for their Orchard Network work and 4 credits for EVAN 542 (https://catalog.wheaton.edu/search/?P=EVAN%20542)) towards the completion of the M.A. in Evangelism and Leadership degree. The 12 credits awarded for their Orchard Network work will be 4 credits of EVAN 558 (https://catalog.wheaton.edu/search/?P=EVAN%20558), 4 credits of electives, and 4 credits of internship.

In order to receive the Masters in Evangelism and Leadership, students take 24 semester hours of additional courses, including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVAN 526</td>
<td>Gospel: Theological Perspectives on Evangelism and Renewal</td>
<td>4</td>
</tr>
<tr>
<td>EVAN 545</td>
<td>Culture: Emerging &amp; Global</td>
<td>4</td>
</tr>
<tr>
<td>EVAN 559</td>
<td>Organizational and Change Leadership</td>
<td>4</td>
</tr>
<tr>
<td>EVAN 534</td>
<td>Apologetics in Global Contexts</td>
<td>2</td>
</tr>
<tr>
<td>MISS 576</td>
<td>Missional Movements and Evangelism</td>
<td>2</td>
</tr>
<tr>
<td>INTR 561</td>
<td>Intercultural Communication</td>
<td>4</td>
</tr>
<tr>
<td>EVAN 692</td>
<td>Comprehensive Exam</td>
<td>0</td>
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</tbody>
</table>

Select one of the listed Theological Studies Requirement Category I courses 4

Total Credits 24

Students meet the graduate six-hour Biblical and Theological Studies requirement by taking an approved 4-hour BITH course from the approved Category I (https://catalog.wheaton.edu/graduate/academic-policies-information/academic-requirements) list and EVAN 526 (https://catalog.wheaton.edu/search/?P=EVAN%20526).
ReTrain Partner Program

**Associate Director**, Christina Walker

Students who have completed the ReTrain training program may choose to enter the ReTrain Partner Program at Wheaton Graduate School. Through an arrangement between Wheaton College and the Episcopal Diocese of Florida, upon:

1. Receipt of a report from the Canon of Vocations confirming successful completion of their ReTrain course of study,
2. Attendance at a five-day capstone seminar, and
3. Successful completion as a paying student of EVAN 542 (https://catalog.wheaton.edu/search/?P=EVAN%20542) Church: Movements & Models

Qualified students are granted a total of 16 credits (12 credits for ReTrain work and 4 credits for EVAN 542 (https://catalog.wheaton.edu/search/?P=EVAN%20542)) towards the completion of the M.A. in Evangelism and Leadership degree. The 12 credits awarded for their ReTrain work will be 4 credits of EVAN 558 (https://catalog.wheaton.edu/search/?P=EVAN%20558), and 8 credits of internship.

In order to receive the Masters in Evangelism and Leadership, students take 24 semester hours of additional courses, including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVAN 526</td>
<td>Gospel: Theological Perspectives on Evangelism and Renewal</td>
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<tr>
<td>EVAN 545</td>
<td>Culture: Emerging &amp; Global</td>
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<tr>
<td>EVAN 559</td>
<td>Organizational and Change Leadership</td>
<td>4</td>
</tr>
<tr>
<td>EVAN 534</td>
<td>Apologetics in Global Contexts</td>
<td>2</td>
</tr>
<tr>
<td>EVAN 573</td>
<td>Evangelism Research Methods</td>
<td>2</td>
</tr>
<tr>
<td>INTR 561</td>
<td>Intercultural Communication</td>
<td>4</td>
</tr>
<tr>
<td>EVAN 692</td>
<td>Comprehensive Exam</td>
<td>0</td>
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<tr>
<td>Select one of the listed Theological Studies Requirement Category I courses</td>
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</tr>
</tbody>
</table>

Total Credits 24

Students meet the graduate six-hour Biblical and Theological Studies requirement by taking an approved 4-hour BITH course from the approved Category I (https://catalog.wheaton.edu/graduate/academic-policies-information/academic-requirements) list and EVAN 526 (https://catalog.wheaton.edu/search/?P=EVAN%20526).

Global Leadership, MA

**Director, Associate Professor** Rochelle Scheuermann  
**Associate Director** Christina Walker

Our mission for this program is to "develop academically grounded, spiritually maturing, and practically skilled leaders able to lead in global marketplace and nonprofit organizations in culturally savvy ways for Christ and His Kingdom." The structure of the 40 credit hour degree is designed to give students analytical, practical, and theological tools for leadership in multiple contexts.

*When our students graduate, we anticipate they will have become...*

- Leaders who are able to fruitfully guide organizational strategy and manage change.
- Leaders who are able to articulate and demonstrate the relationship of Christian mission and values with personal vocation.
- Leaders who are able to engage critically with leadership theory and practice.

**Admissions**

Admission to the Global Leadership program is open both to those serving or preparing to work in both marketplace and ministry roles. Admission does not require a specific undergraduate major or a prescribed set of courses, but students are expected to have demonstrated leadership experience and possess proficiency in written and spoken English.

**Requirements**

The program leading to a Master of Arts in Global Leadership degree consists of the successful completion of 40 credit hours.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEAD 547</td>
<td>Communication and Leadership</td>
<td>2</td>
</tr>
<tr>
<td>LEAD 556</td>
<td>Foundations of Leadership</td>
<td>4</td>
</tr>
<tr>
<td>LEAD 557</td>
<td>Global Leadership</td>
<td>4</td>
</tr>
<tr>
<td>LEAD 558</td>
<td>Personal Leadership and Ethics</td>
<td>4</td>
</tr>
<tr>
<td>LEAD 662</td>
<td>Developing Diverse People in Multicultural Teams</td>
<td>2</td>
</tr>
<tr>
<td>LEAD 663</td>
<td>Guiding Organizational Innovation and Change</td>
<td>2</td>
</tr>
<tr>
<td>LEAD 573</td>
<td>Qualitative Research Methods</td>
<td>2</td>
</tr>
<tr>
<td>INTR 561</td>
<td>Intercultural Communication (4-credit version)</td>
<td>4</td>
</tr>
<tr>
<td>EVAN 526</td>
<td>Gospel: Theological Perspectives on Evangelism and Renewal</td>
<td>4</td>
</tr>
</tbody>
</table>

**Biblical and Theological Studies Requirements**

Select an approved 4-credit BITH course from the approved Category I list.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEAD 693</td>
<td>Capstone</td>
<td>2</td>
</tr>
</tbody>
</table>

**Electives**

Student should select at least one from the following list of courses:

- LEAD 694 Special Topics in Leadership
- CFM 521 Personal Spiritual Formation
- HESD 575 Conflict & Mediation
- HDI 534 NGO Leadership
- INTR 563 Cross-Cultural Teaching and Learning

The remaining elective credits can come from any School of Mission, Ministry, and Leadership course. Students wanting another option should speak with the Program Director.

Total Credits 40

As part of this 40-credit program, all graduate students are required to complete a theological studies requirement of 6 credit hours. For Global Leadership students, this consists of EVAN 526 plus a 4-hour course from the approved Category I listing in the Graduate School section of this catalog.

**The Global Leadership Summit Partner Program**

Students interested in the MA in Global Leadership may choose to enter the Global Leadership Summit (GLS) Partner Program. Through an arrangement between GLS and Wheaton College, students are awarded 2 credits for LEAD 547 toward the MA in Global Leadership.
upon successful completion of the GLS Certificate (the GLS certificate is awarded by GLS).

Upon successful completion of both the GLS Certificate (awarded by GLS) and the Graduate Leadership Certificate (awarded by Wheaton College), students are awarded 2 credits in LEAD 547 toward the MA in Global Leadership. The 8 credits earned in LEAD 556 and LEAD 557 as part of the Graduate Leadership Certificate will also count toward the MA in Global Leadership. This would give the student 10 credits toward the 40 credits required for the MA degree.

Higher Education and Student Development, MA

The mission of the Master of Arts degree program in Higher Education and Student Development is to prepare individuals for professional positions in student affairs in schools, colleges, and universities, with a special focus upon emerging adult identity and spiritual formation. This program is intentionally aligned with the Guidelines for Master’s-level student affairs professional preparation programs, as identified by the Council for the Advancement of Standards in Higher Education (2001). In addition, as part of the Master’s degree, students will complete coursework in conflict mediation and receive a Certificate in Conflict Resolution from the Chicago Center for Conflict Resolution. Students will engage in coursework related to the organization and administration of student affairs, discipleship and spiritual formation, characteristics and development of emerging adults, kingdom diversity and justice, legal issues in higher education, and program evaluation and research.

This degree is offered in partnership between the School of Mission, Ministry & Leadership and the Student Development Division of Wheaton College. Most of the program faculty members are full-time, tenure track professors in the School of Mission, Ministry & Leadership, while others are fully engaged professionals, leading in a variety of Student Affairs positions.

We hope that our graduates will be characterized as academically grounded, spiritually maturing and practically skilled professional who humbly, compassionately, and wisely develop emerging adults, as they minister the Gospel and build up God’s people in a constantly changing world.

Academically grounded in that they...

• Articulate a biblical, theological, ethical, cultural, historical, and philosophical foundation in student affairs, in light of contemporary global realities.
• Identify student characteristics of emerging adults and how such attributes influence educational, developmental, and spiritual formation, as well as the effects of the college experience on student learning.
• Demonstrate comprehension of organizational, management, and leadership theory and practice; student affairs functions; legal issues in higher education; and professional issues, exhibiting the ability to synthesize knowledge across these content areas to apply to professional experiences with students.
• Complete an appropriate applied thesis, using qualitative and quantitative research methodologies to assess an area of student affairs, grounded in a review of the literature germane to the field of study, and demonstrate the ability to understand valid and reliable methods of research and its implications for student affairs.

Spiritually maturing in that they...

• Demonstrate a life of discipleship, spiritual growth, and balanced self-care as the foundation of effective ministry and leadership.
• Identify their gifts, calling and passions, and appropriately offer them in service to Christ and the world.
• Engage in authentic Christian community, valuing the diversity of cultures, ethnicities, traditions and individuals and effectively contribute as members of the Body of Christ.

Practically skilled in that they...

• Engage in conflict mediation and resolution practices and demonstrate effective intervention strategies.
• Teach and lead effectively, appropriately integrating truth, facilitating reflection, and experiences with integrity, humility, and grace, to build healthy communities and foster holistic development of individuals.
• Serve collaboratively and compassionately as part of a team, balancing the needs of others with adequate self-care.
• Demonstrate experiences in the necessary skills of student personnel professionals including: program planning, implementation, or evaluation; staff training, advising, or supervision; and administrative functions or processes.

Admissions

Admission to the Higher Education and Student Development graduate program is open both to those who are currently involved in higher education roles and to those who are preparing for future vocational service. Admission does not require a specific undergraduate major or a prescribed set of courses, but students are expected to possess a basic knowledge of the Bible and proficiency in written and spoken English. The MA in Higher Education and Student Development is aimed at preparing students for Christian vocation in the specific context of Student Development in a college setting. Continued enrollment in the degree program requires successful candidacy approval, which occurs after admission and before 12 hours of coursework have been completed. During the candidacy approval process, School of Mission, Ministry & Leadership professors and Student Development partners will evaluate the presence of essential professional and ministry skills and dispositions, as well as the student’s demonstration of a commitment to growth in Christian virtues. At the time of acceptance into the program, the department will notify the student if there are any deficiencies which need to be met.

Delivery Options

It is expected that all Higher Education and Student Development candidates will be engaged in a student development role while completing the degree, so that coursework is immediately integrated with student personnel practice.

Students apply for Graduate Assistantships or Graduate Residential Assistantships at Wheaton College, or another partner institution, as part of the application to the Wheaton College Graduate School. Students complete all courses as a cohort by taking modular intensive courses, combined with online or hybrid courses with faculty from the Wheaton College Graduate School campus in Illinois. All students assume roles as graduate assistants, coordinating some aspect of Student Development or Student Affairs, as the hands-on laboratory for student development practice and collaboration. An employment application process is required in addition to graduate school application.
Requirements

Requirements for the MA degree in Higher Education and Student Development. Students are required to complete 40 hours of credit in the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HESD 512</td>
<td>Bible in Ministry</td>
<td>2</td>
</tr>
<tr>
<td>HESD 514</td>
<td>Ministry in Culture</td>
<td>4</td>
</tr>
<tr>
<td>CFM 518</td>
<td>Research Methods for Ministry</td>
<td>2</td>
</tr>
<tr>
<td>CFM 521</td>
<td>Personal Spiritual Formation</td>
<td>2</td>
</tr>
<tr>
<td>HESD 534</td>
<td>Care and Counsel in Ministry</td>
<td>4</td>
</tr>
<tr>
<td>HESD 546</td>
<td>Facilitating Collegiate Learning</td>
<td>2</td>
</tr>
<tr>
<td>CFM 547</td>
<td>Philosophy of Ministry</td>
<td>2</td>
</tr>
<tr>
<td>HESD 548</td>
<td>Leadership &amp; Legal Issues</td>
<td>4</td>
</tr>
<tr>
<td>HESD 575</td>
<td>Conflict &amp; Mediation</td>
<td>4</td>
</tr>
<tr>
<td>HESD 641</td>
<td>Emerging Adult Development</td>
<td>4</td>
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</table>

Theological Studies Requirement (TSR)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BITH 565</td>
<td>Christian Theology</td>
<td>4</td>
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</tbody>
</table>

Final Project

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HESD 692</td>
<td>Creative Project</td>
<td>2</td>
</tr>
</tbody>
</table>

or HESD 698 | Applied Thesis |

Total Credits: 40

Humanitarian and Disaster Leadership, MA

Blanchard Chair and Executive Director, Associate Professor Jamie Aten

Humanitarian and Disaster Leadership offers training and preparation for employment in a wide range of humanitarian and disaster assistance related fields, both domestically and internationally. Students of the program will be equipped to lead with faith and humility, use evidence-based practices, and serve the most vulnerable and the Church globally. The program is designed for students looking to enter or to advance their career in the fields of international humanitarian aid, domestic disaster relief, emergency management, disaster ministry, non-profit, justice, refugee care, and homeland security-related fields. The program may also be used as preparation for future doctoral studies. Accelerated MA students can take classes Junior and Senior year that do not count towards their bachelor’s degree but which will count towards the MA should they matriculate in the accelerated MA Program.

Requirements

Requirements for the Humanitarian and Disaster Leadership program leading to a Master of Arts degree consists of the successful completion of 40 semester hours.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDI 514</td>
<td>Foundations of Disaster &amp; Humanitarian Assistance</td>
<td>4</td>
</tr>
<tr>
<td>HDI 524</td>
<td>Preparedness Planning, Mitigation, &amp; Continuity Management</td>
<td>4</td>
</tr>
<tr>
<td>HDI 534</td>
<td>NGO Leadership</td>
<td>2</td>
</tr>
<tr>
<td>HDI 544</td>
<td>Organizing Emergency Humanitarian Assistance</td>
<td>2</td>
</tr>
<tr>
<td>HDI 624</td>
<td>Refugee and Forced Migration Issues.</td>
<td>2</td>
</tr>
<tr>
<td>HDI 634</td>
<td>Field Work or Special Project</td>
<td>4</td>
</tr>
<tr>
<td>HDI 644</td>
<td>Global Public Health</td>
<td>2</td>
</tr>
<tr>
<td>HDI 654</td>
<td>Disaster, Crisis, &amp; Trauma Intervention</td>
<td>4</td>
</tr>
<tr>
<td>HDI 692</td>
<td>Comprehensive Exam</td>
<td>0</td>
</tr>
<tr>
<td>HDI 694</td>
<td>Field Operations</td>
<td>4</td>
</tr>
<tr>
<td>INTR 561</td>
<td>Intercultural Communication</td>
<td>4</td>
</tr>
</tbody>
</table>

Biblical and Theological Studies Requirement

Select one approved 4-credit BITH (TSR) course from the approved Category I list

Total Credits: 40

Intercultural Studies, MA

Director, Robert Gallagher

NOTE: This program will not be admitting any students after the Fall 2019 term.

Our mission for the degree tracks in the Intercultural Studies department is to develop effective cross-cultural professionals who are competent communicators of Christ, sensitive to other cultures, and effective servants.

The program leading to a Master of Arts degree is offered in hybrid format only and requires 36 hours of course work. The full-time hybrid track can be completed in one year (two semesters and one summer). Students who wish to complete a part-time hybrid program can do so in 2-3 years.

Lumina (Hong Kong) M.A. in Intercultural Studies

The MA in Intercultural Studies is also offered in partnership with Lumina College in Hong Kong (pending Higher Learning Commission approval). Students taking the Lumina College program will meet the normal MA in Intercultural Studies program requirements. However, they will take all courses in Hong Kong. The program will consist of one course per semester over a 3 to 5 year span, requiring two full days of class at the Lumina College campus each semester with the rest of the course conducted online. Students in the Lumina College program will not be able to take courses at Wheaton without department approval. For further information, browse to http://lumina.org.hk/?a=doc&id=190.

Requirements

The program leading to a Master of Arts degree is offered in hybrid format only and requires 36 hours of course work. Required courses include:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTR 531</td>
<td>Theological Foundations</td>
<td>2</td>
</tr>
</tbody>
</table>

Biblical and Theological Studies Requirement

Select an approved 4-credit BITH course from the approved Category I list

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTR 514</td>
<td>Spiritual and Professional Formation</td>
<td>4</td>
</tr>
<tr>
<td>INTR 521</td>
<td>Historical Foundations</td>
<td>2</td>
</tr>
<tr>
<td>INTR 532</td>
<td>Contextualization in Global Settings</td>
<td>4</td>
</tr>
<tr>
<td>INTR 561</td>
<td>Intercultural Communication</td>
<td>4</td>
</tr>
<tr>
<td>INTR 566</td>
<td>Religious Life in Global Settings</td>
<td>4</td>
</tr>
<tr>
<td>INTR 572</td>
<td>Cross-Cultural Research</td>
<td>4</td>
</tr>
</tbody>
</table>
Ministry Leadership, MA

**Director, Associate Professor** Rochelle Scheuermann  
**Associate Director** Christina Walker

Our mission for this degree track is to develop mission-driven and spiritually-formed leaders skilled in leading organizations, movements, and churches in culturally savvy ways for Christ and His Kingdom.

**Admissions**

Admission to the Ministry Leadership graduate program is open both to those serving or preparing to work in both marketplace and ministry roles. Admission does not require a specific undergraduate major or a prescribed set of courses, but students are expected to have demonstrated leadership experience and possess proficiency in written and spoken English.

**Requirements**

Requirements for the Ministry Leadership program leading to a Master of Arts consists of the successful completion of 42 credit hours.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVAN 526</td>
<td>Gospel: Theological Perspectives on Evangelism and Renewal (Category II TSR)</td>
<td>4</td>
</tr>
<tr>
<td>EVAN 542</td>
<td>Church: Movements &amp; Models</td>
<td>4</td>
</tr>
<tr>
<td>EVAN 545</td>
<td>Culture: Emerging &amp; Global</td>
<td>4</td>
</tr>
<tr>
<td>BITH 533</td>
<td>Exploring the Old Testament</td>
<td>4</td>
</tr>
<tr>
<td>BITH 555</td>
<td>Exploring the New Testament</td>
<td>4</td>
</tr>
<tr>
<td>BITH 565</td>
<td>Christian Theology (Category I TSR)</td>
<td>4</td>
</tr>
<tr>
<td>BITH 566</td>
<td>Foundations for Biblical Interpretation</td>
<td>4</td>
</tr>
<tr>
<td>MIN 547</td>
<td>Preaching</td>
<td>2</td>
</tr>
<tr>
<td>MIN 558</td>
<td>Personal Leadership and Development in Ministry</td>
<td>4</td>
</tr>
<tr>
<td>MIN 559</td>
<td>Organizational Change and Leadership in Ministry</td>
<td>4</td>
</tr>
<tr>
<td>MIN 561</td>
<td>Congregational Leadership: Worship, Discipleship, and Care</td>
<td>4</td>
</tr>
<tr>
<td>LEAD 556</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIN 561</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>42</td>
</tr>
</tbody>
</table>

The Global Leadership Summit Partner Program

Students interested in the M.A. in Ministry Leadership may choose to enter The Global Leadership Summit (GLS) Partner Program. Through an arrangement between GLS and Wheaton College, students who have successfully completed the GLS certificate (the GLS certificate is awarded by the Global Leadership Summit) are awarded 2 credits for LEAD 547 (as a substitute for MIN 547) toward the M.A. in Ministry Leadership upon successful completion of the comprehensive exam with a passing grade at the end of the Ministry Leadership program.

Upon successful completion of both the GLS Certificate (awarded by GLS) and the Graduate Leadership Certificate (awarded by Wheaton College), students are awarded 2 credits in LEAD 547 (as a substitute for MIN 547) toward the M.A. in Ministry Leadership. The 8 credits earned in LEAD 556 and MIN 561 as part of the Graduate Leadership Certificate will also count toward the M.A. in Ministry Leadership. This would give the student 10 credits toward the 42 credits required for the M.A. degree.

**Missional Church Movements, MA**

Our mission for this degree track is to develop people for effective work in planting and building reproducing missional churches, ministries, and movements that reflect a critical engagement with the nature of the gospel, Christian life and thought, and the cultures of the contemporary world. The Great Commission is a call for all followers of Christ to be engaged in the process of leading people to a relationship with Christ, nurturing them in discipleship and Christian growth, and involving them in expressions of God’s people on God’s mission. This can only be done through the power of the Holy Spirit and sensitive engagement with contemporary cultural, philosophical, historical, contextual, and lifestyle realities.

**Requirements**

The program leading to a Master of Arts degree requires 40 credit hours of course work.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVAN 526</td>
<td>Gospel: Theological Perspectives on Evangelism and Renewal</td>
<td>4</td>
</tr>
<tr>
<td>Select an approved BITH course from the approved Category I list</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>MISS 562</td>
<td>Launching Apostolic Movements</td>
<td>4</td>
</tr>
<tr>
<td>MISS 564</td>
<td>Planting and Growing Reproducing Churches</td>
<td>2</td>
</tr>
<tr>
<td>MISS 565</td>
<td>Incarnational Ministry for Missional Churches</td>
<td>2</td>
</tr>
<tr>
<td>MISS 568</td>
<td>Organic and Simple Church</td>
<td>2</td>
</tr>
<tr>
<td>MISS 575</td>
<td>Urban Missional Movements</td>
<td>2</td>
</tr>
<tr>
<td>MISS 576</td>
<td>Missional Movements and Evangelism</td>
<td>2</td>
</tr>
<tr>
<td>EVAN 542</td>
<td>Church: Movements &amp; Models</td>
<td>4</td>
</tr>
<tr>
<td>EVAN 545</td>
<td>Culture: Emerging &amp; Global</td>
<td>4</td>
</tr>
<tr>
<td>EVAN 559</td>
<td>Organizational and Change Leadership</td>
<td>4</td>
</tr>
<tr>
<td>INTR 561</td>
<td>Intercultural Communication</td>
<td>4</td>
</tr>
<tr>
<td>MISS 692</td>
<td>Comprehensive Exam</td>
<td>0</td>
</tr>
<tr>
<td>Electives</td>
<td>Select 4 credits</td>
<td>4</td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>40</td>
</tr>
</tbody>
</table>

Fitting the professional nature of the degree, learning in many of the courses will be done through directed field work, field trips, and other experiential methodologies. The degree must be completed within five years.

**3DM Partner Program**

**Associate Director**, Christina Walker

Students who are accepted into the 3DM Internship Program may choose to enter the 3DM Partner Program at Wheaton Graduate School. Through an arrangement between Wheaton College and 3DM, upon:

1. Successful completion of the 3DM internship and learning community experience,
2. Successful completion of EVAN 542 (https://catalog.wheaton.edu/search/?P=EVAN%20542) and
3. Recommendation of the Program Coordinator based on a final paper for EVAN 542 (https://catalog.wheaton.edu/search/?P=EVAN%20542) which includes integrative reflection on their 3DM experience.

Qualified students are granted a total of 12 semester hours of credit (8 for their 3DM work and 4 for EVAN 542 (https://catalog.wheaton.edu/search/?P=EVAN%20542)) towards the completion of the M.A. in Missional Church Movements degree. The 8 credits awarded for their 3DM work will be MISS 564 (https://catalog.wheaton.edu/search/?P=MISS%20564), MISS 565 (https://catalog.wheaton.edu/search/?P=MISS%20565), and 4 credits of electives.

In order to receive the Masters in Missional Church Movements, students take 28 semester hours of additional courses, including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVAN 526</td>
<td>Gospel: Theological Perspectives on Evangelism</td>
<td>4</td>
</tr>
<tr>
<td>EVAN 545</td>
<td>Culture: Emerging &amp; Global</td>
<td>4</td>
</tr>
<tr>
<td>EVAN 559</td>
<td>Organizational and Change Leadership</td>
<td>4</td>
</tr>
<tr>
<td>MISS 562</td>
<td>Launching Apostolic Movements</td>
<td>4</td>
</tr>
<tr>
<td>MISS 568</td>
<td>Organic and Simple Church</td>
<td>2</td>
</tr>
<tr>
<td>MISS 575</td>
<td>Urban Missional Movements</td>
<td>2</td>
</tr>
<tr>
<td>INTR 561</td>
<td>Intercultural Communication</td>
<td>4</td>
</tr>
<tr>
<td>MISS 692</td>
<td>Comprehensive Exam</td>
<td>0</td>
</tr>
</tbody>
</table>

In order to receive the Masters in Missional Church Movements, students take 28 semester hours of additional courses, including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVAN 526</td>
<td>Gospel: Theological Perspectives on Evangelism</td>
<td>4</td>
</tr>
<tr>
<td>EVAN 545</td>
<td>Culture: Emerging &amp; Global</td>
<td>4</td>
</tr>
<tr>
<td>EVAN 559</td>
<td>Organizational and Change Leadership</td>
<td>4</td>
</tr>
<tr>
<td>MISS 562</td>
<td>Launching Apostolic Movements</td>
<td>4</td>
</tr>
<tr>
<td>MISS 568</td>
<td>Organic and Simple Church</td>
<td>2</td>
</tr>
<tr>
<td>MISS 575</td>
<td>Urban Missional Movements</td>
<td>2</td>
</tr>
<tr>
<td>INTR 561</td>
<td>Intercultural Communication</td>
<td>4</td>
</tr>
<tr>
<td>MISS 692</td>
<td>Comprehensive Exam</td>
<td>0</td>
</tr>
</tbody>
</table>

Select one of the listed Theological Studies Requirement Category I courses 4

Total Credits 28

Students meet the graduate six-hour Biblical and Theological Studies requirement by taking an approved 4-hour BITH course from the approved Category I list and EVAN 526 (https://catalog.wheaton.edu/search/?P=EVAN%20526).

If students are part of a cohort of ten NewThing partner program students or more, they may be able to take some of their approved courses at a NewThing training site with Wheaton College approved faculty.

NewThing Partner Program

Associate Director, Christina Walker

Students who have completed the NewThing Residency program may choose to enter the NewThing Partner Program at Wheaton Graduate School. Through an arrangement between Wheaton College and NewThing, upon:

1. Successful completion of the NewThing Residency, as documented by report from the NewThing Director, and
2. Successful completion of EVAN 542 (https://catalog.wheaton.edu/search/?P=EVAN%20542),

Qualified students are granted a total of 12 semester hours of credit (8 for their NewThing work and 4 for EVAN 542 (https://catalog.wheaton.edu/search/?P=EVAN%20542)) towards the completion of the M.A. in Missional Church Movements degree. The 8 credits awarded for their NewThing work will be MISS 564 (https://catalog.wheaton.edu/search/?P=MISS%20564), MISS 565 (https://catalog.wheaton.edu/search/?P=MISS%20565), and 4 credits of electives.

In order to receive the Masters in Missional Church Movements, students take 28 semester hours of additional courses, including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVAN 526</td>
<td>Gospel: Theological Perspectives on Evangelism</td>
<td>4</td>
</tr>
<tr>
<td>EVAN 545</td>
<td>Culture: Emerging &amp; Global</td>
<td>4</td>
</tr>
<tr>
<td>EVAN 559</td>
<td>Organizational and Change Leadership</td>
<td>4</td>
</tr>
<tr>
<td>MISS 562</td>
<td>Launching Apostolic Movements</td>
<td>4</td>
</tr>
<tr>
<td>MISS 568</td>
<td>Organic and Simple Church</td>
<td>2</td>
</tr>
<tr>
<td>MISS 575</td>
<td>Urban Missional Movements</td>
<td>2</td>
</tr>
<tr>
<td>INTR 561</td>
<td>Intercultural Communication</td>
<td>4</td>
</tr>
<tr>
<td>MISS 692</td>
<td>Comprehensive Exam</td>
<td>0</td>
</tr>
</tbody>
</table>

Select one of the listed Theological Studies Requirement Category I courses 4

Total Credits 28

Students meet the graduate six-hour Biblical and Theological Studies requirement by taking an approved 4-hour BITH course from the approved Category I list and EVAN 526 (https://catalog.wheaton.edu/search/?P=EVAN%20526).

If students are part of a cohort of ten NewThing partner program students or more, they may be able to take some of their approved courses at a NewThing training site with Wheaton College approved faculty.

Outdoor and Adventure Leadership, MA

The mission of the Master of Arts degree program in Outdoor and Adventure Leadership (OAL) is to build Christ's church and benefit society worldwide by fostering the development of whole and effective leaders through transformational outdoor experiences.

This degree is offered through HoneyRock, Wheaton College's Outdoor Center for Leadership Development in the Northwoods of Wisconsin. Since 1951, HoneyRock has operated as an experiential leadership development laboratory that integrates leadership of camp programs with liberal arts training and coursework to develop leaders for Christ church worldwide. HoneyRock operates as a fully functioning camp year-round, providing a variety of youth focused camp and undergraduate programs as the context for graduate student learning. Our faculty are fully engaged practitioner-scholars, simultaneously leading a camp while they study and teach in the field.

A Masters degree in Outdoor and Adventure Leadership seeks to apply the biblically grounded, historic principles of whole person development and formation to leadership in the Christian camp, outdoor, and adventure ministry movement worldwide. Throughout human history, God has used temporary community experiences and engagement with creation to equip leaders for His mission of calling people to Himself, building Christ's church, and benefiting society worldwide. This program is designed for current ministry professionals, as well as those looking for excellent training to launch them into the field. Students pursuing a degree in Outdoor and Adventure Leadership will pursue development...
of the following competencies for effectiveness in the field of outdoor and adventure ministries. This degree is applicable to those in the fields of Christian camping, outdoor education, challenge course facilitation, wilderness ministry, and outdoor related programming in college, church, or other organizational settings.

We hope that our graduates will be characterized as academically grounded, spiritually maturing and practically skilled leaders who humbly, compassionately, and wisely minister the Gospel and build up God’s people in a constantly changing world.

**Academically grounded** in that they will have...

- Articulated a biblical, theological, historical, and philosophical perspective of formation and ministry, in light of contemporary global realities.
- Identified the role of creation, temporary community and organizational dynamics as context for fostering encounters with God and holistic growth.
- Demonstrated an understanding of the spiritual formation and experiential education practices by applying them in outdoor ministry contexts.

**Spiritually maturing** in that they will have...

- Demonstrated a life of discipleship, spiritual growth, and balanced self-care as the foundation of effective ministry and leadership. (B1; IF1, IF3)
- Identified their gifts, calling and passions, and appropriately offered them in service to Christ and the world.
- Engaged in authentic Christian community, valuing the diversity of cultures, ethnicities, traditions and individuals and effectively contributing as a member of Body of Christ.

**Practically skilled** in that they will have...

- Taught and led effectively, appropriately integrating truth, facilitated reflection, and experiences in creation to build healthy communities and foster holistic development of individuals.
- Served collaboratively and compassionately as part of a team for the achievement of organizational purposes and shared goals.
- Demonstrated the necessary skills of an outdoor ministry leader-scholar including: creation care; organizational leadership; oral and written communication; program development, implementation, and evaluation; facilitative leadership and reflection; and multiple outdoor related activities.

**Delivery Options**

It is expected that all OAL students have an active role in an outdoor related ministry while completing the degree so that coursework is immediately integrated with ministry practice. As a result, students have two options for completing the degree.

First, students can apply to live, work and study full-time at HoneyRock. Students complete all courses as a cohort by taking modular intensive courses with faculty at HoneyRock, combined with a few teleconferenced, online or hybrid courses with faculty from the Wheaton Graduate School campus in Illinois. All students at HoneyRock will also have a role as a graduate assistant, coordinating some aspect of HoneyRock’s ministry as the hands-on laboratory for ministry practice and collaboration. An employment application process is required in addition to the graduate school application.

The second option is for students to participate from a distance while maintaining their role as an employee or graduate assistant in another camp or outdoor ministry related organization. In this model, students take some courses in an online or hybrid format and others by attending modular intensive courses at HoneyRock or at one of our remotely located partner organizations.

**Requirements**

**Requirements for the Outdoor and Adventure Leadership MA**, students will complete 32 hours of credit in the following core courses and 8 hours of credit in approved elective courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BITH 565</td>
<td>Christian Theology</td>
<td>4</td>
</tr>
<tr>
<td>CFM 518</td>
<td>Research Methods for Ministry</td>
<td>2</td>
</tr>
<tr>
<td>CFM 521</td>
<td>Personal Spiritual Formation</td>
<td>2</td>
</tr>
<tr>
<td>CFM 547</td>
<td>Philosophy of Ministry</td>
<td>2</td>
</tr>
<tr>
<td>OAL 525</td>
<td>Camp Ministry-Global Context</td>
<td>4</td>
</tr>
<tr>
<td>OAL 534</td>
<td>Care and Counsel in Ministry</td>
<td>2</td>
</tr>
<tr>
<td>OAL 548</td>
<td>Program Planning and Leadership</td>
<td>2</td>
</tr>
<tr>
<td>OAL 661</td>
<td>Foundations of Experiential Education</td>
<td>4</td>
</tr>
<tr>
<td>OAL 662</td>
<td>Theology and Practice of Outdoor Ministry</td>
<td>4</td>
</tr>
<tr>
<td>OAL 663</td>
<td>Organizational Leadership and Staff Development in Outdoor Ministry</td>
<td>4</td>
</tr>
<tr>
<td>OAL 683</td>
<td>Integrative Seminar</td>
<td>0</td>
</tr>
<tr>
<td>OAL 692</td>
<td>Creative Project</td>
<td>2</td>
</tr>
<tr>
<td>or OAL 698</td>
<td>Thesis/Applied Thesis</td>
<td></td>
</tr>
</tbody>
</table>

**Elective Courses**

The elective options allow students to specialize in an area related to their context and calling in camp ministry. Students will propose their elective courses for approval as part of their candidacy application. They may choose from one the specializations below or develop their own by selecting from available and accessible courses in the Wheaton College Graduate School or at another college.

Potential specializations include:

- Curriculum planning and development with courses from CFM
- Adventure program leadership: OAL 564 and OAL 664 at HoneyRock
- Church ministry with approved courses from the EVAN or MISS programs
- Higher education student affairs with courses from the Higher Education and Student Affairs program in CFM
- Global ministry with courses from the INTR program
- Independent study (CFM 695) in special topics related to aspects of camp ministry including: adventure leadership skills, site and facility management, marketing, and advancement/fundraising.
- Current issues study (CFM 694) on ministry with special populations including (as examples): people with disabilities, fatherless youth, gap year programming, college outdoor orientation programs, or military healing and recovery.

**Cross-Cultural Ministry Certification**

**NOTE:** This program will not be admitting any students after the Fall 2019 term.
The Certification in Cross-Cultural Ministry is a partnership program with Wycliffe Bible Translators which provides semester-long specialized training for those transitioning out of the government service into Christian ministry. Courses are offered in hybrid format with 1 week on Wycliffe’s Orlando headquarters site followed by online instruction. In addition to normal Wheaton Graduate School special student admission requirements, entry into this program requires departmental approval prior to matriculation.

**Requirements**

Required courses for the certification, pending successful resolution of any outstanding questions or administrative issues, are:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTR 531</td>
<td>Theological Foundations</td>
<td>2</td>
</tr>
<tr>
<td>INTR 532</td>
<td>Contextualization in Global Settings</td>
<td>4</td>
</tr>
<tr>
<td>INTR 561</td>
<td>Intercultural Communication</td>
<td>4</td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>10</td>
</tr>
</tbody>
</table>

Those who complete the program are able to apply for entry into the M.A. in Intercultural Studies (p. 306) degree program and have their Certification coursework apply towards their M.A. requirements.

**Global Engagement Certificate**

**NOTE:** This program is not admitting students at this time.

The Certificate in Global Engagement equips graduates theologically, academically, and practically for effective cross-cultural transformational ministry across disciplines and vocation. Graduate students from non-INTR programs may complete the certificate to prepare for vocational work in multicultural settings. The certificate is appropriate for persons working in non-governmental organizations, multicultural ministries or other types of cross-cultural work who desire professional development.

Students must complete 20 credit hours of globally-focused courses to provide strong theological, philosophical, theoretical, and practical engagement with global issues. Each course is selected to expand students' frameworks and analytic skills for engaging global cultures, influences, and persons in theologically-grounded ways.

**Requirements**

Students must complete 20 credit hours, required courses are:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTR 561</td>
<td>Intercultural Communication</td>
<td>4</td>
</tr>
<tr>
<td>INTR 532</td>
<td>Contextualization in Global Settings</td>
<td>4</td>
</tr>
<tr>
<td>INTR 566</td>
<td>Religious Life in Global Settings</td>
<td>4</td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>10</td>
</tr>
</tbody>
</table>

Each student’s program is worked out individually in consultation with an advisor.

**Organizational Leadership Certificate**

**Director, Associate Professor** Rochelle Scheuermann

**Associate Director** Christina Walker

The Organizational Leadership Certificate (in partnership with the Global Leadership Summit) will “equip students with the academic, spiritual, and practical skills needed to lead in global marketplace and nonprofit or church and parachurch organizations in culturally savvy ways for Christ and His Kingdom.”

When our students complete this certificate, we anticipate they have become...

- Leaders who are able to communicate vision and change in a variety of contexts, cultures, and teams.
- Leadership who are able to develop themselves and diverse others.
- Leaders who are able to fruitfully guide organization strategy and manage change within global contexts.

**Admissions**

Students who have successfully completed the Global Leadership Summit Certificate prior to admission may apply to enter the Organizational Leadership Certificate. Admission does not require a specific undergraduate major, but students are expected to have demonstrated leadership experience and possess proficiency in written and spoken English.

**Requirements**

Requirements for the Organizational Leadership Certificate:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEAD 556</td>
<td>Foundations of Leadership</td>
<td>4</td>
</tr>
<tr>
<td>Choose ONE of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LEAD 557</td>
<td>Global Leadership</td>
<td>4</td>
</tr>
<tr>
<td>MIN 561</td>
<td>Congregational Leadership: Worship, Discipleship, and Care</td>
<td>4</td>
</tr>
</tbody>
</table>

Select 8 credits from the following:

- BITH 577 World Christianity
- EVAN 545 Culture: Emerging & Global
- HESD 514 Ministry in Culture
- INTR 563 Cross-Cultural Teaching and Learning
- INTR 572 Cross-Cultural Research
- INTR 621 Transformational Development

Total Credits 20
SCHOOL OF PSYCHOLOGY, COUNSELING & FAMILY THERAPY

Faculty
Dean of the School of Psychology, Counseling, and Family Therapy, Professor Terri Watson
Arthur P. Rech and Mrs. Jean May Rech Professor of Psychology Mark Yarhouse
Professor of Counseling Tammy Schultz
Professors of Psychology Richard Butman, Sally Schwer Canning, William Struthers
Associate Professor of Marriage and Family Therapy David Van Dyke
Associate Professors of Psychology Aimee Callender, Ward Davis, Sarah Hall, Raymond Phinney, Benjamin Pykkonen, Sandra Yu Rueger, John Vessey
Assistant Professors of Counseling Eric Brown, Bellah Kitaki
Assistant Professors of Marriage and Family Therapy Jacob Johnson, Hana Yoo
Assistant Professors of Psychology Elisha Eveleigh, Christin Fort, Darlene Hannah, Tao Liu, John McConnell, Vitaliy Volyenko
Emerita Scholar in Residence Cynthia Neal Kimball
Emeritus Professor of Psychology Stanton Jones

Programs
- Clinical Mental Health Counseling, MA (p. 317)
- Marriage and Family Therapy, MA (p. 318)
- Clinical Psychology, Psy.D. (p. 318)

Courses
Clinical Mental Health Counseling Courses
CMHC 611. Foundations of Integration I. (1 Credit)
A seminar in which an understanding of social, cultural, and spiritual context is developed to facilitate an integrated view of the person and of mental health practice. Emphasis is on historical, philosophical, and theological perspectives.

CMHC 612. Foundations of Integration II. (1 Credit)
A continuation of seminar I which facilitates an integrated view of the person and of mental health practice. Emphasis is on application of faith practice integration to the treatment of marginalized populations and service to the church worldwide.

CMHC 613. Foundations of Integration III. (1 Credit)
A seminar that focuses on entry into clinical mental health practice, including application for licensure, models of supervision and consultation, and building a career and/or ministry in the mental health field.

CMHC 614. Group Counseling. (2 Credits)
The study of group counseling, theory, and models of practice, including the role of group leadership; tools for forming a group and orienting members; and catalysts for interaction, skills for conducting and evaluating counseling/therapy groups. Emphasis will be given to ethical issues. Must be taken concurrently with CMHC 614L.

CMHC 614L. Group Counseling Lab. (1 Credit)
Provides an experiential small group designed to promote personal and professional growth. Graded pass/fail. Concurrent registration with CMHC 614.

CMHC 618. Research Design and Program Evaluation. (3 Credits)
Overviews the research and program evaluation methodologies available to mental health professionals. Emphasis will be given to the design, implementation, and critique of clinically relevant research.

CMHC 621. Counseling Skills & Techniques. (2 Credits)
Focuses on the development of counseling skills and techniques essential to clinical mental health practice, from a humanistic/ experiential and existential perspective. Must be taken concurrently with CMHC 621L. This course is available only to CMHC students.

CMHC 621L. Basic Counseling Skills Lab. (1 Credit)
A basic skills lab involving practice, video-taped sessions, and supervision of counseling skills necessary to establishing and maintaining a professional helping relationship. Concurrent registration with CMHC 621. This course is available only to CMHC students. Graded pass/fail.

CMHC 622. Clinical Counseling Theories and Practice I. (3 Credits)
The study of theories and models of personality and psychopathology, as well as methods of counseling, from a psychodynamic perspective. Emphasis will be given to the development of appropriate counseling treatment plans. This course is available only to CMHC students.

CMHC 623. Clinical Counseling Theories and Practice II. (3 Credits)
The study of theories and models of personality and psychopathology, as well as methods of counseling, from a behavioral and cognitive - behavioral perspective. Emphasis will be given to the development of appropriate counseling treatment plans. This course is available only to CMHC students.

CMHC 624. Issues and Ethics in Professional Practice. (3 Credits)
Introduces concepts regarding the professional functioning of counselors, including history, roles, professional organizations, ethics, legalities, standards, and credentialing. Current issues in the practice of counseling in a professional setting are explored. This course is available only to CMHC students. Course Fee. (Program counseling fee – 1st semester)

CMHC 631. Lifespan Development. (3 Credits)
Addresses the major theories of human development across the life span. Stages and developmental tasks related to normal development, prevention of mental health crises, and counseling are explored. Concerns of individuals at different life stages are addressed, with an emphasis on the physical, emotional, intellectual, and spiritual growth of the individual.

CMHC 632. Crises & Community Counseling. (3 Credits)
An introduction to community and crisis counseling and models of community resiliency. Emphasis on providing evidence-based clinical interventions in disaster and crisis situations, including emergencies requiring advocacy, intervention, and support. Topics addressed include vicarious trauma, psychological first aid, suicide prevention models, and community based prevention and intervention strategies. Counselors’ roles and responsibilities during crises and counselor self-care strategies will be explored. Prerequisites: CMHC 621, 625.
CMHC 633. Couples Counseling. (3 Credits)
An introduction to the practice of couples counseling, including an overview of the major models and techniques from both the professional and Christian literature with special attention to ethnicity and gender issues in couple assessment and treatment. Discussion of contemporary issues including divorce, remarriage, domestic violence, infidelity, cross-cultural marriage, same sex couples, couples in ministry, and gender issues will be emphasized.

CMHC 635. Adv Trauma Assessment. (3 Credits)

CMHC 636. Family Systems Theory and Counseling. (3 Credits)
An examination of the major models of family systems theory and counseling applied to the understanding of normal and abnormal family functioning. This course is available only to CMHC students.

CMHC 641. Assessment in Counseling. (3 Credits)
A clinical skills course focusing on the principles of measurement and assessment and counseling use of various assessment instruments: achievement, aptitude, intelligence, interest, and personality. Covers supervision in administering, scoring, and interpreting assessment tools.

CMHC 642. Psychopathology: Biological and Sociocultural Foundations. (3 Credits)
The study of the major mental disorders as defined by the DSM including an introduction to the etiology, diagnosis, treatment, appropriate psychopharmacological interventions, biological bases of behavior, and spiritual dimensions of these disorders. Explores the impact of culture and emerging technologies on the treatment of individuals and groups.

CMHC 644. Child and Adolescent Development and Treatment. (3 Credits)
An examination of the models of understanding child and adolescent development and psychopathology and an introduction to the treatment modalities for children and adolescents.

CMHC 647. Foundations of Play Therapy. (3 Credits)
Provides an overview of the essential elements and principles of play therapy, including history, theories, modalities, techniques, applications, and skills. Emphasizes an experiential component focused on basic play therapy skill development within the context of ethical and diversity sensitive practice. Prerequisites: CMHC 621, 622, and 631 or permission of instructor.

CMHC 649. Multicultural Issues and Social Advocacy in Counseling. (3 Credits)
Examines theories of multicultural counseling, identity development, pluralistic trends, and the application of culturally appropriate intervention strategies to individuals, couples, families, groups, and communities. Major ethnic groups are studied, along with the counseling, social justice, and advocacy approaches to each. Counselor cultural self-awareness and the role of counseling in eliminating bias, prejudice, oppression, and discrimination are emphasized.

CMHC 651. Substance Abuse and Addictions. (3 Credits)
A survey of basic issues surrounding the conceptualization, etiology, progression, assessment, and treatment of chemical abuse, dependence, and addiction, including the study of the family of the chemically dependent individual.

CMHC 653. Lifestyle & Career Development. (3 Credits)
An overview of theories of occupational choice and career development and their application to assessing, treating, and preventing career problems across the life cycle.

CMHC 691. Comprehensive Exit Exam. (0 Credits)
Objective written comprehensive exam that may be taken at any point in the program once the student has completed 36 hours of coursework. The exam covers the eight CACREP common core areas: Human Growth, Social and Cultural Foundations, Helping Relationships, Group Counseling, Career and Lifestyle Development, Appraisal, Research and Program Evaluation, and Professional Orientation and Ethics. Students are permitted up to 3 exam attempts within 12 months before being assigned a final grade in the course. Students have one year from the first test date to retake the test twice (for a total of three times). Course is not repeatable. Prerequisites: CMHC 614, 614L, CMHC 618, 621, 621L, CMHC 622, 623, 624, 631, 636, 641, 642, 649, and CMHC 653. Graded pass/fail. Fee $50

CMHC 692. Graduate Counseling Practicum. (3 Credits)
Introductory supervised field experience that provides students with the opportunity to observe clinical mental health professionals as they function and to develop primary level mental health service provision skills. Participation in a regularly scheduled professional development seminar with faculty is required. Graded pass/fail.

CMHC 695. Independent Study. (1 to 4 Credits)
Guided research on an elected problem in counseling or the related fields of prevention or psychoeducation.

CMHC 696. Graduate Internship. (3 or 6 Credits)
Supervised clinical experience in an approved setting that provides students with the opportunity to develop entry level counseling skills necessary for professional mental health practice. Participation in a regularly scheduled professional development seminar with faculty is required. Prerequisite: CMHC 692. Graded pass/fail.

CMHC 698. Advanced Graduate Internship. (1 to 3 Credits)
Supervised clinical experience in an approved setting that provides students with the opportunity to develop advanced counseling skills. Participation in a regularly scheduled professional development seminar with faculty is required. Prerequisite: CMHC 696 or permission of CMHC program director. Graded pass/fail.

Marriage and Family Therapy Courses
MAFT 601. Enduring Systemic Questions. (1 Credit)
This course introduces Marriage & Family Therapy students to practices of integrative thinking by engaging challenging, theoretically significant enduring questions in a seminar-style course organized around systems thinking and Christianity. The components of each seminar will emphasize integrative intellectual practice and model the integration of faith and learning in preparing clinicians who serve various communities and the global church.

MAFT 618. Family Therapy Research & Implications for Evidence-Based Practice. (3 Credits)
An overview of research methodology, data analysis, and the evaluation of research in couple and family therapy and how research informs MFT common factors and evidence-based practice.

MAFT 624. MFT Ethics & Professional Practice. (3 Credits)
An overview of ethical issues related to the profession and practice of MFT including the AAMFT Code of Ethics, professional identity, professional organizations, and licensure.

MAFT 631. Individual & Family Life Cycle Development. (3 Credits)
The study of individual and family development across the lifespan, exploring continuity and change within the developing individual and family.
MAFT 633. Couple Therapy: Systemic Assessment and Intervention. (3 Credits)
An overview of theoretical models and skills necessary for effective treatment of couple relationship and sexual functioning.

MAFT 634. Marriage & Family Therapy I: Theoretical Foundations. (3 Credits)
An introduction to historical development, theoretical and empirical foundations of systems theory including a survey of the major models of marriage, couple, and family therapy and an overview of contemporary conceptual directions.

MAFT 635. Marriage & Family Therapy II: Systemic Assessment & Intervention. (3 Credits)
An application of relational/systems theory to a variety of presenting clinical problems including but not limited to physical health and illness, major mental health issues, traditional psychodiagnostic categories, and relational problems.

MAFT 636. Families in Context: Culture, class, ethnicity, gender, sexual identity & religion. (3 Credits)
An overview of the impact of diversity, power, and privilege as they related to culture, class, ethnicity, gender, sexual orientation, and religion in families and their influence on couple and family treatment.

MAFT 642. Psychopathology & the Family. (3 Credits)
The study of the etiology and maintenance of the major mental disorders and the role of the family and community in assessment and intervention. The DSM-IV-TR classification system and the biological bases of behavior are given special attention.

MAFT 643. Trauma and Addiction: Systemic Assessment and Intervention. (3 Credits)
This is an advanced marriage and family therapy course focused on the assessment and treatment of individuals, couples, and families who have experienced trauma and/or addiction. Special consideration will also be given to how grief, loss, and shame moderate families’ experiences of trauma and addiction.

MAFT 645. Systemic Interventions with Children and Adolescents. (3 Credits)
An examination of systemic models of conceptualizing child and adolescent problems and an introduction to systemic treatment modalities for working with children, adolescents and their families.

MAFT 655. Systemic Interventions with Special Populations. (3 Credits)
Abusive families, families with addictions, domestic violence, and under-resourced families. An advanced skills course providing theory and techniques for treatment of special populations in marriage and family therapy.

MAFT 656. Integration seminar: MFT and Christian faith/practice. (3 Credits)
An advanced seminar examining historical and contemporary issues in the integration of Christian faith, systemic epistemology, and the practice of Marriage and Family Therapy.

MAFT 661. Personal and Professional Development Group (PPDG) I. (0 Credits)
A small group class focusing on development of MFT identity, person of the therapist issues, group dynamics, and spiritual formation.

MAFT 662. Personal and Professional Development Group (PPDG) II. (0 Credits)
A small group class focusing on development of MFT identity, person of the therapist issues, group dynamics, and spiritual formation.

MAFT 663. Personal and Professional Development Group (PPDG) III. (0 Credits)
A small group class focusing on development of MFT identity, person of the therapist issues, group dynamics, and spiritual formation.

MAFT 664. Personal and Professional Development Group (PPDG) IV. (0 Credits)
A small group class focusing on development of MFT identity, person of the therapist issues, group dynamics, and spiritual formation.

MAFT 665. Personal and Professional Development Group I. (1 Credit)
A small group class focusing on development of Marriage & Family Therapy identity, person of the therapist issues, group dynamics, and spiritual formation.

MAFT 666. Personal and Professional Development Group II. (1 Credit)
A small group class focusing on development of Marriage & Family Therapy identity, person of the therapist issues, group dynamics, and spiritual formation.

MAFT 667. Personal and Professional Development Group III. (1 Credit)
A small group class focusing on development of Marriage & Family Therapy identity, person of the therapist issues, group dynamics, and spiritual formation.

MAFT 668. Personal and Professional Development Group IV. (1 Credit)
A small group class focusing on development of Marriage & Family Therapy identity, person of the therapist issues, group dynamics, and spiritual formation.

MAFT 681. Clinical Pre-Practicum I. (2 Credits)
First year clinical practicum focusing on observation of clinical work and development of beginning Marriage & Family Therapy skills. Graded pass/fail.

MAFT 682. Clinical Pre-Practicum II. (2 Credits)
First year clinical practicum focusing on observation of clinical work and development of beginning Marriage & Family Therapy skills. Graded pass/fail.

MAFT 683. Clinical Practicum I. (3 Credits)
Second year clinical practicum in which students secure outside placements and provide couple and family therapy under supervision by professionals on site. In addition, students received another hour supervision per week on campus by faculty AAMFT Approved Supervisors. Graded pass/fail (2 each semester)

MAFT 684. Clinical Practicum II. (3 Credits)
Second year clinical practicum in which students secure outside placements and provide couple and family therapy under supervision by professionals on site. In addition, students received another hour supervision per week on campus by faculty AAMFT Approved Supervisors. Graded pass/fail (2 each semester)

MAFT 685. Clinical Pre-Practicum I. (3 Credits)
Second year clinical practicum in which students secure outside placements and provide couple and family therapy under supervision by professionals on site. In addition, students received another hour supervision per week on campus by faculty AAMFT Approved Supervisors. Graded pass/fail (2 each semester)

MAFT 686. Clinical Practicum II. (3 Credits)
First year clinical practicum focusing on observation of clinical work and development of beginning MFT skills. Graded pass/fail.

MAFT 697. Clinical Practicum II. (1 Credit)
First year clinical practicum focusing on observation of clinical work and development of beginning MFT skills. Graded pass/fail.
MAFT 698. Clinical Practicum I. (2 Credits)
Second year clinical practicum in which students secure outside placements and provide couple and family therapy under supervision by professionals on site. In addition, students received another hour supervision per week on campus by faculty AAMFT Approved Supervisors. Graded pass/fail (2 each semester)

MAFT 699. Clinical Practicum II. (2 Credits)
Second year clinical practicum in which students secure outside placements and provide couple and family therapy under supervision by professionals on site. In addition, students received another hour supervision per week on campus by faculty AAMFT Approved Supervisors. Graded pass/fail (2 each semester)

Psychology Courses

Note: Graduate courses are designated 512-899. Students in the master's program may be allowed to take suitably enriched 400-level courses for graduate credit (limit of eight hours). 600-level courses are open only to M.A. students. 700- and 800-level courses are open only to Psy.D. students unless otherwise specified or with faculty and department chair approvals.

PSYC 512. Theories and Principles of Counseling. (3 Credits)
Designed for marriage and family therapy students, this course provides an examination of several of the major theories of counseling with an emphasis on techniques and principles common to each theory. This course does not count towards the M.A. in Clinical Psychology.

PSYC 551. Counseling Challenges in Ministry. (2 Credits)
A psychoeducative approach is used to enable Christian leaders to help individuals and families understand and deal with contemporary issues—e.g., step-families, single parenting, divorce, abortion. Other topics covered include: coping with depression, strong emotions, i.e., anger and anxiety, conflict. This course does not count toward the M.A. in Clinical Psychology.

PSYC 698. Master's Thesis. (4 Credits)
PSYC 699. Master's Thesis Continuation. (0 Credits)

PSYC 701. Foundations of Integration. (3 Credits)
A course in which an understanding of social, cultural, and spiritual context is developed to facilitate an integrated view of the person and of mental health practice. Emphases include historical, philosophical, theological perspectives, application of faith practice integration to the treatment of marginalized populations and service to the church worldwide.

PSYC 714. Professional Development and Ethics I. (3 Credits)
An introduction to the practice of professional psychology, and to the ethical, legal, and professional issues confronting psychologists. Emphasis will be on fostering students’ knowledge of the profession’s ethics code and guidelines and on developing professional goals and behaviors. Special attention will be paid to the integration of Christian faith in accordance with the program’s mission statement.

PSYC 716. Basic Clinical Interviewing Skills. (3 Credits)
A basic skill course in clinical interviewing strategies and challenges.

PSYC 717. Class, Gender, Race, Religion & Sexual Identity. (3 Credits)
An introduction to the diverse populations psychologists serve and the clinical competencies necessary for effective psychologists.

PSYC 721. History and Systems of Psychology. (3 Credits)
A study of the history of psychology, with particular emphasis upon understanding contemporary thought in the philosophy of science, and its implications for our understanding of the history and current status of the discipline.

PSYC 731. Spirituality I. (1 Credit)
An introduction to spiritual formation and spiritual practices for developing clinical psychologists in the Christian tradition. This course will focus on spiritual practices and disciplines important to developing the relationship between human beings and a triune God.

PSYC 732. Spirituality II. (1 Credit)
The second course in a sequence intended for spiritual formation and spiritual practices for developing clinical psychologists in the Christian tradition. This course will focus on spiritual practices and disciplines important to self-care.

PSYC 733. Spirituality III. (1 Credit)
The third course in a sequence intended for spiritual formation and spiritual practices for developing clinical psychologists in the Christian tradition. This course will focus on spiritual practices and disciplines relevant to healthy community.

PSYC 734. Spirituality IV. (1 Credit)
The fourth and final course in a sequence intended for spiritual formation and spiritual practices for developing clinical psychologists in the Christian tradition. This course emphasizes spiritual practices and disciplines focusing on Biblical justice.

PSYC 736. Cognitive-Behavioral Theory and Practice. (3 Credits)
A core theory and clinical skill course in the cognitive-behavioral tradition. Covers the range of topics from traditional behavior modification to social-cognitive and cognitive views to third-wave therapies.

PSYC 737. Psychoanalytic and Contemporary Psychodynamic Theory and Practice. (3 Credits)
A core theory and clinical skill course in the psychodynamic tradition. Covers the range of topics from classical psychoanalysis through contemporary object-relations, self psychological, and relational psychoanalytic views.

PSYC 738. Family Systems Theory and Therapy. (3 Credits)
A core theory and clinical skill course in the family systems tradition. An overview of the major approaches to family therapy with an emphasis on developmental and systemic models, and development of family assessment, conceptualization, and intervention skills. Prerequisites: PSYC 716, PSYC 736, PSYC 737.

PSYC 739. Community and Preventive Psychology. (3 Credits)
An examination of community and interpersonal factors causing and maintaining psychological dysfunction and well-being. Studies the preventive modes of mental health intervention.

PSYC 743. Psychological Assessment I: Cognitive Foundations. (3 Credits)
An examination of the history of testing, and basic measurement theory and psychometrics. Includes exposure to the theory of intellectual and educational assessment with children and adults, and development of skills in administration, scoring, and interpretation of intellectual tests.

PSYC 744. Psychological Assessment II: Personality Foundations. (3 Credits)
An examination of the theory and practice of personality assessment with children and adults. Covers objective and projective assessment methods, and development of skills in administration, scoring, and interpretation of these instruments.
PSYC 745. Psychological Assessment III: Integrative Report Writing. (1 Credit)
A clinical skill course focusing on the development of competency in integrative report writing, including the synthesis of testing data and information.

PSYC 746. Research and Statistics I. (3 Credits)
An introduction to statistical methodology, with an emphasis on cultivating students’ basic conceptual understanding of statistics and research methods, as well as foundational skills in conducting analyses and in participating in a research team.

PSYC 747. Research and Statistics II. (3 Credits)
An introduction to research design which includes quantitative statistical research designs, with an emphasis on establishing a strong conceptual framework for understanding the range of research designs and how to select or match a design to research question/problem. Program evaluation methodology is also included.

PSYC 748. Research and Statistics III: Data Interpretation & Qualitative Analysis. (3 Credits)
An introduction to basic approaches of qualitative analysis and a focus on interpretation and reporting of quantitative data.

PSYC 753. Psychopathology. (3 Credits)
Doctoral-level examination of the categorization, diagnosis, etiology, and maintenance of abnormal behavior.

PSYC 754. Biological Bases of Behavior. (3 Credits)
Covers the core knowledge in the biological bases of behavior for the practicing psychologist.

PSYC 755. Cognition & Emotion. (3 Credits)
Examines contemporary perspectives on thought, memory, emotion, and other higher mental processes.

PSYC 756. Psychopharmacology. (3 Credits)
A core course introducing the student to psychopharmacological treatments of various psychological disorders.

PSYC 761. Research Lab I. (1 Credit)
Research Lab I is the formal mechanism by which students’ involvement in original empirical research is formulated and guided. The Research Lab I is the first of a formal academic sequence involving statistical analysis, research design and research application in a clinical context. Participation in the Research Lab I will help students’ to build the necessary skills to generate and evaluate original research. The research lab supports dissertation process as part of the research and statistics sequence. Graded pass/fail.

PSYC 762. Research Lab II. (1 Credit)
Research Lab II is the formal mechanism by which students’ involvement in original empirical research is formulated and guided. The Research Lab II is the second of a formal academic sequence involving statistical analysis, research design and research application. Participation in the Research Lab II will help students’ to build the necessary skills to generate and evaluate original research. The research lab supports dissertation process as part of the research and statistics sequence. Graded pass/fail.

PSYC 763. Research Lab III. (1 Credit)
Research Lab III is the formal mechanism by which students’ involvement in original empirical research is formulated and guided. The Research Lab III is the third of a formal academic sequence involving statistical analysis, research design and research application. Participation in the Research Lab III will help students’ to build the necessary skills to generate and evaluate original research. The research lab supports dissertation process as part of the research and statistics sequence. Graded pass/fail.

PSYC 764. Research Lab IV. (1 Credit)
Research Lab IV is the formal mechanism by which students’ involvement in original empirical research is formulated and guided. The Research Lab IV is the fourth of a formal academic sequence involving statistical analysis, research design and research application. Participation in the Research Lab IV will help students’ to build the necessary skills to generate and evaluate original research. The research lab supports dissertation process as part of the research and statistics sequence. Prerequisite: PSYC 761, 762 and 763. Graded pass/fail.

PSYC 766. Research Lab V. (1 Credit)
Research Lab V is the formal mechanism by which students’ involvement in original empirical research is formulated and guided. The Research Lab V is the fifth of a formal academic sequence involving statistical analysis, research design and research application. Participation in the Research Lab V will help students’ to build the necessary skills to generate and evaluate original research. The research lab supports dissertation process as part of the research and statistics sequence. Graded pass/fail.

PSYC 767. Research Lab VI. (1 Credit)
Research Lab VI is the formal mechanism by which students’ involvement in original empirical research is formulated and guided. The Research Lab VI is the sixth of a formal academic sequence involving statistical analysis, research design and research application. Participation in the Research Lab VI will help students’ to build the necessary skills to generate and evaluate original research. The research lab supports dissertation process as part of the research and statistics sequence. Graded pass/fail.

PSYC 776. Research Lab VII. (1 Credit)
Research Lab VII is the formal mechanism by which students’ involvement in original empirical research is formulated and guided. The Research Lab VII is the seventh of a formal academic sequence involving statistical analysis, research design and research application. Participation in the Research Lab VII will help students’ to build the necessary skills to generate and evaluate original research. The research lab supports dissertation process as part of the research and statistics sequence. Graded pass/fail.

PSYC 777. Research Lab VIII. (1 Credit)
Research Lab VIII is the formal mechanism by which students’ involvement in original empirical research is formulated and guided. The Research Lab VIII is the eighth of a formal academic sequence involving statistical analysis, research design and research application. Participation in the Research Lab VIII will help students’ to build the necessary skills to generate and evaluate original research. The research lab supports dissertation process as part of the research and statistics sequence. Graded pass/fail.

PSYC 795. Practicum Seminar. (1 Credit)
A seminar group designed to facilitate the personal, professional, and spiritual formation of doctoral students who are concurrently in practica placements. Required attendance at both individual and group meetings. Co-requisite: PSYC 796. Graded pass/fail.

PSYC 796. Practica I, II, III, IV. (2 Credits)
A doctoral-level practicum covering assessment, treatment planning, case management, and psychotherapeutic intervention. Graded pass/fail. (each 2)

PSYC 797. Practica-Seminar I, II, III, IV. (0 Credits)
A seminar group designed to facilitate the personal, professional, and spiritual formation of doctoral students who are concurrently in practica placements. Required attendance at both individual and group meetings. Required with PSYC 796. Graded pass/fail. (each 2 credits)

PSYC 798. Practicum V/VI. (0 Credits)
An advanced doctoral-level practicum covering assessment, treatment planning, case management, and psychotherapeutic intervention. Prerequisite: eight credit hours of PSYC 796. Graded pass/fail.

PSYC 833. Couple Therapy. (3 Credits)
A core theory and clinical skill course in the field of couple therapy. Covers a range of views including the behavioral, family systems, and psychodynamic. Prerequisite: PSYC 738.
PSYC 837. Developmental Psychopathology. (3 Credits)
A foundational course providing an overview of developmental clinical child psychology. Emphasis will be given to an understanding of theology and developmental theories and research in relation to child psychopathology and clinical practice.

PSYC 838. Advanced Couple and Family Therapy. (3 Credits)
An advanced seminar focusing on integrative models of couple and family therapy with a special emphasis on issues of ethnicity and gender. Students will develop the skills important in working with multiply troubled couples and families. Students will also be introduced to models of couple and family supervision. Open to both M.A. and Psy.D. Clinical Psychology students. Prerequisites: Psy.D. PSYC 738, M.A. CMHC 636.

PSYC 843. Neuropsychological Assessment. (3 Credits)
Introduction to theory and practice of assessing brain function and its behavioral correlates.

PSYC 844. Child Psychological Assessment. (3 Credits)
A clinical skill course focusing on the administration, scoring, and interpretation of child psychological assessment strategies. Specific developmental considerations in assessment of this population will be examined.

PSYC 845. Child & Adolescent Interventions. (3 Credits)
A clinical skills course introducing students to evidence-based intervention strategies targeting commonly seen diagnoses in children and adolescents. Developmental, cultural, and familial considerations in treatment are emphasized. Prerequisites: PSYC 716, 736, 737.

PSYC 846. Geropsychology. (3 Credits)
Assessment and treatment of older adults and associated issues, including neuropsychological assessment and different diagnosis. Open to both M.A. and Psy.D. Clinical Psychology students.

PSYC 849. Sexuality & Sex Therapy. (3 Credits)
An advanced elective introducing the student to the assessment and treatment of sexual dysfunction using a biopsychosocial model. Open to both M.A. and Psy.D. Clinical Psychology students.

PSYC 851. Substance Abuse. (3 Credits)
A survey of basic issues surrounding the conceptualization, etiology, progression assessment, and treatment of chemical abuse, dependence, and addiction, including the study of the family of the chemically dependent individual.

PSYC 853. Behavioral Medicine and Health Psychology. (3 Credits)
Contemporary theory and practice course exploring the relationship of psychological and behavioral change in relation to medical and other health-related matters. Prerequisite: PSYC 754.

PSYC 854. Collaborative Psychological Practice in Primary Care. (3 Credits)
An advanced clinical course introducing students to the role of the mental health professional in the primary health context. Diagnostic, intervention and interdisciplinary consultation skills necessary for effective practice in fast-paced, high-volume interdisciplinary healthcare settings are taught with an emphasis on Motivational Interviewing and brief interventions for change. Contextual focus is placed on the value of collaborative approaches with underserved communities and populations.

PSYC 861. Spiritual Direction and Care of the Soul. (3 Credits)
An introduction to the contemporary and classical literature and traditions of Christian spirituality and spiritual direction and their relevance to the helping professions. Psychology's neglect of the spiritual life and of the church's tradition of soul care is addressed.

PSYC 862. Advanced Integration of Psychology & Christian Theology. (3 Credits)
This course will focus on the integration of the Christian faith and clinical psychology. Students will be provided in-depth exposure to the literature regarding Christianity-psychology integration. Specific topics in emerging trends in the field will be selected and analyzed by the class in light of their theological coursework in the doctoral program. Prerequisite: PSYC 701.

PSYC 881. Advanced Practicum I. (2 Credits)
This advanced clinical experience emphasizes the development of assessment, diagnosis and intervention through supervised practice at a variety of field settings. Concurrent enrollment in PSYC 882 - Advanced Practicum Seminar I. Meetings include didactic learning, case presentations and team meetings. Prerequisites: eight credit hours of PSYC 796 and 4 credits of PSYC 795. Co-requisite: PSYC 882. Graded pass/fail.

PSYC 882. Advanced Practicum I Seminar. (1 Credit)
This seminar supporting advanced clinical experiences emphasizes the development of assessment, diagnosis and intervention through supervised practice at a variety of field settings. Concurrent enrollment in PSYC 881. Meetings include didactic learning, case presentations and team meetings. Prerequisites: eight credit hours of PSYC 796 and 4 credits of PSYC 795. Co-requisite: PSYC 881. Graded pass/fail.

PSYC 883. Advanced Practicum II. (1 Credit)
This advanced clinical experience emphasizes the development of assessment, diagnosis and intervention through supervised practice at a variety of field settings. Concurrent enrollment in PSYC 884 - Advanced Practicum Seminar II. Prerequisite: PSYC 881. Co-requisite: PSYC 884. Graded pass/fail.

PSYC 884. Advanced Practicum II Seminar. (1 Credit)
This advanced clinical experience emphasizes the development of assessment, diagnosis and intervention through supervised practice at a variety of field settings. Concurrent enrollment in PSYC 883 - Advanced Practicum II. Meetings include didactic learning, case presentations and team meetings. Prerequisites: PSYC 881 and 882. Co-requisite: PSYC 883. Graded pass/fail.

PSYC 885. Advanced Clerkship. (0 Credits)
Supervised advanced clinical experience in an approved setting. Prerequisites: eight credit hours of PSYC 796 and 2 semesters of PSYC 894. Attendance at Grand Rounds is required. Graded pass/fail.

PSYC 891. Advanced Clerkship II. (0 Credits)
Supervised advanced clinical experience in an approved setting. Prerequisites: eight credit hours of PSYC 796 and 2 semesters of PSYC 894 and 2 semesters of PSYC 891. Attendance at Grand Rounds required. Graded pass/fail.

PSYC 892. Seminar: Advanced Topics in Clinical Psychology. (1 Credit)
Advanced topics in clinical psychology presented and discussed in a two-full-day seminar. Readings required prior to attendance. Graded pass/fail. Open to both M.A. and Psy.D. Clinical Psychology students. Program limit: M.A. 4 hours; Psy.D. 12 hours including PSYC 895 hours.

PSYC 894. Clerkship. (0 Credits)
Supervised clinical experience in an approved setting. Prerequisites: eight credit hours of PSYC 796. Attendance at Grand Rounds is required. Graded pass/fail.

PSYC 895. Independent Study. (1 to 4 Credits)
(1-4)
**PSYC 896. Clinical Internship. (0 Credits)**
Degree requires registration in this course for two semesters and one summer. Graded pass/fail.

**PSYC 898. Clinical Dissertation. (1 to 4 Credits)**
Degree requires a total of 10 or 13 credits (depending on catalog year) for the clinical dissertation. (1, 2, 3, 4)

**PSYC 899. Clinical Dissertation Continuation. (0 Credits)** (Full-time).

**PSYC 991. Comprehensive Exam. (0 Credits)**
A programmatic milestone testing mastery of fundamental academic concepts necessary for professional psychologists. Students are permitted up to 3 exam attempts in a 12 month period before being assigned a final grade for the course. PSYC 991 may not be repeated. Pass/fail. Prerequisites: PSYC 714, 716, 717, 721, 736, 737, 738, 743, 744, 745, 746, 747, 753, 754, 755, 773, and 774.

**PSYC 992. Professional Qualifying Exam (PQE). (0 Credits)**
Professional clinical qualifying exam - the 2nd qualifying exam. Pass/fail. Prerequisites: PSYC 991 unless petitioned to Psy.D. Program Clinical Training Committee.

**PSYC 993. Clinical Dissertation Proposal. (0 Credits)**

**PSYC 999. Clinical Dissertation Continuation. (0 Credits)** (Part-time).

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**Clinical Mental Health Counseling, MA**

[www.wheaton.edu/Graduate-School/Degrees/Psychology/Programs/CMHC](http://www.wheaton.edu/Graduate-School/Degrees/Psychology/Programs/CMHC)

**Director, Eric Brown**

The Master of Arts degree program in Clinical Mental Health Counseling (CMHC) offers training in professional counseling. Our students are prepared for employment as professional counselors in a wide variety of settings such as hospitals, mental health agencies, human service agencies, churches, international ministries, and private counseling practice. This degree fulfills the educational requirements in most states for licensure as a Clinical Professional Counselor and certification as a National Certified Counselor (NCC). Many of our graduates become licensed as Clinical Professional Counselors (LPC/LCPC) or Mental Health Counselors (LMHC) depending on the licenses available in the state where they practice. Some enter other related mental health ministries and careers. Other graduates of our program have gone on for doctoral work in counselor education or clinical psychology programs. The coursework in this program was designed to meet or exceed the educational standards for professional counselors set forth by the state of Illinois and the National Board for Certified Counselors (NBCC). The Master of Arts in Clinical Mental Health Counseling Program is accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP).

**Admissions**

Deadlines and requirements will vary depending on degree and program. See Graduate Admissions (p. 271) in the catalog for additional information or go to Wheaton College Graduate School Admissions (https://www.wheaton.edu/graduate-school/admissions):

Wheaton College Graduate School
Graduate Admissions
Toll free: 800.888.0141 or 630.752.5195

https://www.wheaton.edu/graduate-school/admissions

**Requirements**

**Requirements for the Master of Arts in Clinical Mental Health Counseling** include:

- completion of a bachelor’s degree,
- completion of a GRE general test, and
- participation in an interview process.

A background in counseling, psychology, social work, or a related field is encouraged, but no pre-requisite coursework is required.

**Requirements for the Master of Arts in Clinical Mental Health Counseling** are 51 semester hours of course work plus a three hour graduate practicum and a six hour graduate internship for a total of 60 hours. Required courses include:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CMHC 611</td>
<td>Foundations of Integration I</td>
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<tr>
<td>CMHC 612</td>
<td>Foundations of Integration II</td>
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<tr>
<td>CMHC 613</td>
<td>Foundations of Integration III</td>
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<tr>
<td>CMHC 614</td>
<td>Group Counseling</td>
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<td>CMHC 614L</td>
<td>Group Counseling Lab</td>
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<tr>
<td>CMHC 618</td>
<td>Research Design and Program Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>CMHC 621</td>
<td>Counseling Skills &amp; Techniques</td>
<td>2</td>
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<tr>
<td>CMHC 621L</td>
<td>Basic Counseling Skills Lab</td>
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<tr>
<td>CMHC 622</td>
<td>Clinical Counseling Theories and Practice I</td>
<td>3</td>
</tr>
<tr>
<td>CMHC 623</td>
<td>Clinical Counseling Theories and Practice II</td>
<td>3</td>
</tr>
<tr>
<td>CMHC 624</td>
<td>Issues and Ethics in Professional Practice</td>
<td>3</td>
</tr>
<tr>
<td>CMHC 631</td>
<td>Lifespan Development</td>
<td>3</td>
</tr>
<tr>
<td>CMHC 632</td>
<td>Crises &amp; Community Counseling</td>
<td>3</td>
</tr>
<tr>
<td>CMHC 636</td>
<td>Family Systems Theory and Counseling</td>
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</tr>
<tr>
<td>CMHC 641</td>
<td>Assessment in Counseling</td>
<td>3</td>
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<tr>
<td>CMHC 642</td>
<td>Psychopathology. Biological and Sociocultural Foundations</td>
<td>3</td>
</tr>
<tr>
<td>CMHC 649</td>
<td>Multicultural Issues and Social Advocacy in Counseling</td>
<td>3</td>
</tr>
<tr>
<td>CMHC 651</td>
<td>Substance Abuse and Addictions</td>
<td>3</td>
</tr>
<tr>
<td>CMHC 653</td>
<td>Lifestyle &amp; Career Development</td>
<td>3</td>
</tr>
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<td>CMHC 691</td>
<td>Comprehensive Exit Exam</td>
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<td>CMHC 692</td>
<td>Graduate Counseling Practicum</td>
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<tr>
<td>CMHC 696</td>
<td>Graduate Internship</td>
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<tr>
<td>BITH 561</td>
<td>Theological Anthropology</td>
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</tr>
</tbody>
</table>

Select one 4-credit biblical and theological studies course from the approved Category I listing in the Graduate School section of this catalog.

**Total Credits** 60
CMHC students must successfully pass a written comprehensive examination (CMHC 691 Comprehensive Exit Exam) covering eight common core areas of counseling:

- human growth and development;
- social and cultural foundations;
- helping relationships;
- group work;
- career and lifestyle development;
- appraisal;
- research and program evaluation; and
- professional orientation and ethics.

Marriage and Family Therapy, MA

https://www.wheaton.edu/Graduate-School/Degrees/Psychology/Programs/MFT

Director, David Van Dyke

The Master of Arts degree program in Marriage and Family Therapy offers training in the professional practice of couple and family therapy from a distinctly Christian perspective. Our students are prepared for employment and licensure as master's-level marriage and family therapists. Regulations and requirements on the practice of master's-level therapists vary from state to state, and applicants should become familiar with the requirements in the state in which they wish to practice. Students who wish to practice in the state of Illinois at the master's level must obtain a license as a Marriage and Family Therapist. The Master of Arts degree program in Marriage and Family Therapy is accredited by the Commission on Accreditation for Marriage and Family Therapy Education (COAMFTE).

Admissions

Deadlines and requirements will vary depending on degree and program. See Graduate Admissions (p. 271) in the catalog for additional information or go to Wheaton College Graduate School Admissions (https://www.wheaton.edu/graduate-school/admissions):

Wheaton College Graduate School
Graduate Admissions
Toll free: 800.888.0141 or 630.752.5195

https://www.wheaton.edu/graduate-school/admissions

Requirements for admission to the Master's Program in Marriage and Family Therapy include completion of a bachelor's degree, completion of the GRE General Test, and participation in an interview process. No prerequisites are required.

Requirements

Requirements for the Master of Arts in Marriage and Family Therapy are 60 semester hours of course work which include nine-hours of clinical practicum over 12 months. Required courses include:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MAFT 601</td>
<td>Enduring Systemic Questions</td>
<td>1</td>
</tr>
<tr>
<td>MAFT 618</td>
<td>Family Therapy Research &amp; Implications for Evidence-Based Practice</td>
<td>3</td>
</tr>
<tr>
<td>MAFT 624</td>
<td>MFT Ethics &amp; Professional Practice</td>
<td>3</td>
</tr>
<tr>
<td>MAFT 631</td>
<td>Individual &amp; Family Life Cycle Development</td>
<td>3</td>
</tr>
<tr>
<td>MAFT 633</td>
<td>Couple Therapy: Systemic Assessment and Intervention</td>
<td>3</td>
</tr>
<tr>
<td>MAFT 634</td>
<td>Marriage &amp; Family Therapy I: Theoretical Foundations</td>
<td>3</td>
</tr>
<tr>
<td>MAFT 635</td>
<td>Marriage &amp; Family Therapy II: Systemic Assessment &amp; Intervention</td>
<td>3</td>
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<tr>
<td>MAFT 637</td>
<td>Families in Context: Culture, class, ethnicity, gender, sexual identity &amp; religion</td>
<td>3</td>
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<td>MAFT 642</td>
<td>Psychopathology &amp; the Family</td>
<td>3</td>
</tr>
<tr>
<td>MAFT 643</td>
<td>Trauma and Addiction: Systemic Assessment and Intervention</td>
<td>3</td>
</tr>
<tr>
<td>MAFT 645</td>
<td>Systemic Interventions with Children and Adolescents</td>
<td>3</td>
</tr>
<tr>
<td>MAFT 655</td>
<td>Systemic Interventions with Special Populations</td>
<td>3</td>
</tr>
<tr>
<td>MAFT 656</td>
<td>Integration seminar: MFT and Christian faith/practice</td>
<td>3</td>
</tr>
<tr>
<td>MAFT 671</td>
<td>Personal and Professional Development Group I</td>
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<tr>
<td>MAFT 672</td>
<td>Personal and Professional Development Group II</td>
<td>1</td>
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<tr>
<td>MAFT 673</td>
<td>Personal and Professional Development Group III</td>
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<tr>
<td>MAFT 674</td>
<td>Personal and Professional Development Group IV</td>
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<td>MAFT 681</td>
<td>Clinical Pre-Practicum I</td>
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<tr>
<td>MAFT 682</td>
<td>Clinical Pre-Practicum II</td>
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<tr>
<td>MAFT 684</td>
<td>Clinical Practicum I</td>
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<tr>
<td>MAFT 685</td>
<td>Clinical Practicum II</td>
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<tr>
<td>PSYC 512</td>
<td>Theories and Principles of Counseling</td>
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<tr>
<td>BITH 561</td>
<td>Theological Anthropology</td>
<td>2</td>
</tr>
</tbody>
</table>

Select a 4-credit biblical and theological studies course from the approved Category I listing in the Graduate School section of this catalog

Optional Electives

Students may select from the following in consultation with an advisor and the PSYC or CMHC Program Director:

<table>
<thead>
<tr>
<th>CMHC courses</th>
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<tbody>
<tr>
<td>400-level PSYC courses (maximum of 8 credits)</td>
</tr>
<tr>
<td>600-level psychology courses</td>
</tr>
<tr>
<td>Specified 800-level psychology courses</td>
</tr>
</tbody>
</table>

Total Credits 60

Clinical Psychology, Psy.D.

The Psy.D. is designed to prepare students for careers in applied areas of clinical psychology. While requiring a strong program of core courses in the basic areas of psychology, the primary focus of developing professional skills necessary for clinical practice is taught through the applied course work. These courses include a sequence of assessment courses, core paradigm or theory courses, therapeutic interviewing skills, and ethics and professional issues. Practicum/Clerkship training at professional sites begins in the second and continues through the fourth year. The Psy.D. program is accredited by the Committee on Accreditation of the American Psychological Association.

https://www.wheaton.edu/Graduate-School/Degrees/Psychology/Programs/PsyD
The Master of Arts degree in Clinical Psychology will be granted to students in the Psy.D. program upon completion of 48 credits, including a minimum of 43 hours of 700-level courses in psychology.

A maximum of 12 credits applied to the M.A. degree may be transfer credit. To be awarded the degree, students must also have completed a minimum of six hours in biblical and theological studies, including BITH 561 and BITH 565. Students should file for candidacy for the master's degree after 28 credit hours are completed. To receive approval of candidacy, students will need to document that all prerequisites for admission have been satisfactorily completed. Further, adequacy of progress in academic and professional skill areas and suitability for professional practice in psychology will be reviewed. Students who have a master's degree in clinical psychology from Wheaton upon matriculation into the Psy.D. program may not obtain a second M.A. in this field.

As previously noted, the Psy.D. program requires a substantial number of theological studies courses. Students desiring to complete a Master of Arts degree in Theology (p. 288) may do so by submitting a Second-degree Application to the Graduate Admissions office before completing additional courses in theology. In addition to the 48 hours of course work, students need to pass a written comprehensive exam or write a thesis. Hours counted for the M.A. cannot be applied to another master's degree from Wheaton (hours cannot count for both Clinical Psychology M.A. and this M.A. program). A maximum of 25% of the credits applied to the M.A. degree in Theological Studies may be transfer credit. Up to eight hours of doctoral-level psychology courses may count as electives towards the M.A. degree in Theology.

Faculty

Director, Benjamin Pykkonen
Director Clinical Training, Vitaliy Voytenko

Admissions

Deadlines and requirements will vary depending on degree and program. See Graduate Admissions (p. 271) in the catalog for additional information or go to Wheaton College Graduate School Admissions (https://www.wheaton.edu/graduate-school/admissions):

Wheaton College Graduate School
Graduate Admissions
Toll free: 800.888.0141 or 630.752.5195

https://www.wheaton.edu/graduate-school/admissions

Requirements for admission to the Psy.D. program include completion of the bachelor’s degree from a regionally accredited college or university with a minimum 3.0 GPA on a 4.0 scale. In addition, at least 18 semester hours in psychology are required, including at least one course in each of the following groups of courses:

- General psychology
- Abnormal psychology or psychopathology
- Quantitative methods, statistics, research methods, or experimental design
- Personality psychology or theories of psychotherapy
- Physiological psychology
- One course from the traditional scientific subdisciplines (i.e., learning, cognition, social or developmental psychology, or sensation/perception).

Applicants must take the GRE general test. Personal interviews are required for all finalists in the application process.

Requirements

Requirements for the Doctor of Psychology in Clinical Psychology are 120 semester hours of course work. Degree requirements must be completed within seven years of the first date of enrollment. Required courses include:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PSYC 721</td>
<td>History and Systems of Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 753</td>
<td>Psychopathology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 754</td>
<td>Biological Bases of Behavior</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 755</td>
<td>Cognition &amp; Emotion</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 773</td>
<td>Lifespan Development</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 774</td>
<td>Advanced Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 746</td>
<td>Research and Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 747</td>
<td>Research and Statistics II</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 743</td>
<td>Psychological Assessment I: Cognitive Foundations</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 744</td>
<td>Psychological Assessment II: Personality Foundations</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 745</td>
<td>Psychological Assessment III: Integrative Report Writing</td>
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<tr>
<td>PSYC 736</td>
<td>Cognitive-Behavioral Theory and Practice</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 737</td>
<td>Psychoanalytic and Contemporary Psychodynamic Theory and Practice</td>
<td>3</td>
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<tr>
<td>PSYC 738</td>
<td>Family Systems Theory and Therapy</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 714</td>
<td>Professional Development and Ethics I</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 782</td>
<td>Clinical Supervision and Consultation</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 717</td>
<td>Class, Gender, Race, Religion &amp; Sexual Identity</td>
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<tr>
<td>PSYC 739</td>
<td>Community and Preventive Psychology</td>
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<tr>
<td>PSYC 711</td>
<td>Foundations of Integration</td>
<td>3</td>
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<tr>
<td>PSYC 731</td>
<td>Spirituality I</td>
<td>1</td>
</tr>
<tr>
<td>PSYC 732</td>
<td>Spirituality II</td>
<td>1</td>
</tr>
<tr>
<td>PSYC 733</td>
<td>Spirituality III</td>
<td>1</td>
</tr>
<tr>
<td>PSYC 734</td>
<td>Spirituality IV</td>
<td>1</td>
</tr>
<tr>
<td>BITH 561</td>
<td>Theological Anthropology</td>
<td>2</td>
</tr>
<tr>
<td>BITH 565</td>
<td>Christian Theology</td>
<td>4</td>
</tr>
<tr>
<td>BITH 622</td>
<td>Theological and Religious Issues in Psychotherapy</td>
<td>2</td>
</tr>
<tr>
<td>BITH 566</td>
<td>Foundations for Biblical Interpretation</td>
<td>4</td>
</tr>
<tr>
<td>or BITH 576</td>
<td>History of Christianity to 1900</td>
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Clinical Psychology Electives

Select 12 credits

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<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>PSYC 716</td>
<td>Basic Clinical Interviewing Skills</td>
</tr>
<tr>
<td>PSYC 795</td>
<td>Practicum Seminar</td>
</tr>
</tbody>
</table>
A maximum of 12 credits applied to the M.A. degree may be transfer credit. To be awarded the degree, students must also have completed a minimum of six hours in biblical and theological studies, including BITH 561 and BITH 565. Students should file for candidacy for the master’s degree after 28 credit hours are completed. To receive approval of candidacy, students will need to document that all prerequisites for admission have been satisfactorily completed. Further, adequacy of progress in academic and professional skill areas and suitability for professional practice in psychology will be reviewed. Students who have a master’s degree in clinical psychology from Wheaton upon matriculation into the Psy.D. program may not obtain a second M.A. in this field.
The Applied Linguistics and International Education Department houses graduate and undergraduate programs focusing on the teaching and learning of languages, with a particular focus on the profession of Teaching English to Speakers of Other Languages (TESOL). TESOL is a multifaceted discipline demanding the highest form of professional competence and expertise in a number of specialized areas. As a department our goal is to develop Christian professionals who are skilled in theory and practice for culturally relevant service in a constantly changing world.

The Applied Linguistics and International Education Department consists of the following programs which deal primarily with cross-cultural adult and higher education – a somewhat different focus than the Education Department’s K-12 identity.

- **The MA in TESOL and Intercultural Studies** – Our primary graduate program, which is currently offered in residential, field-based, and “TESOL Flex” (Summer/Online) formats with students who take courses on Wheaton's campus, online, and in Thailand every January.
- **Institute for Cross-Cultural Training (ICCT) programs** in second language acquisition, language coaching, cultural adaptation, and TESOL which serve the global Church through online training programs and various workshops and courses on campus.
- **The TEFL Certificates (ELIC and TeachBeyond)** offered in the summer for new teachers heading to the field, with 50+ students. We are approved by the Colorado State Board of Education to offer the TEFL Certificate for ELIC on the campus of Colorado State University every July. We also offer online classes in applied linguistics for 2nd-year ELIC teachers in the fall and spring.
- **Undergraduate and Graduate ESL and Bilingual Endorsements**. 18-credit-hour endorsement programs for undergraduate and graduate students earning teaching licensure. Our endorsements are approved by the Illinois State Board of Education and meet the standards for ESL and bilingual endorsements in most states. Graduate students can earn these endorsements by enrolling in either the M.A. in TESOL and Intercultural Studies or in the 24-credit-hour graduate Certificate in TESOL.

For graduate students, the Billy Graham Center offers special scholarships to international students, furloughing international workers, and candidates who are committed to overseas service under an established agency, and those who are committed to service in urban settings. Close proximity to culturally-diverse churches and public and private English as a Second Language (ESL) programs in the metropolitan Chicago area enables students to relate classroom experiences to real-world contexts.

**Faculty**

Chair, Applied Linguistics and International Education, Professor Alan Seaman  
Associate Professor Cheri Pierson  
Assistant Professor Pam Barger

**Programs**

- Teaching English to Speakers of Other Languages (TESOL) and Intercultural Studies, MA (p. 323)
- Teaching English as a Foreign Language (TEFL) Certificate (p. 323)
- Teaching English to Speakers of Other Languages (TESOL) Certificate (p. 323)

**Courses**

**Linguistics Courses**

LING 503. Academic Comp & Communication. (0 Credits)  
Group and individual instruction in expository writing and oral communication skills for students from non-English backgrounds. Students receive intensive preparation in English for academic purposes such as research papers and class presentations. Graded pass/fail.

LING 531. Theological Perspectives on Language and International Education. (2 Credits)  
A theological examination and understanding of language and education in the international context. This course prepares teachers to think theologically about content, curriculum, and various contexts of learning in the global classroom.

LING 552. Cross-Cultural Perspectives on Gender and Leadership. (2 Credits)  
An exploration of the role of women in missions, including their impact on mission strategies, their unique contributions, and a discussion of the critical issues they have faced since the time of the modern missionary movement.

LING 561. Intercultural Communication. (4 Credits)  
Foundational principles of intercultural communication from the fields of social psychology, cultural anthropology, and communication theory integrated with selected areas of personal encounter in cross-cultural settings with a particular emphasis on cross-cultural teaching.

LING 562. Foundations of Intercultural Communication. (2 Credits)  
Foundational principles of intercultural communication from the fields of social psychology, cultural anthropology, and communication theory.

LING 563. Cross Cultural Teaching and Learning. (2 Credits)  
Contributions of nonformal educators, cognitive psychologists, and educational anthropologists to cross-cultural teaching and learning; attuning instruction to thinking styles, pedagogical expectations, and cultural values.

LING 573. Qualitative Research for Second Language Educators. (2 Credits)  
A survey of qualitative research techniques for use in cross-cultural contexts, with a special focus on second language education.

LING 588. Asian Culture and Communication. (2 Credits)  
An introduction to Asian cultures with a particular emphasis on the themes/issues of the 21st century. Includes an introduction to relevant languages and language-learning strategies. Principles for effective cross-cultural communication and adjustment are also considered.

LING 601. Introduction to TEFL Methodology. (2 Credits)  
An introduction to the key concepts and skills involved in teaching English as a foreign language (EFL). The course provides a model-based introduction to methods for teaching English as a foreign language with a specific focus on oral communication.

LING 602. Second Language Acquisition in Intercultural Contexts. (2 Credits)  
Principles and skills for the successful learning of foreign languages, including practical instruction in phonetics and language-learning strategies.
LING 606. Descriptive English Grammar: Foundations. (2 Credits)
A survey of the foundational systems of English grammar, including practical issues and procedures involved in teaching grammar to ESL/EFL learners.

LING 607. Descriptive English Grammar: Syntax and Discourse. (2 Credits)
A survey of specialized features of English grammar, including areas of difficulty for English language learners and complex multiclausal structures.

LING 608. Second Language Acquisition. (4 Credits)
Principles and skills for the successful learning of foreign languages, including practical instruction in phonetics and language-learning strategies.

LING 609. Linguistic Science. (2 Credits)
See LING 321.

LING 611. Theoretical Foundations of TESOL Methodology. (4 Credits)
Survey of theory and research relevant to the teaching and learning of English as a second/foreign language. Emphasis on practical applications from linguistics, psycholinguistics, and sociolinguistics.

LING 612. Descriptive English Grammar for TESOL. (4 Credits)
A survey of English grammar and discourse analysis, including practical issues and procedures involved in teaching grammar and discourse to ESL/EFL learners.

LING 613. TESOL Classroom Dynamics Practicum. (2 Credits)
A survey of current research and methodology related to classroom instruction. Includes an analysis of the student’s teaching skills in a supervised field placement. Appropriate for both inexperienced and experienced teachers, as well as TESOL administrators.

LING 614. Curriculum and Materials Development for TESOL. (2 Credits)
Principles and practices in the development of curricula for ESL/EFL courses, textbook evaluation, and the management of English language teaching programs. Cross-listed with LING 329.

LING 615. Teaching Reading and Composition to ESL/EFL Learners. (2 Credits)
Theoretical and practical issues involved in teaching reading and composition, including procedures for planning and implementing classroom instruction.

LING 616. English Phonology for ESL/EFL Teachers. (2 Credits)
Theoretical and practical issues involved in teaching reading and composition, including procedures for planning and implementing classroom instruction.

LING 617. Principles of ESL/EFL Assessment. (2 Credits)
See LING 325.

LING 618. English Language Learning Content Methods and Materials. (2 Credits)
See LING 326.

LING 619. Teaching Speaking and Listening to ESL/EFL Learners. (2 Credits)
Specialized training in ESL teaching methods related to oral communication. Includes techniques for the analysis of oral discourse and current methodology related to language-learning strategies and the use of media.

LING 631. Principles of TESOL Teacher Mentoring. (2 Credits)
This course promotes a deeper understanding of how to engage teachers in conversations and activities that encourage professional growth. Teacher mentors will learn how to observe and give feedback to novice teachers and how to make use of a variety of professional development strategies. Taught in Asia.

LING 632. Seminar in TESOL Teacher Mentoring. (2 Credits)
This course helps teacher mentors identify and solve problems within their teaching context. Mentors will develop an understanding of the broad context of education and language education in the country and region where they work and will apply this knowledge as they guide teachers. The mentors will also become skilled at helping teachers conduct research as a means of understanding and solving problems in their classrooms. Taught in Asia.

LING 633. Practicum in TESOL Teacher Mentoring. (2 Credits)
Practical experience in teacher mentoring, including observing and giving feedback to teachers, advising them in lesson planning and classroom dynamics, and counseling them about their future teaching situation. Taught in Asia.

LING 634. Adult ESL Literacy. (2 Credits)
Problems and issues in adult literacy, with a specific focus on methodology for teaching immigrants, refugees, and other English language learners, both in the US and abroad.

LING 635. Principles of Materials Development for TESOL. (2 Credits)
Students will gain an understanding of the fundamental terminology, concepts and processes involved in the development of textbooks and other published materials, including web-based and audiovisual materials for English language teaching.

LING 636. Practicum in Materials Development. (2 Credits)
Students will develop materials for an existing project through a step-by-step process which is modeled during a series of class sessions. This will lead to a more extensive individual materials development project for an organization or publisher, under the guidance of the professor or a mentor.

LING 637. Problems and Issues in TESOL Materials Development. (2 Credits)
Students will present materials they have developed for a publisher or organization and will critique the materials developed by others. Discussion of current problems and issues in materials development, both theoretical and practical, will be stimulated by these presentations and the course readings.

LING 642. Bilingual Methods and Materials. (2 Credits)
See LING 323.

LING 643. English Language Learning Methods for Specialists. (2 Credits)
See LING 328.

LING 644. English for Specific Purposes. (2 Credits)
This course examines the field of English for specific purposes, and related subfields of the discipline such as English for academic purposes (EAP), English for business purposes (EBP), English for occupational purposes (EOP), and English for Bible and theology (EBT).

LING 692. Comprehensive Examination. (0 Credits)
Prerequisite: submission of Candidacy form. Fee $75. Graded pass/fail.

LING 695. Independent Study. (1 to 4 Credits)

LING 696. Internship. (2 or 4 Credits)
Graded pass/fail.
LING 698. Thesis/Applied Thesis. (4 Credits)
LING 699. Applied Thesis/Thesis Continuation. (0 Credits)

Teaching English to Speakers of Other Languages (TESOL) and Intercultural Studies, MA

Director, Alan Seaman

Our goal for this degree program in the Applied Linguistics and International Education department is to develop specialists in Teaching English to Speakers of Other Languages who demonstrate a high level of professionalism as the foundation for cross-cultural work.

This professional credential is designed to prepare English language teachers for positions in a wide variety of settings in the US and other countries. The stateside opportunities include teaching ESL in colleges and universities, language institutes, company-sponsored programs, and centers for new immigrants and refugees. Opportunities abroad include teaching English as a Foreign Language (EFL) in colleges and universities, national secondary and elementary schools, language institutes, and international schools.

Requirements

The requirement for this Master of Arts degree is 36 hours of course work:

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<th>Credits</th>
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### Biblical and Theological Studies Requirement

Select an approved 4-credit BITH course from the approved Category I list

LING 531 Theological Perspectives on Language and International Education 2

### Additional Required Courses

LING 561 Intercultural Communication 4

or INTR 561 Intercultural Communication 4

LING 573 Qualitative Research for Second Language Educators 2

LING 611 Theoretical Foundations of TESOL Methodology 4

LING 612 Descriptive English Grammar for TESOL (or LING 606 and LING 607) 4

LING 613 TESOL Classroom Dynamics Practicum 2

LING 615 Teaching Reading and Composition to ESL/EFL Learners 2

LING 616 English Phonology for ESL/EFL Teachers 2

LING 617 Principles of ESL/EFL Assessment 2

LING 618 English Language Learning Content Methods and Materials 2

LING 619 Teaching Speaking and Listening to ESL/EFL Learners 2

### Electives

Select one of the following: 2

LING 614 Curriculum and Materials Development for TESOL (or another approved TESOL elective)

LING 642 Bilingual Methods and Materials

Total Credits 36

Each student's program is worked out individually in consultation with an advisor.

Teaching English as a Foreign Language (TEFL) Certificate

The Certificate in TEFL is offered by Wheaton College to pre-field teachers who are preparing for positions in Asia, North Africa, and the Middle East...
through ELIC (English Language Institute - China) and related agencies. It is offered off-campus near ELIC’s headquarters in Colorado and in several overseas countries, such as China, Cambodia, and Mongolia. The Certificate in TEFL targets the job market outside of the United States, particularly in Asian universities, schools, and language institutes.

Requirements
The Certificate in TEFL requires several weeks of online course work followed by two weeks of intensive courses on a university campus and a semester of supervised teaching, for a total of 150 hours of instruction. It requires successful completion of two graduate-level TESOL courses: LING 601 Introduction to TEFL Methodology and LING 613 TESOL Classroom Dynamics Practicum, pending successful resolution of any outstanding questions or issues.
EDUCATION

The Master of Arts in Teaching (M.A.T.) program at Wheaton College has a bifold focus:

1. to prepare excellent educators for the contexts to which they are called to serve Christ and His Kingdom
2. to develop teacher-scholars who are able to use the rigorous knowledge in research for the purpose of educating and leading for human flourishing

The Department of Education offers programs for those pursuing Elementary (1-6) licensure, Secondary (9-12) licensure, and Special (K-12) licensure. There are two options by which candidates are admitted into the program. The first option is the Accelerated M.A.T. program, and is available to those students who are completing their undergraduate degree at Wheaton College and who apply for admission to the Graduate School by March 1 of their junior year. The Accelerated M.A.T. incorporates the undergraduate professional course work into students' undergraduate years here at Wheaton. The second option is the General M.A.T. program and is available for students who have received their undergraduate degree from another accredited institution. Candidates are encouraged to complete their application to the General M.A.T. program by April 1, prior to the fall term.

The Department of Education is committed to providing an experience-oriented program set within the framework of a liberal arts education that provides a broad background of knowledge, dispositions, and skills important for a person entering the teaching profession. The purpose of the program is to prepare candidates to teach and lead for human flourishing. It is an ideal program for candidates considering teaching in public, private, or Christian schools, as well as international schools. Our intent is to prepare candidates to:

- integrate Christian values and implement ethical practices in the educational setting
- develop a knowledge base within the field of education
- understand the nature and development of the learner
- develop competency in decision making and problem solving regarding educational matters
- respect cultural diversity in the school and global community
- become knowledgeable and responsive to the specific needs of at-risk learners
- become liberally educated with specialization in a discipline

To this end, the Department of Education offers teacher licensure at the Secondary (9-12), Special (K-12), and Elementary (1-6) levels. The Master of Arts in Teaching (M.A.T.)/Secondary or Special Licensure graduate degree is available for candidates who desire to combine an undergraduate discipline-specific bachelor's degree with secondary (grades 9-12) or special (grades K-12) teacher licensure. The Secondary/ Special M.A.T. licensure program is available for the following disciplines: English/Language Arts, Foreign Language (French, German, or Spanish), Mathematics, Science (designations in Biology, Chemistry, Earth/Space Science, or Physics), and Social Science (designations in History). The Master of Arts in Teaching (M.A.T.)/Elementary Licensure graduate degree is available for candidates who desire to combine an undergraduate discipline-specific bachelor's degree with elementary teacher licensure (1-6). The programs are approved by the Illinois State Board of Education and accredited by the Council for the Accreditation of Educator Preparation (CAEP). This accreditation covers Wheaton College's initial teacher preparation programs at both the undergraduate and graduate academic levels.

General Requirements for the Master of Arts in Teaching
Candidates who complete a bachelor’s degree plus licensure requirements are eligible for an Initial Teaching License in the State of Illinois following successful completion of the Illinois Test of Academic Proficiency (TAP) or obtain a waiver based on ACT or SAT score, a content-area exam, and the education Teacher Performance Assessment (edTPA). These first two exams are given by appointment at Pearson computer-based testing sites, while the edTPA is also scored by Pearson. There is a fee for each assessment. Candidates planning to apply for licensure in other states should check with the Department of Education for requirements in those states. Persons convicted of committing any sex, narcotics or drug offense, attempted first degree murder, first degree murder, or a Class X felony may be denied an Illinois teaching license. A candidate should have a valid Social Security Number.

To be admitted to WheTEP and the Graduate School, a candidate must have a minimum cumulative GPA of 3.0. The 3.0 minimum cumulative GPA must also be maintained after acceptance into the program. According to Illinois law, only major, professional, and concentration courses in which a grade of C- or better is earned can be applied toward teacher licensure. If required by ISBE, all M.A.T. candidates must take and pass the Illinois Test of Academic Proficiency as administered by the Illinois Licensure Testing System prior to beginning graduate course work or submit an ACT/SAT waiver. Additionally, Secondary (9-12) and Special (K-12) M.A.T. candidates must pass the ILTS content area exam.

The Department of Education screens its candidates for appropriate dispositions to teach through three means:

1. observations and cooperating teacher ratings during clinical experiences
2. dispositional forms completed during foundation courses
3. a screening process which includes the WheTEP interview and review of the documents from cooperating teachers, college supervisors, and course instructors

Formal votes to affirm appropriate dispositions are taken at two points (admission to WheTEP and admission to student teaching) during the candidate’s preparation program. Additionally, a candidate’s dispositions to teach are carefully monitored during the student teaching experience. A candidate may be denied admission to any phase of the program or be denied licensure if, in the judgment of the faculty members, he/she does not exhibit the appropriate dispositions to teach. For more information on the screening process, please see the department.

Accelerated Master of Arts in Teaching
Wheaton College undergraduate students desiring to pursue an M.A.T. need to decide no later than their junior year whether to follow the bachelor’s licensure program or the M.A.T. licensure program. For those following the M.A.T. program, formal applications to the Graduate School should be submitted by March 1 of the junior year. A Wheaton Teacher Education Program (WheTEP) Application should be filed by October 1 of the junior year. By the time an M.A.T. candidate completes the bachelor’s degree requirements, 100 hours of clinical experiences are required. This includes the courses: EDUC 515L, EDUC 521L, EDUC 505L, and EDUC 527L or EDUC 511L. The EDUC 507L course or other experiences may also count toward the 100 hours with Education Department approval.
General Master of Arts in Teaching

While the M.A.T. was designed as a joint B.A./M.A.T. program, persons who have already earned a bachelor’s degree from an accredited college can enroll in the program as well. Because some of the professional education course work may not have been completed during the undergraduate program, the General M.A.T. program includes undergraduate course work in addition to graduate course work.

Faculty

Chair, Associate Professor Paul Egeland
M.A.T. Coordinator, Associate Professor IL-Hee Kim
Professor Jillian Lederhouse
Associate Professor Sally Morrison
Associate Professor of Education and Associate Professor of Philosophy (by courtesy) Mark Jonas
Ann Haskins Assistant Professor of Special Education Thomas Boehm
Visiting Instructor Sara Vroom Fick

Admissions

Deadlines and requirements will vary depending on degree and program. See Graduate Admissions (https://catalog.wheaton.edu/graduate/graduate-admissions) in the catalog for additional information or go to Wheaton College Graduate School Admissions (https://www.wheaton.edu/graduate-school/admissions):

Wheaton College Graduate School
Graduate Admissions
Toll free: 800.888.0141 or 630.752.5195

https://www.wheaton.edu/graduate-school/admissions

Programs

- Accelerated Master of Arts in Teaching: Elementary Licensure (p. 327)
- Accelerated Master of Arts in Teaching: Secondary/Special Licensure (p. 327)
- General Master of Arts in Teaching: Elementary Licensure (p. 328)
- General Master of Arts in Teaching: Secondary/Special Licensure (p. 328)

Courses

Education Courses

EDUC 505L. Learning Differences Practicum. (0 Credits)
The candidate will observe and work with students with special needs in a school or recreational setting for approximately 30 hours. Concurrent with EDUC 511L or EDUC 527L. Graded pass/fail.

EDUC 506. Classroom Communication and Curriculum Integration. (4 Credits)
Covers the communication processes germane to the teaching profession, which include the development of techniques in speaking, writing, and reading skills. Includes methodologies for teaching reading and writing across the curriculum with particular emphasis in middle school curriculum, as well as theory and practice for interpersonal communications, listening skills, public speaking, and instructional strategies (lecturing, questioning techniques, group processes and dynamics). Prerequisites: EDUC 515L, 225, 521L, and admission to WheTEP and M.A.T. program.

EDUC 507L. Middle Grade Practicum. (0 Credits)
An optional teacher-aiding experience in the middle grades for a full-time, five-day period when the College is not in session, usually completed during the winter or spring break. Pre-approved middle grade projects required. Graded pass/fail.

EDUC 511. Theories and Methods of Teaching Elementary and Middle School Students. (2 Credits)
An introduction to general methods of teaching elementary and middle school students, including units on the nature and curriculum of elementary and middle schools, classroom management, lesson and unit planning, adapting instruction for individual differences, and assessment. Additional study for graduate students includes professional and political roles of teaching. Concurrent with EDUC 312, 315, 317, 505L, 511L, SCI 322, SSCI 321. Prerequisites: EDUC 136L/515L, 225, 225L/521L, EDUC 305, MATH 125, admission to the M.A.T. program, and admission to WheTEP $15 field trip fee.

EDUC 511L. Methods Practicum for Elementary and Middle School. (0 Credits)
This field experience will provide an opportunity to integrate theory and practice through observation and use of the concepts and strategies developed in the professional block of methods courses and to understand the culture of elementary and middle schools through observation in various school settings and an additional extended full-time experience within a particular school setting. The elementary M.A.T. major works with a cooperating teacher over a four-week period in the spring. Concurrent with EDUC 312, 315, 317, 505L, 511, SCI 322, SSCI 321. Prerequisites: EDUC 136L/515L, 225, 225L/521L, 305, MATH 125, admission to the M.A.T. program, and admission to WheTEP. Graded pass/fail. Course fee: $50.

EDUC 515L. Cross-Cultural Tutoring Practicum. (0 Credits)
A tutoring experience with students from cultural settings different from that of the graduate student’s background. Graded pass/fail.

EDUC 521L. Teaching Aiding Practicum. (0 Credits)
Thirty hours of field-based work observing and assisting a licensed teacher in a local elementary, middle or high school and preparing a lesson to teach in this context. Concurrent with EDUC 225. Graded pass/fail.

EDUC 527L. Secondary and Middle Education Practicum. (0 Credits)
A practice of the concepts and skills acquired in the departmental methods course. Concurrent with departmental methods class, EDUC 305, 305L. Prerequisite: Admission to WheTEP and the M.A.T. program. Graded pass/fail. Course fee $50.

EDUC 529. Literacy Assessment. (2 Credits)
This course is designed to explore specific problems in the teaching of the language arts beyond those covered in EDUC 312. It deals with diagnosis and recommendations for providing supportive contexts for individual differences. Prerequisites: EDUC 587, 594, 596.

EDUC 531. Ethical Perspectives on Teaching. (2 Credits)
An examination of ethical issues related to education, such as value conflicts between cultural groups, the nature of democracy in schools, allocation of limited resources, and implications of curricular decisions applicable to the candidate’s area of teaching. Prerequisite: Admission to M.A.T. program.

EDUC 541. Statistics in Education. (2 Credits)
A study of the techniques needed for understanding, analyzing, and interpreting data with an emphasis on descriptive and inferential statistics including correlation, t-test, and analysis of variance. Prerequisite: Admission to M.A.T. program.
EDUC 542. Research Methodologies in Education. (2 Credits)
The study and application of skills used in preparing, executing, reporting, and utilizing educational research in order to become critical consumers and producers of research. Candidate designs a curricular project that can be used during the induction year of teaching. Prerequisites: Admission to M.A.T. program.

EDUC 587. Philosophical Foundations of Education. (3 Credits)
An examination of the philosophical foundations of education from 1635 to the present. Emphasis is on a comparison of philosophical ideas in education and on the development of a personal philosophy of education. Candidate studies literature of a chosen educational theorist. Concurrent with EDUC 594 and 596. Prerequisites: EDUC 515L, 225, 521L, and admission to M.A.T. program. Course fee approx. $250.

EDUC 594. Craft Of Teaching. (2 Credits)
An exploration of the complexities of the teaching profession within the context of student teaching. Candidates will examine their experiences within the framework of readings which will inform their methods of teaching and effective interaction with students. The course will also demonstrate how research can be done within the classroom as a means to answering some of the questions which arise from the student teaching experience. Focus is on implementing classroom research. Concurrent with EDUC 587 and 596. Prerequisite: Admission to M.A.T. program. Course fee: $300.

EDUC 595. Independent Study. (1 to 4 Credits)

EDUC 596. Student Teaching. (9 Credits)
A twelve-week teaching internship focusing on the candidate’s major area of scholarship and beginning classroom research. Usually student teaching is done within a 15-mile radius of the campus. Candidates complete their student teaching in their major teaching areas. Concurrent with EDUC 587, 594.

EDUC 598. Action Research Paper. (2 Credits)
A research paper focusing on an area of scholarship based on on-site experience. The candidate defines, designs, and implements an original classroom research project. Prerequisites: Admission to M.A.T. program, EDUC 541, 542, 594, 596.

EDUC 599. Action Research Continuation. (0 Credits)

EDUC 698. Thesis. (4 Credits)

EDUC 699. Thesis Continuation. (0 Credits)

Requirements
Requirements for the Accelerated Master of Arts in Teaching: Elementary Licensure degree are graduate 34 hours including:

<table>
<thead>
<tr>
<th>Code</th>
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<th>Credits</th>
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<tbody>
<tr>
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<td>Theories and Methods of Teaching Elementary and Middle School Students</td>
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<tr>
<td>EDUC 511L</td>
<td>Methods Practicum for Elementary and Middle School</td>
<td>0</td>
</tr>
<tr>
<td>EDUC 529</td>
<td>Literacy Assessment</td>
<td>2</td>
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<tr>
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<td>Ethical Perspectives on Teaching</td>
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<tr>
<td>EDUC 541</td>
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<td>EDUC 542</td>
<td>Research Methodologies in Education</td>
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<tr>
<td>EDUC 587</td>
<td>Philosophical Foundations of Education</td>
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</tr>
<tr>
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<td>Action Research Paper</td>
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</tr>
<tr>
<td>INTR 618</td>
<td>English Language Methods for Content Area Teachers</td>
<td>2</td>
</tr>
<tr>
<td>LING 531</td>
<td>Theological Perspectives on Language and International Education</td>
<td>2</td>
</tr>
</tbody>
</table>

Select one 4-credit Bible/Theology course from the approved graduate program’s Category I listing
Complete an action research paper or thesis

Total Credits | 34 |

Accelerated Master of Arts in Teaching: Secondary/Special Licensure

The outline of the program is as follows:

- Candidates complete requirements for a bachelor’s degree in the first four enrollment years. During this enrollment period, candidates also complete the following courses: EDUC 135, EDUC 136, EDUC 136L, EDUC 225, EDUC 225L, EDUC 312, EDUC 315, EDUC 317, EDUC 305, EDUC 505L, EDUC 511L, EDUC 511L, EDUC 541, and EDUC 542, MATH 125, SCI 322, and SSCI 321.
- During the fall semester, candidates will be enrolled full-time for their student teaching experience (EDUC 596, EDUC 587, and EDUC 595, and spring semester for graduate courses (EDUC 529, EDUC 531, EDUC 598, INTR 618, LING 531 and a Category I BITH course (p. 264)). With the satisfactory completion of student teaching and the State of Illinois examinations, candidates can apply for State of Illinois teacher licensure.
- In consultation with the M. A. T. coordinator, M.A.T. students who are not involved in an educational setting after completion of coursework may petition to substitute EDUC 698 Thesis and pay tuition for the additional two hours.
- Each subsequent semester until the ARP or thesis is completed; candidates must enroll in EDUC 599 Action Research Continuation or EDUC 699 Thesis Continuation and pay the continuation fee.
- The Master of Arts in Teaching degree will be awarded once all degree requirements are complete and the action research paper or thesis is satisfactorily completed and accepted by Buswell Library.
The outline of the program is as follows:

- Candidates have completed upon admission to the Graduate School: (1) a bachelor's degree in an approved content area from an accredited institution and passing scores on the Illinois Test of Academic Proficiency (TAP) or completed an ACT/SAT waiver.
- During the first academic year, candidates take a total of 30 credits of professional education courses - EDUC 515L, EDUC 225, EDUC 521L, EDUC 312, EDUC 315, EDUC 317, EDUC 305, EDUC 505L, EDUC 511, EDUC 511L, EDUC 541, EDUC 542, MATH 125, SCI 322, and SSCI 321.
- During the second year, candidates will be enrolled full-time fall semester for their student teaching experience (EDUC 587, EDUC 594, plus EDUC 596) and spring semester for graduate courses (EDUC 529, EDUC 531, EDUC 598, INTR 618, LING 531 and an additional course from the approved graduate program's Category I listing (p. 264)).
- With the satisfactory completion of student teaching and the State of Illinois examinations, candidates can apply for State of Illinois teacher licensure.
- In consultation with the M.A.T. coordinator, M.A.T. students who are not involved in an educational setting after completion of coursework may petition to substitute EDUC 698 Thesis and pay tuition for the additional two hours.
- Each subsequent semester until the thesis is completed, candidates must enroll in EDUC 599 Action Research Continuation or EDUC 699 Thesis Continuation and pay the continuation fee.
- The Master of Arts in Teaching degree will be awarded once all degree requirements are complete and the action research paper or thesis is satisfactorily completed and accepted by Buswell Library.

### Requirements

#### Requirements for the Accelerated Master of Arts in Teaching: Secondary/Special Licensure degree are 34 graduate hours:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>EDUC 527L</td>
<td>Secondary and Middle Education Practicum</td>
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<tr>
<td>EDUC 531</td>
<td>Ethical Perspectives on Teaching</td>
<td>2</td>
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<td>EDUC 541</td>
<td>Statistics in Education</td>
<td>2</td>
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<tr>
<td>EDUC 542</td>
<td>Research Methodologies in Education</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 506</td>
<td>Classroom Communication and Curriculum Integration</td>
<td>4</td>
</tr>
<tr>
<td>EDUC 587</td>
<td>Philosophical Foundations of Education</td>
<td>3</td>
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<tr>
<td>EDUC 594</td>
<td>Craft Of Teaching</td>
<td>2</td>
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<tr>
<td>EDUC 596</td>
<td>Student Teaching</td>
<td>9</td>
</tr>
<tr>
<td>EDUC 598</td>
<td>Action Reserch Paper</td>
<td>2</td>
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<tr>
<td>INTR 618</td>
<td>English Language Methods for Content Area Teachers</td>
<td>2</td>
</tr>
<tr>
<td>LING 531</td>
<td>Theological Perspectives on Language and International Education</td>
<td>2</td>
</tr>
</tbody>
</table>

Select a 4-credit Bible/Theology course from the approved graduate program's Category I listing

Complete an Action Research Paper or thesis within five years of the first term as a full M.A.T. student

Total Credits: 34

#### Requirements

#### Requirements for the General Master of Arts in Teaching: Elementary Licensure degree are 24 hours of possible undergraduate prerequisites and 34 graduate hours including:

<table>
<thead>
<tr>
<th>Code</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>EDUC 511</td>
<td>Theories and Methods of Teaching Elementary and Middle School Students</td>
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<tr>
<td>EDUC 511L</td>
<td>Methods Practicum for Elementary and Middle School</td>
<td>0</td>
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<tr>
<td>EDUC 529</td>
<td>Literacy Assessment</td>
<td>2</td>
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<td>EDUC 531</td>
<td>Ethical Perspectives on Teaching</td>
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<td>EDUC 598</td>
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</tr>
<tr>
<td>LING 531</td>
<td>Theological Perspectives on Language and International Education</td>
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</tr>
</tbody>
</table>

Select one 4-credit Bible/Theology course from the approved graduate program's Category I listing

Complete an Action Research Paper or thesis within five years of the first term as a full M.A.T. student

Total Credits: 34

### General Master of Arts in Teaching: Elementary Licensure

The outline of the program is as follows:

- Candidates have completed upon admission to the Graduate School: (1) a bachelor's degree in an approved content area from
an accredited institution; (2) a passing score on the Illinois Test of Academic Proficiency (TAP) or completed an ACT/SAT waiver, and (3) a passing score on an Illinois content area examination.

- During the first academic year, candidates will take a total of 20 credit hours of professional education courses—EDUC 515L, EDUC 225, EDUC 521L, EDUC 305, EDUC 505L, their major department's methods course, EDUC 527L, EDUC 506, EDUC 531, EDUC 541 and EDUC 542; INTR 618; LING 531; and an additional four-hour Bible/Theology course from the approved graduate program's Category I listing; and any coursework to meet licensure deficiencies in their content area.

- During the second year of enrollment, candidates will enroll full-time fall semester for their student teaching experience (EDUC 596, EDUC 587, EDUC 594, plus EDUC 598). With the satisfactory completion of student teaching and the State of Illinois examinations, candidates can apply for State of Illinois teacher licensure.

- In consultation with the M.A.T. coordinator, M.A.T. students who are not involved in an educational setting after completion of coursework may petition to substitute EDUC 698 Thesis and pay tuition for the additional two hours.

- Each subsequent semester until the thesis is completed candidates must enroll in EDUC 599 Action Research Continuation or EDUC 699 Thesis Continuation and pay the continuation fee.

- The Master of Arts in Teaching degree will be awarded once all degree requirements are complete and the action research paper or thesis is satisfactorily completed and accepted by Buswell Library.

Requirements

Requirements for the General Master of Arts in Teaching: Secondary/Special Licensure degree are 16 hours of possible undergraduate prerequisites and 34 graduate hours including:

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<tr>
<th>Code</th>
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<tr>
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<td><strong>Major Requirements</strong></td>
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<tr>
<td>EDUC 527L</td>
<td>Secondary and Middle Education Practicum</td>
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<td>EDUC 531</td>
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<td>EDUC 506</td>
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<td>Integration</td>
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<td>EDUC 587</td>
<td>Philosophical Foundations of Education</td>
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<td>EDUC 594</td>
<td>Craft Of Teaching</td>
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<td>Student Teaching</td>
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<tr>
<td>EDUC 598</td>
<td>Action Research Paper</td>
<td>2</td>
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<td>INTR 618</td>
<td>English Language Methods for Content Area</td>
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<td>LING 531</td>
<td>Theological Perspectives on Language and</td>
<td>2</td>
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<td></td>
<td>International Education</td>
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<td>Select one 4-credit Bible/Theology course from</td>
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<td></td>
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<td>Complete an Action Research Paper or thesis</td>
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<td>within five years of the first term as a full</td>
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<td>M.A.T. student</td>
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<td></td>
<td><strong>Total Credits</strong></td>
<td>34</td>
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</tbody>
</table>

Candidates must also complete non-credit field experiences, EDUC 505L, EDUC 515L, and EDUC 521L, as well as additional coursework to meet any licensure deficiencies in their content area.
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ANTHROPOLOGY (ANTH)

ANTH 116. Introduction to Anthropology. (4 Credits)
This course is an introduction to the discipline of anthropology, with particular focus on the methods, theory and conceptual framework of cultural anthropology. All topics will be addressed in anthropological and Christian terms, including such issues as race, gender, language, globalization, and marriage. First Year and Sophomore students only, except by consent of instructor.

ANTH 282. Culture, Travel and Tourism. (2 Credits)
Tourism and other forms of international travel have become important sites of anthropological inquiry as increasing numbers of people have their most significant cross-cultural experiences through the travel industry, either as participants or providers. This course will explore the anthropological literature around these phenomena, with a focus on the consequences of such travel for the construction of culture and cultural differences.

ANTH 319. Colonialism and Redemption: Native American Culture and Theology from 1492 to Wounded Knee. (2 Credits)
An interdisciplinary course designed to explore the Native American experience through the lens of historical anthropology and theology. The course explores the experiences and perspectives of the Native inhabitants of "Turtle Island" from the beginning of the colonial era up to the present day. The course also examines the role of Scripture, theology, and the Church during the time of European expansion across North America and the current relationship between First Nations peoples and Christianity, including developments in Native Christian theology. Meetings with Native Americans are part of the course. The themes of "colonialism" and "redemption" will bind together this theological, anthropological, and personal exploration.

ANTH 324. Anthropology of Global Christianity. (2 Credits)
This course explores the diverse manifestations of Christianity around the globe. Using anthropological theory and method, particular attention will be paid to the non-Western church, exploring the relationship between the Gospel and culture around the world.

ANTH 331. Cultural Immersion Experience. (0 Credits)
A department approved cultural immersion experience.

ANTH 341. Consumption and Material Culture. (2 Credits)
This class integrates the relationships between people and the things they consume. In particular, it is interested in the ways in which identities and relationships are generated through the processes and events of consumption. Case studies will be drawn from multiple national and international contexts and will highlight the embeddedness of these processes within the larger social and cultural systems.

ANTH 342. Food, Farms, and Culture. (4 Credits)
This course is an exploration of the farming systems, consumption practices, and cultural patterns that intertwine in the United States. We ask what it means to seek the Kingdom of God throughout food production and consumption in the United States, seeking environmental justice; racial, ethnic, and class equity in food access and production; equity in rural and urban places; well-being for workers; health for human bodies; and the joys of communing around food.

Tags: DUS

ANTH 353. Biculturalism. (4 Credits)
Principles of anthropology that highlight understanding of, and adapting to, other cultures, with focus on the problems of cross-cultural adaptation and ministry for the Christian. Relevant for HNGR interns, missions, CE, and Biblical Studies majors, and all who are interested in cross-cultural work.

Tags: DUS, GP

ANTH 354. Culture in the Contemporary World. (4 Credits)
Exploring how "culture" relates to identity, interpretation of Scripture, and the practice of the Christian life, this course provides students with an understanding of basic anthropological approaches to culture and how those approaches relate to contemporary issues such as racialization, language ideology, conceptions of gender, neocolonialism, and missions. Requires sophomore standing and above or consent of instructor.

ANTH 361. Medical Anthropology. (2 Credits)
Cultural differences in conceptions of illness and health care, and the processes of change in medical systems throughout the contemporary world. Relevant for health care professions, missions, HNGR.

ANTH 364. Linguistic Anthropology. (2 Credits)
This course will address language from an anthropological perspective. This will include technical linguistic theory (phonetics/phonemics), but whereas much of that is covered in linguistics courses, this course will spend far more time on socio-linguistics and language ideology, particularly in the colonial and post-colonial context of the non-Western world. Students will be able to identify and apply the major historic and contemporary anthropological theories of language.

ANTH 376. Culture Theory. (4 Credits)
The culture concept has gone through numerous transformations since it was first introduced into anthropology in the nineteenth century and this course briefly surveys historical theories in anthropology, but highlights structuralist, poststructuralist, postmodernist, Marxist, feminist, postcolonial, and transaction theories.

ANTH 381. Politics of Veiling in the Modern Middle East. (2 Credits)
This course approaches the diversity of life in the modern Middle East through the practices of veiling. Rather than a singular model or symbol, the veil emerges as a material object invested with various meanings through the complex intertwining of political, religious, and social life in societies from North Africa to Central Asia, and increasingly, the rest of the world.

ANTH 383. Cities in the Global South. (2 Credits)
Cities in the global south today face a variety of challenges, requiring careful negotiation through policy and everyday practice. This course introduces students to the particular issues which colonial histories and peripheral participation in global markets have produced in some key cities of the global south. Strategies and innovations for future development are presented as possibilities for local agency and transformation.

ANTH 385. Field Research Methods. (4 Credits)
A practical preparation of HNGR Program interns for participatory research and cross-cultural living and service. Emphasis in research is on design and implementation of qualitative and quantitative research methods in actual field settings, including roles, rapport, ethics, cultural adaptations, field notes, and write-up. Emphasis in orientation is on cross-cultural adjustment, including approaches, responses, psychological adaptation, relationship-building, communication, health, and Christian witness. Open to outgoing HNGR interns only. Course fee.
ANTH 393. Placemaking in Urban Contexts. (2 Credits)
Explores the processes by which particular configurations of history, identity and landscape are transformed into identifiable and meaningful places in the construction and development of cities. Case studies will be drawn from multiple cities around the world, including Scotland, China, and Africa and will examine the use of local and global narratives, images, and logics, highlighting the socially contested and constructed nature of this process.

ANTH 431. Culture, Economy, and Morality. (4 Credits)
This course explores the diverse ways people answer moral questions about money and economics. The course focuses on how culture shapes our interpretations of the economic choices we deem right and wrong. By considering case studies of economic moralities in diverse cultural contexts, students will develop more nuanced understandings of Biblical perspectives on economic topics including generosity, consumption, work, capitalism, and inequality.
Tags: GP, SI

ANTH 432. Violence and Peace in Latin America. (4 Credits)
This course draws on anthropological and social scientific research to examine how diverse organizational and social actors work to confront violence and strengthen peace in Latin America. Students will learn about the history of state, political and criminal violence in the late 20th and early 21st centuries, and students will be introduced to the efforts of international justice and human rights activists and civil society and religious organizations to build more just, peaceful, and inclusive societies in Latin America.

ANTH 435. Power and Gender in Southeast Asia. (4 Credits)
This course will focus on power and gender as key topics in the anthropology and historiography of Southeast Asia. We will explore how these ideas intersect with other anthropological and historical themes such as race, colonialism, nationalism, urbanization, and economic development.
Tags: GP, HP

ANTH 478. Anthropology Through Film. (2 Credits)
The medium of film can provide a window into the heart of a society, giving the viewer a chance to see inside the culture and minds of a people. This course will use commercial ("Hollywood") films as opportunities to explore themes and theories in anthropology, in order to gain insight into anthropological concepts and the society(ies) or subcultures from which the films originate.

ANTH 481. Anthropological Writing: Writing in History and the Social Sciences. (2 Credits)
This is a course for students who want to write for scholarly and general audiences. It is an opportunity to strengthen writing skills and analytical techniques. In this intensive writing course, advanced anthropology (and related disciplines) students will get a hands-on experience of gathering and/or using original data (ethnographic, archival, statistical, geo-spatial, etc.), transforming it into evidence (by analyzing it using relevant theoretical methods) and then writing a compelling analytical argument that connects the research findings to important social scientific questions. The course is particularly relevant for those who have previously collected data (such as HNGR or other study abroad students) they are prepared to use in a substantial writing project.

ANTH 482. Ethnographic Theory and Method. (4 Credits)
This course analyzes anthropological research and writing on fieldwork, while cultivating students’ skills in the practice of ethnography. The production of knowledge, problems of evidence, experience and ethics, as well as issues of power and representation are discussed. Students frame and address theoretical problems through the development of an ethnographic research project, and through the processes of peer review, they refine this project throughout the semester, culminating in an original piece of anthropological research.

ANTH 494. Senior Capstone. (4 Credits)
A capstone seminar which evaluates contemporary issues within anthropology to address the relationship between Christianity and anthropological epistemologies, theories, and methods.

ANTH 495. Independent Study. (1 to 4 Credits)
Guided reading and research for the advanced students, or research internship in ongoing institutional or faculty research. Prerequisite: Permission of department chair.

ANTH 496. Internship in Anthropology. (4 or 8 Credits)
Credit given in connection with an internship assignment in medical anthropology, missions, HNGR, cross-cultural settings which involve education, development, business, or family life with participation of a faculty anthropologist. Majors may apply eight hours of internship credit toward one anthropology elective course. See department for details, including course prerequisites.
APPLIED HEALTH SCIENCE (AHS)

AHS 101. Wellness. (2 Credits)
Students will be guided in a critical reflection of their health and wellness within the context of a Christian worldview. Special emphasis will be given to the development and maintenance of lifestyle habits that optimize well being.

AHS 271. Research Methods. (2 Credits)
This course is a study and application of research methods and statistics within the applied health sciences. Course objectives include: describe the purposes of research and how they relate to one's role as a producer and consumer of research; properly perform the process of research writing as it relates to the applied health sciences; develop an understanding and application for statistical concepts; and appropriately select and adequately perform valid and reliable measures to evaluate research findings.

AHS 273. Behavioral Medicine. (2 Credits)
This course examines the evolution and development of many of the "best practices" used by allied health professionals to positively change health behavior. Specific attention will be given to how groups and systems either enhance or inhibit the behavioral change process. Students are expected to not only master academic content but to experientially participate in laboratory assignments that apply theoretical principles.

AHS 281. Biostatistics. (4 Credits)
The purpose of this course is to train students to become intimately familiar with the basics of research design and statistical modeling techniques commonly used in the health sciences. Knowledge will be gained as students learn how to go from hypothesis generation, to appropriate research design, to the implementation of a statistical model, to the interpretation of results.

Tags: AAQR

AHS 351. Human Anatomy. (4 Credits)
This course covers the basic concepts of human anatomy, with emphasis on both the gross and cellular characteristics of each system. It includes discussion on how structure affects function while examining different clinical scenarios. Laboratory sessions will include human cadaver and specimen dissection, along with histological slides to reinforce concepts discussed in lectures. This course is intended to serve students interested in the health professions. Prerequisite: BIOL 241 or department permission. Lab fee.

AHS 361. Integrative Human Physiology. (4 Credits)
This course presents the integrative physiology of the respiratory, cardiovascular, muscular, nervous, renal, digestive, endocrine, immune, and reproductive systems. Cellular and metabolic regulation will be integrated into organ/systems regulation. Normal and disease conditions (e.g., heart disease, diabetes) will be used as illustrations. The information in this course will be integrated into specific upper division courses and is directly applicable to those in the health sciences. Prerequisite: CHEM 231 or CHEM 232; Prerequisites: BIOL 241 and AHS 351 or department permission. Lab fee.

AHS 362. Orthopedic & Athletic Injury. (2 Credits)
A study of the mechanism, treatment, rehabilitation, and prevention of musculoskeletal injury. The course begins with the study of the injury process from a physiological and biomechanical perspective. The course then progresses into the study of specific injuries to the various areas of the body. The course concludes with the study of various treatment modalities utilized in the health care arena. Departmental adjunct faculty and health professionals from the community serve to expand the course content within their area of expertise. Prerequisites or corequisites: AHS 351, AHS 361 or department permission. $10 course fee.

AHS 368. Concepts in Nutrition. (4 Credits)
This course includes the theory and techniques of nutrition, dieting, and proper weight control. Digestion and absorption of foodstuffs will be presented at the biochemical and applied physiological levels. Experimentally based research projects and case studies will be accomplished in small groups. Pre/Corequisite: AHS 361; prerequisites: AHS 271, AHS 351, or department permission.

AHS 371. Clinical Kinesiology. (4 Credits)
This course will study the biomechanical forces involved in human movement. Applications will include the study of normal human movement, abnormal/pathological movement (e.g. abnormal gait analysis, rehabilitation aspects of movement), as well as sport and exercise biomechanics. Attention will be given to both the quantitative and qualitative analysis of movement. Prerequisites: AHS 271, 351, 361, and 452.

AHS 378. Community Health and the Urban Environment. (4 Credits)
This course provides a basic introduction to the history, structure, and function of the public health system as it applies to the urban environment. Aspects of the economic, social, physical and built environments that impact the health of urban populations will be examined in the context of community organizing, program planning, health promotion and disease prevention throughout the lifespan, minority health, mental health, environmental and workplace safety and the delivery of adequate and equitable healthcare services. Prerequisites: BIOL 201 or 241 or 242.

AHS 381. Concepts in Epidemiology. (4 Credits)
An introductory course of the basic science of disease prevention. Overview of epidemiologic methods and research designs to explore the variation of disease occurrence among individuals and populations and how that variation is studied to understand the causes of disease. Discussion of the biologic, behavioral, social and environmental determinants of health and disease. Description of how epidemiologic findings are applied to health maintenance and disease prevention. Prerequisite: AHS 271.

AHS 384. Public Health: Physical Activity Promotion. (2 Credits)
This course addresses public health concepts and issues related to physical inactivity and attempts to prepare the student to work alongside of public agencies and communities to understand the link between physical activity and chronic diseases and how to strategize appropriate interventions. Students will have the opportunity to connect theory and practice through dialogue with public health practitioners and community leaders.
AHS 387. Prevention of Obesity and Eating Disorders. (2 Credits)
This course will examine the causes of eating disorders and obesity from a multidisciplinary perspective. Personal, environmental, and socio-cultural factors driving eating disturbances that disrupt biological regulatory mechanisms of food intake and the maintenance of healthy body weight will be explored. A public health strategy that focuses on health rather than strict control of body weight will be presented as an effective and comprehensive approach for prevention of obesity and eating disorders. Prerequisites: AHS 101 and BIOL 201 or 241 or 242 or CHEM 231.

AHS 391. Community-Based Research in Urban Public Health. (4 Credits)
Theory and practice of public health program planning and evaluation in partnership with community public health organizations in urban Chicago. Students will integrate principles of community building and organizing to address community-identified health issues in the context of social change. Emphasis will be placed upon the development of faith-based cultural humility for the recognition and empowerment of existing healthy community assets for the improvement of urban health and quality of life. Quantitative and qualitative research methods will be utilized and integrated throughout all phases of health planning and program evaluation. Prerequisites: AHS 378 and AHS 381. $50 course fee.

AHS 394. Topics in Applied Health Science. (2 or 4 Credits)
Specific topics in Applied Health Science not normally included in the curriculum.

AHS 401. Nutrition & Disease. (2 Credits)
The content of the course will cover common chronic diseases, their characteristics, their etiology and treatment. The students should be able to explain how a particular disease develops or at least what we know of its development and how nutrients may protect against its development. Prerequisite: AHS 368.

AHS 451. Advanced Human Anatomy. (2 Credits)
This course covers advanced concepts of human cadaver anatomy. A thorough general dissection of the entire body with various in-depth dissections throughout the course will be the focus. This course is intended to serve students interested in the health professions. Prerequisite: AHS 351.

AHS 452. Applied Physiology. (4 Credits)
This course will present the applied physiology of the following conditions: heart disease, obesity, type-2 diabetes mellitus, lower limb amputations, pregnancy, and aging and the role of prescribed exercise in the management and rehabilitation of these conditions. The physiological and biochemical adjustments and adaptations to acute and chronic exercise will be presented. Experimentally based research projects will be accomplished in small groups. Prerequisites: AHS 271, 351 and 361 or departmental permission. $75 lab fee.

AHS 461. Advanced Anatomy II. (2 Credits)
Advanced subject material in human anatomy cadaver dissection. Dissections will be completely different than those covered in AHS 451. Examples include the spinal cord with brachial and sacral plexus, intricacies of the hand, foot, shoulder or knee, nerves of the abdominal pelvic cavity. Prerequisite: AHS 351.

AHS 468. Advanced Nutrition: Vitamins. (2 Credits)
This course includes the in-depth study of fat- and water-soluble vitamins. The material will include their metabolism and their important role in optimal health. In addition, this course addresses their functions, bioavailability, hormonal regulation, requirements, deficiency and toxicity signs, and interrelation with other nutrients. Also, there will be reading and discussion on recent published articles involving these vitamins. Prerequisite: AHS 368.

AHS 494. Integrative Seminar. (2 Credits)
This course is designed to provide an integrative conclusion to the major by reflecting on how a Christian liberal arts education has shaped students’ knowledge and character, to connect the discipline of Applied Health Science within the broader context of liberal arts and the Christian faith, and to clarify/reaffirm vocational calling.

AHS 495. Problems in Applied Health Science. (1 to 4 Credits)
Special projects and independent research study. These projects must offer a unique learning experience for the student and will usually be an experimentally based research project with the purpose of developing critical thinking and with the intent of being published.

AHS 496. Internship. (4 to 8 Credits)
Practical experience under supervision in an approved program. Prerequisite: junior or senior standing as Applied Health Science major.
ARCH 211. Old Testament Archaeology. (4 Credits)
A survey of the Old Testament with an emphasis on archaeological research as it relates to the understanding and interpretation of the text. This course fulfills the Old Testament general education requirement.
General Education: SHAR
ARCH 213. New Testament Archaeology. (4 Credits)
A survey of the New Testament with an emphasis on archaeological research as it relates to the understanding and interpretation of the text. This course fulfills the New Testament general education requirement.
General Education: SHAR
ARCH 317. Studies in Biblical Lands. (4 Credits)
A study of cultural, historical, geographical, and theological dimensions of the Old Testament, New Testament, and the Church through classroom lecture and travel to Israel, Greece, Turkey, and Rome. In addition, through contact with leaders and communities of non-western churches, Wheaton in the Holy Lands engages students with issues of the theological development of the Church through the centuries. This program can be taken as a partial alternative to the general education requirements in Biblical and Theological studies, or it can fill selected requirements in the Biblical Studies, Theological Studies, or Archaeology major. Su only
Tags: GP, HP
ARCH 325. Archaeological Field Work. (4 Credits)
Field experience involving excavation, interpretation, and studies in related regional archaeology.
Tags: SI
ARCH 326. Archaeological Field Work: Tel Shimron, Israel. (4 Credits)
Field experience involving excavation, interpretation, and studies in related regional archaeology.
Tags: GP, HP
ARCH 327. Archaeological Science. (4 Credits)
Overview and practice of methods of archaeological science applied from geosciences, chemistry and biology (zoology and botany) in an active excavation. Understanding the historical influence of physical and environmental setting on the archaeological site in its regional context.
Four hours lecture, 3 hours laboratory.
Tags: SP
ARCH 333. Historical Geography. (2 Credits)
Surveys the geographical, historical, religious and archaeological material of biblical Israel and Second Temple Judaism as well as the earliest Christian communities in the Greco-Roman world. Classroom lectures are supplemented by regional studies with overnight field studies, on-site lectures and relevant preparation (map work, biblical readings, etc.). Attention is given to (1) key OT and NT historical events and their geographical location, especially in Jerusalem, Galilee, the Shephelah, Jordan Valley, Negev, and the Dead Sea region, and (2) key NT historical events and their geographical location, especially in Italy (Rome), Greece (e.g., Philippi, Delphi, Thessalonica, Corinth, Athens), and modern Turkey (e.g., Ephesus, Istanbul, Pergamum, Smyrna, Laodicea). Su only.
ARCH 334. Historical Geography. (2 Credits)
A study of selected biblical episodes which are enriched when understood in the context of Near Eastern history and Palestinian geography. Prerequisite: BITH 211 or 221 or 312, or ARCH 211.
ARCH 345. Archaeology of the Classical World. (2 Credits)
Excavations, monuments, epigraphic materials, and papyri from the Minoan, Mycenaean, Aegean, and Greco-Roman times. Prerequisite: ARCH 211 or 213.
ARCH 365. Statecraft and International Relations in the Ancient Near East. (4 Credits)
This course investigates the ways that statecraft and international politics were conducted in ancient Mesopotamia and Egypt. It addresses methods and theories for studying statecraft and international politics as well as considers how these were embedded within and shaped by the societies, cultures, and economies of Mesopotamia and Egypt.
Tags: HP, SI
ARCH 366. Archaeology of Biblical Lands. (4 Credits)
A survey of archaeological and historical materials of Biblical Lands from prehistoric times through the Iron Age. Special attention is given to understanding the material culture of each period and the interface of biblical sources with these periods where appropriate. Four hours lecture, two hours laboratory. Prerequisite: ARCH 211.
Tags: HP, SI
ARCH 367. Jerusalem, the Holy City. (4 Credits)
Jerusalem’s special place in the biblical tradition is considered through the disciplines of archaeology and history. Special attention is given to the city’s theological significance, as well as its place in the religious traditions and history of the Middle East. Prerequisite: BITH 211 or 221 or 312, or ARCH 211.
ARCH 369. Religions of Israel and the Near East. (4 Credits)
This course introduces key theoretical approaches to the study of religion, explores significant literary sources and engages important syntheses of the religious traditions from ancient Mesopotamia, Egypt, Israel, and Canaan. In particular, it focuses on how these traditions contribute to long-standing issues in philosophy of religion, such as “What is the nature of divinity?,” “What does it mean for humans to be religious?” “How is evil and suffering explained?,” and “What are the philosophical origins and implications of monotheism?” Prerequisite: BITH 211 or 221 or 312, or ARCH 211.
Tags: LE, PI
ARCH 411. Advanced Archaeological Study. (4 Credits)
A concentrated analysis of one particular aspect of biblical archaeology or ancient Near Eastern studies.
ARCH 412. Advanced Archaeological Study. (2 Credits)
A concentrated analysis of one particular aspect of biblical archaeology or ancient Near Eastern studies.
ARCH 415. Ugaritic Language and Literature. (4 Credits)
See ARCH 515.
ARCH 416. Classical Hebrew Inscriptions. (4 Credits)
This course is designed to introduce students to Classical Hebrew and Canaanite sources (inscriptions) for the history of the land of Canaan during the Old Testament period. In addition to mastering the grammar of the primary sources, students will be exposed to questions about the mechanics of writing, will explore the ancient social and cultural contexts of Canaan, and will specifically engage in discussions about the origins, nature, extent and purposes of literacy during this period. Prerequisite: HEBR 301. Cross-listed with ARCH 516.
Tags: HP, SI
ARCH 417. Egyptian Hieroglyphics. (4 Credits)
An introduction to Middle Egyptian which involves learning how to read and translate texts.
ARCH 418. Akkadian Cuneiform. (2 or 4 Credits)
An introduction to cuneiform which leads students through the techniques for transcription, transliteration, and translation of Assyrian or Babylonian literature.
ARCH 452. Jewish Backgrounds of the New Testament. (2 Credits)
See BITH 552.

ARCH 453. Advanced Archaeology and the Old Testament. (4 Credits)
See ARCH 521.

ARCH 494. Senior Seminar. (2 Credits)
A capstone seminar devoted to exploring the current issues in Near Eastern archaeology that relate to biblical studies, especially those touching on historiography, historicity, social and cultural backgrounds, methodology, and faith. Prerequisite: ARCH 412.

ARCH 495. Independent Study. (1 to 4 Credits)
Independent study of selected problems for the advanced student.

ARCH 515. Ugaritic Language and Literature. (4 Credits)
This course introduces students to the language, literature, and culture from the ancient city-state of Ugarit. It is designed to teach students essential morphology and syntax of the Ugaritic prose and poetic texts, to orientate students to the discipline of Ugaritology, and to facilitate a better understanding of the Old Testament through the study of its linguistic and cultural context. Prerequisite: HEBR 301 or permission of instructor.

ARCH 516. Classical Hebrew Inscriptions. (4 Credits)
See ARCH 416.

ARCH 517. Egyptian Hieroglyphics. (4 Credits)
An introduction to Middle Egyptian which involves learning how to read and translate texts.

ARCH 518. Akkadian Cuneiform. (2 or 4 Credits)
An introduction to cuneiform which leads students through the techniques for transcription, transliteration, and translation of Assyrian or Babylonian literature.

ARCH 521. Advanced Archaeology and the Old Testament. (4 Credits)
A study of ancient Near Eastern archaeological methods and materials and their relationship to the historical, social, and religious settings of the Old Testament, with special emphasis on Israel's early history and the monarchical periods.

ARCH 525. Archaeological Field Work. (8 Credits)
Field experience involving excavation, interpretation, and studies in related regional archaeology.

ARCH 526. Method & Theory. (2 Credits)
A basic examination of the field of archaeology and how the history of the field affects current practice. Graded pass/fail unless petitioned for a grade.

ARCH 534. Historical Geography. (2 Credits)
A study of selected biblical episodes which are enriched when understood in the context of Near Eastern history and Palestinian geography. Prerequisite: BITH 211 or 221 or 312, or ARCH 211.

ARCH 545. Archaeology of the Classical World. (2 Credits)
Excavations, monuments, epigraphic materials, and papyri from the Minoan, Mycenaean, Aegean, and Greco-Roman times.

ARCH 552. Jewish Backgrounds of the New Testament. (2 Credits)
A study of the history, literature, and thought within Judaism in the Persian and Hellenistic periods. In providing an important backdrop to the understanding and interpretation of the New Testament, emphasis will fall on the political and economic forces at work in Palestine, as well as the religious ideas and practices.

ARCH 554. Topics in Archaeology. (2 or 4 Credits)
Separate courses devoted to specialized topics in archaeology.

ARCH 565. Statecraft and International Relations in the Ancient Near East. (4 Credits)
See ARCH 365.

ARCH 569. Religion of Israel and ANE. (4 Credits)
See ARCH 369.

ARCH 594. Seminar: Current Issues. (2 Credits)
A seminar devoted to exploring the current issues in Near Eastern archaeology that relate to biblical studies, especially those touching on historiography, historicity, social and cultural backgrounds, methodology, and faith.

ARCH 695. Independent Study. (2 or 4 Credits)
Independent Study
ART (ART)

ART 101. Art Survey. (2 Credits)
Critical survey of the visual arts that equips students to navigate their visual age. Depending on the instructor, this course could be taught with a historical or thematical/material focus, but all versions of Art Survey entail an investigation into visual modes of thought with examples from history and the present. Art majors are expected to take ART 251 and 351 (studio art and art history concentrations) or ART 352 (community art concentration) in place of this course. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPAV.
Tags: VPAV

ART 102. Issues In Art. (2 Credits)
An introduction to the language and technology of digital media that entails an investigation into visual modes of thought with examples from history and the present. Art majors are expected to take ART 251 and 351 (studio art and art history concentrations) or ART 352 (community art concentration) in place of this course. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPAV.
Tags: VPAV

ART 211. Painting I. (3 Credits)
Introduction to Painting: concepts and techniques. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPAV.
Tags: VPAV

ART 213. Printmaking I. (3 Credits)
Studio in making prints: relief printing, intaglio, and lithography. Study of skills and techniques, and appreciation of the aesthetic qualities of the print.

ART 216. Philosophy Of the Arts. (2 Credits)
Examines philosophical issues in the arts, such as the nature of creativity, the categories of “art” versus “non-art” and “high” versus “low” art, the responsibility of the artist to the community, the role of art in society, and the relationships between art and religion.

ART 221. Taking Pictures. (3 Credits)
A basic introduction to photography using simple digital cameras. Students will make pictures in response to visual images and art objects from art history and different cultural contexts. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPAV.
Tags: VPAV

ART 231. Sculpture I. (3 Credits)
A basic introduction to sculptural practice, concepts and techniques. Students create work in response to historical and contemporary artworks and consider a theological approach to the creative process. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPAV.
Tags: VPAV

ART 232. Drawing I. (3 Credits)
Exercises in basic drawing techniques using various media. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPAV.
Tags: VPAV

ART 233. Creativity & Design. (3 Credits)
An exploration of the creative process and basic principles of visual organization.

ART 234. Digital Studio. (3 Credits)
An introduction to the language and technology of digital media that combines history, theory, and practice to explore the intersection of art and technology.

ART 241. Sophomore Cornerstone. (2 Credits)
A discussion of art and artists, theological views of artistry, and art theory in the 20th and 21st centuries. These are examined in light of various traditional Christian views of the relationship of the Christian person to culture. We explore how theological and cultural attitudes, along with artistic theories and methods, can shape the form and direction of artistic work. Each student is encouraged to evaluate and develop his/her own method or response to God, the created world, and cultural realities, through artistic means.

ART 251. History of Art & Architecture I. (4 Credits)
Introduction to select periods of art and architecture from cave paintings to the cusp of the modern era (c. 1700), including Ziggurats, Pyramids, Israelite visual culture, Greek and Roman art, Byzantine icons and Gothic Cathedrals, the art of the Renaissance, Reformation and Baroque, with special attention given to the way Non-Western artistic traditions interact with dominant European visual culture. Enrollment priority will be given to Art Majors. Taking ART 351 immediately after this course is recommended (but not required). Offered every Fall semester.
Tags: GP, HP

ART 293. Mentoring Seminar. (1 to 4 Credits)
Faculty and student collaboration on a project of mutual interest. Limited enrollment – faculty approval. May be repeated.

ART 302. The Understanding of Art. (2 Credits)
The origin and development of the fine arts; the functional and aesthetic qualities of art. Only one section of ART 101, 102, or 302 may be taken for credit towards graduation requirements. For transfer and upper division students.

ART 312. Film & Darkroom Photography. (3 Credits)
Basic studies in design and composition, camera operation, technical mastery of black and white film and paper, darkroom procedures. Emphasis on aesthetic and perceptual awareness, visual literacy, proficiency in the use of analog photographic materials and processes. Study of major works and significant photographers. Cameras and basic equipment available for check-out.

ART 313. Printmaking II. (3 Credits)
Advanced study developing skills and techniques in one printing medium. Prerequisite: ART 213.

ART 316. Ceramics I. (3 Credits)
A general introduction to ceramics through hand-building techniques with an emphasis on the vessel as a vehicle to explore issues in contemporary art. Introduction to the technical skills, history, and thought process of working with clay. Historic and contemporary approaches to ceramics are considered as means to develop a personal approach to the material.

ART 318. Graphic Design I. (3 Credits)
Typography; Students will engage the fundamental principles of design in structured and experimental ways. There will be primary focus on typography: its history, organization, and the relationship between the expressive quality of form and the communication of meaning. We will work both with our hands and also in the digital environment, exploring the basic type and layout capabilities the computer affords (Adobe Illustrator and InDesign).

ART 319. Documentary Photography. (3 Credits)
Foundation course using photography as a creative tool for field work and cross-cultural applications. Exploration of contemporary theory and practices.
ART 211 or 213. Minoan, Mycenaean, Aegean, and Greco-Roman times. Prerequisite: Excavations, monuments, epigraphic materials, and papyri from the ART 345. Archaeology of the Classical World. (2 Credits)
Continuation of Sculpture I. Exploration of more contemporary issues in ART 339. Sculpture II. (3 Credits)
Goal of developing a personal palette of glazes. Prerequisite: ART 316.

placed on the potter's wheel. Introduction to glaze chemistry, with the Continuation of skills and issues introduced in Ceramics I, with emphasis ART 318. but also interactive and engaging new and open source applications. Prerequisite: ART 318 or consent of instructor.

ART 323. Figure Drawing. (3 Credits)
Life drawing. Prerequisite: ART 232.

ART 324. Digital Photography II. (3 Credits)
Continuation of ART 383. Photography explored creatively, informed by contemporary artistic concepts and methods. Students may explore documentary, artistic, and/or commercial practices, studio portrait lighting, animated 'moving' images, entrepreneurial possibilities. Prerequisite: ART 319 or 383 or consent of instructor.

ART 325. Cinema. (4 Credits)
A study of the cinematic arts from its invention to current times. The focus will be on the critical film theory and aesthetic, technological, historical progression of the world cinema.

ART 326. Digital Filmmaking I. (3 Credits)
Digital Filmmaking shows the trace of motion picture history as well as the trajectory of future cinema. Students confront issues of style and meaning while working on visual expression of radical imagination.

ART 327. Painting II. (3 Credits)
An introduction to historical resources and theoretical underpinnings for the development of abstract paintings. Prerequisite: ART 211 or consent of instructor.

ART 328. Advanced Digital Studio. (3 Credits)
(Formerly Web Site Design); Students will create and design content for the digital and web environment. Projects will be at times linear/narrative, but also interactive and engaging new and open source applications. Prerequisite: ART 318 or consent of instructor

ART 329. Community Art. (3 Credits)
History and theories of community-based public art. Practical experience researching and initiating a community-based public art project.

ART 332. Graphic Design II. (3 Credits)
Visual Systems; Students will integrate typography and imagery in more complex systems and programs, with additional focus on Information design, publication design, and an introduction to motion sequences. We will also read and discuss writings of historical significance to the field. Prerequisite: ART 318.

ART 336. Ceramics II. (3 Credits)
Continuation of skills and issues introduced in Ceramics I, with emphasis placed on the potter's wheel. Introduction to glaze chemistry, with the goal of developing a personal palette of glazes. Prerequisite: ART 316.

ART 339. Sculpture II. (3 Credits)
Continuation of Sculpture I. Exploration of more contemporary issues in sculpture. Prerequisite: ART 231.

ART 345. Archaeology of the Classical World. (2 Credits)
Excavations, monuments, epigraphic materials, and papyri from the Minoan, Mycenaean, Aegean, and Greco-Roman times. Prerequisite: ARCH 211 or 213.

ART 347. Advanced Digital Studio. (3 Credits)
Exploration of the visual theology of Early Christian art and architecture, focusing its development in Constantinople alongside the Celtic and Carolingian culture of the medieval West, and concluding in the artistic maturity of both these civilizations: Romanesque and Gothic in the West and Byzantine art in the East. Alternate years in Fall semester. Enrollment priority given to Art History majors. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPA.

ART 350. HISTORY OF ART & ARCHITECTURE I. (4 Credits)
An introduction to historical resources and theoretical underpinnings for the development of abstract paintings. This course offers an introduction to art and architecture from the eighteenth to the twenty-first centuries primarily in Europe and North America, with special attention given to the city of Chicago and diverse American artistic voices. Movements explored include Rococo, Neo-Classicism, Romanticism, Realism, Medieval revivals, Impressionism, Modernism, Pop, Conceptual, and especially the art of minority communities. Enrollment priority will be given to Art majors. Taking ART 251 immediately before this course is recommended. Offered every Spring semester. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPA.

ART 351. History of Art & Architecture II. (4 Credits)
This course offers an introduction to art and architecture from the eighteenth to the twenty-first centuries primarily in Europe and North America, with special attention given to the city of Chicago and diverse American artistic voices. Movements explored include Rococo, Neo-Classicism, Romanticism, Realism, Medieval revivals, Impressionism, Modernism, Pop, Conceptual, and especially the art of minority communities. Enrollment priority will be given to Art majors. Taking ART 251 immediately before this course is recommended. Offered every Spring semester. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPA.

ART 352. Medieval & Byzantine Art. (4 Credits)
Exploration of the visual theology of Early Christian art and architecture, following its development in Constantinople alongside the Celtic and Carolingian culture of the medieval West, and concluding in the artistic maturity of both these civilizations: Romanesque and Gothic in the West and Byzantine art in the East. Alternate years in Fall semester. Enrollment priority given to Art History majors. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPA.

ART 353. Renaissance and Reformation Art. (4 Credits)
Exploration of art and architecture from the fourteenth to the sixteenth centuries, in Late Byzantine, Italian and Northern European contexts, including the impact of Protestantism. Artists examined include Cimabue, Giotto, Duccio, Masaccio, Fra Angelico, Raphael, Michelangelo, Bellini, Titian, Van Eyck, Van der Weyden, Dürer, Cranach, Holbein, Bruegel, and many others. Special attention is given to the way the Protestant Reformation conflicted with and was propagated by artistic production. Alternate years in Spring semester. Enrollment priority given to Art History majors. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPA.

ART 354. History of Art & Architecture I. (4 Credits)
This course offers an introduction to art and architecture from the eighteenth to the twenty-first centuries primarily in Europe and North America, with special attention given to the city of Chicago and diverse American artistic voices. Movements explored include Rococo, Neo-Classicism, Romanticism, Realism, Medieval revivals, Impressionism, Modernism, Pop, Conceptual, and especially the art of minority communities. Enrollment priority will be given to Art majors. Taking ART 251 immediately before this course is recommended. Offered every Spring semester. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPA.

ART 355. Studies in Studio Art. (2 or 3 Credits)
Selected specialized areas of studio art as announced.

ART 381. New Media Art & Criticism. (3 Credits)
A workshop exploring the aesthetics of new screen media and digital interfaces. Assignments and projects will explore digital convergence, digital interactivity, digital spaces, digital temporalities, and digital narratives. Prequisite: ART 318 or 326 or 383 or 382. Also, by consent of instructor.

ART 382. Art & Technology. (3 Credits)
A workshop exploring some of the issues at the interface between the creative process and the possibilities offered by technological efficiencies. The course will engage a variety of theoretical models while students complete projects with digital video.

ART 383. Digital Photography I. (3 Credits)
Basic studies in design and composition, camera operation, applicable technologies, visual literacy. Introduction to Adobe Lightroom, Photoshop, and related software. Emphasis on developing creative personal practices informed by art history and contemporary visual culture. Study of relevant works and significant artists. Cameras and basic equipment available for check-out. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPA.

ART 384. Advanced Drawing. (3 Credits)
Advanced studies in drawing. Prerequisite: ART 323.
ART 425. Advanced Studio III. (3 Credits)
Advanced students (level #3 studios) in all media and studio disciplines meet together to define, evaluate, and encourage personal artistic development. Class sessions center on discussion of student projects. Discussion is organized around seminal readings that challenge status quo assumptions, provoke creative art-making, and inspire commitment to ongoing artistic explorations.

ART 426. Digital Filmmaking II. (3 Credits)
Advanced studies in digital filmmaking.

ART 429. Community Art II. (3 Credits)
A course on the streets of Chicago in which we survey twenty community arts organizations across the city. Site visits and case studies are the sole contents of the course. Intended for Art majors with a concentration in Community Art in the spring semester of their junior year. Prerequisite: ART 329.

ART 471. Studies in Art History. (4 Credits)
In-depth study of some aspect of art history or art historical methodology. Not offered at this time. Alternate years.

ART 491. Art History Capstone. (2 Credits)
Drawing on their entire liberal arts education, students will develop an expansive understanding of the liberal arts, asking how art history fits into it, or how it does not, including vocational reflections. A behind the scenes tour of the history of the discipline will culminate in a "Tour de Tout" (tour of everything) public tour of the architecture of Chicago and the entire collection of the Art Institute, led by students and open to the general public.

ART 492. Internship: Community Art Capstone. (3 Credits)
An internship is an agreement to work within an arts-based organization in a role as prescribed by the organization. Internship service may be paid or unpaid, is chosen at students’ discretion, but subject to advisor/department approval. Advisor will guide students through internship selection process. Internships are a launch platform for community art senior projects and should be chosen in regards to students’ vocational goals. Prerequisite: ART 329, junior standing, 12 hours logged in major.

ART 493. Mentoring Seminar. (1 to 4 Credits)
Faculty and student collaboration on a project of mutual interest. Limited enrollment – faculty approval needed. May be repeated. Junior or Senior standing required.

ART 494. Senior Capstone. (2 Credits)
494-1. (Section 1) "Senior Capstone for Art History Concentration". Exploration of the methodology of art history and the development of the discipline, including Classical precedents, Byzantine icon theology, Renaissance Neo-Platonism, German developments, Hegel, Marx, Feminism, Deconstruction and the "religious turn." Alternate years in the Fall only.; 494-2. (Section 2) "Senior Capstone for Community Art Concentration". Typically offered in the Fall only. Capstone for legacy gen ed students.; 494-3 (Section 3) "Senior Capstone for Studio Art Concentration". Typically offered in the Fall only. In this course, students recollect who they are as artists and what they are making. They develop a personal and artistic mission and goals, design and construct a physical portfolio object, and create other appropriate presences including resume, business card, website, e-book, etc. In addition, there will be discussions of select readings, technical workshops, and guest presenters.

ART 495. Independent Projects. (1 to 4 Credits)
Independent work in a selected field of art. Prerequisite: Consent of instructor.

ART 496. Internship. (2 to 8 Credits)
Art Department approval. Graded pass/fail. Prerequisite: junior or senior standing with Art major. (2, 4, or 8 credits)

ART 497. Exhibition Practicum. (2 Credits)
Group practicum focused on the meaning, development, preparation, and production of senior show exhibitions. To be taken during spring semester of senior year. Prerequisite: successful participation in the Junior Critique process.

ART 498. Honors Tutorial. (2 to 4 Credits)
Reading and research on an art historical topic of their choosing. Students will work with professor to conceive a project and solicit two outside readers who are professors from other departments with related expertise. Prerequisites: An “A” in all upper level art history courses taken, admission to Department Honors program, senior standing.

ART 499. Honors Thesis. (2 to 4 Credits)
Preparation of senior honors thesis. Not applicable to major requirements. Prerequisite: ART 498.
ASTRONOMY (ASTR)

ASTR 304. Global History of Cosmology. (4 Credits)
Study of the historical development of cosmology in ancient Egypt, Mesopotamia, India, Greece, Asia, and the Americas through contemporary developments. Cultural and religious interactions with developments in cosmology are emphasized. Prerequisite: a Scientific Practice (SP) course.
Tags: GP, SIP

ASTR 305. Astronomy. (4 Credits)
An introduction to the study of the universe. Topics include the solar system, the formation and evolution of stars and the structure, evolution and origin of the universe. Special attention will be given to the social, historical, philosophical and theological context of astronomical discoveries and controversies.
Tags: SIP
BIBLE/THEOLOGY (BITH)

BITH 211. Old Testament Literature and Interpretation. (4 Credits)
Equips students to understand the Old Testament as literature in its ancient historical context and to relate the message of the Old Testament to the contemporary world. Courses in this area will introduce students to the historical and geographical setting, cultural context, and transmission of the Old Testament. Courses will also facilitate direct engagement with the OT book-by-book, with special emphasis given to questions of genre, literary structure, and theology. This course will enable students to describe and evaluate approaches to biblical interpretation, and will encourage students to embrace the teaching of the OT as part of the Christian Bible.

General Education: SHAR

BITH 213. New Testament Literature and Interpretation. (4 Credits)
An overview of the New Testament, tracing its teaching with respect to historical background and literary character.

General Education: SHAR

BITH 221. Old Testament Literature in Three Traditions. (4 Credits)
An overview of the redemptive narrative of the Hebrew Bible/old Testament emphasizing its message and themes with respect to historical background and literary character, and exploring its place in the three monotheistic religions tracing their origins to Abraham—Judaism, Christianity and Islam. Meets General Education requirement in Old Testament.

General Education: SHAR

BITH 311. Archaeology of Biblical Lands. (4 Credits)
A survey of archaeological and historical materials of Biblical Lands from prehistoric times through the Iron Age. Special attention is given to understanding the material culture of each period and the interface of biblical sources with these periods where appropriate. Four hours lecture, two hours laboratory. Prerequisite: ARCH 211.

Tags: HP, SI

BITH 312. Old Testament in the Holy Lands. (4 Credits)
A study of the Old Testament integrated with field studies designed to introduce the student to the historical, geographical, and cultural settings of the Old Testament in locations where the events recorded occurred.

General Education: SHAR

BITH 315. Christian Thought. (4 Credits)
An investigation into the basic beliefs of the Christian faith. Prerequisites: BITH 211 or 221 or ARCH 211; or BITH 213 or ARCH 213 or BITH 317. Philosophy majors are encouraged to take BITH 374 instead of this course.

General Education: SHAR

A study of the New Testament integrated with field studies designed to introduce the student to the historical, geographical, cultural, and religious settings of the New Testament in locations where the events recorded occurred and were composed. This is a Wheaton in the Holy Lands/Shared Core course.

General Education: SHAR

BITH 318. Christian Theology in the Holy Lands. (4 Credits)
An exploration of the core beliefs of the Christian faith with special emphasis on the role of the ancient church in its historical contexts in the development of Christian thought and practice. This is a Wheaton in the Holy Lands/Shared Core Course. Prerequisites: BITH 211 or ARCH 211 or BITH 221; and BITH 213 or ARCH 213. Corequisite: BITH 317.

General Education: SHAR

BITH 319. Colonialism and Redemption: Native American Culture and Theology from 1492 to Wounded Knee. (2 Credits)
An interdisciplinary course designed to explore the Native American experience through the lens of historical anthropology and theology. The course explores the experience and perspectives of the Native inhabitants of "Turtle Island" from the beginning of the colonial era up to the present day. The course also examines the role of Scripture, theology, and the Church during the time of European expansion across North America and the current relationship between First Nations peoples and Christianity, including developments in Native Christian theology. Meetings with Native Americans are part of the course. The themes of "colonialism" and "redemption" will bind together this theological, anthropological, and personal exploration.

BITH 322. Theology and the Arts. (4 Credits)
This course explores the relationship between Christian theology and the arts in order to cultivate a theological vision for the arts that considers both how the particular claims of the Christian faith inform our understanding of the arts and how the arts contribute to the shaping of our faith. Topics will include the arts in Scripture, church history, and theological reflection. Questions to be considered include the relationship between divine creation and human creativity, how the incarnation of Christ transforms our understanding of artistic activity, and how humanity may be inspired to glorify God through the arts. Depending upon the particular version of the course, examples of the arts to be assessed include visual art, music, theater, film, dance, sculpture, and architecture.

Tags: VPA

BITH 323. Literature of the Bible. (4 Credits)
The literary forms and meaning of biblical literature.

BITH 325. Biblical Interpretation and Hermeneutics. (4 Credits)
A survey of hermeneutical theory discussing past and current views of how author, text, reader, and context contribute to the communication of textual meaning. These insights will be applied to the Bible, giving the student an interpretive strategy for exegeting the biblical text and appropriating it for the contemporary church, as well as an approach to synthesizing one’s interpretive work in formulating biblical-theological themes. Basic approaches for doing biblical theology and theological interpretation will be summarized and illustrated. The course is open to non-majors and is a prerequisite for all 400 level Biblical Studies courses. Prerequisite: BITH 211 or 221 or 312, or ARCH 211; or BITH 213 or 317, or ARCH 213.

BITH 326. Biblical Foundations of Worship. (4 Credits)
An examination of worship in the Bible, both Old and New Testament, with a view to developing a theology of worship that is consistent with the teachings of Scripture. Special attention will be given to the role of sign and symbol and the place of visual arts in Christian worship. The course will also explore the interface between the discipline of Positive Psychology and Christian religious belief and practice, especially as it relates to worship and spiritual formation. Undergraduate students, Prerequisite: BITH 211 or 221 or 312, or ARCH 211; or BITH 213 or 317, or ARCH 213.

Tags: SI, VPAV

BITH 327. Reading Scripture with the Church Fathers. (2 Credits)
A study of the reception, transmission, and interpretation of Scripture within the early church (2nd to 6th centuries). Emphasis will be placed on the historical context of patristic exegesis, the relationship between scripture and tradition, and questions of hermeneutics. Prerequisite: BITH 211 or 221 or 312, or ARCH 211; or BITH 213 or 317, or ARCH 213.
BITH 332. Ruth & Esther. (4 Credits)
A detailed study of the books of Ruth and Esther, giving special attention to historical background, literary analysis, theological emphases, ancient and traditional Jewish and Christian interpretations, recent ideological interpretations, and contemporary application. Prerequisite: BITH 211 or 221 or BITH 312, or ARCH 211. This course counts towards the Gender Studies Certificate Program.

Tags: LE

BITH 333. Historical Geography and Context in the Holy Lands. (4 Credits)
Surveys the geographical, historical, religious and archaeological material of biblical Israel and Second Temple Judaism as well as the earliest Christian communities in the Greco-Roman world. Classroom lectures are supplemented by regional studies with overnight field studies, on-site lectures and relevant preparation (map work, biblical readings, etc.). Attention is given to (1) key OT and NT historical events and their geographical location, especially in Jerusalem, Galilee, the Shephelah, Jordan Valley, Negev, and the Dead Sea region, and (2) key NT historical events and their geographical location, especially in Italy (Rome), Greece (e.g., Philippi, Delphi, Thessalonica, Corinth, Athens), and modern Turkey (e.g., Ephesus, Istanbul, Pergamum, Smyrna, Laodicea). Su only.

Tags: HP

BITH 334. Historical Geography. (2 Credits)
A study of selected biblical episodes which are enriched when understood in the context of Near Eastern history and Palestinian geography. Prerequisite: BITH 211 or 221 or 312, or ARCH 211.

BITH 335. Old Testament Topics. (4 Credits)
Study of an Old Testament portion or theme. Course may be repeated for different topics. Prerequisite: BITH 211 or BITH 221 or BITH 312 or ARCH 211.

BITH 337. Early Christian Integration Seminar. (2 Credits)
A study of early Christianity as it relates to contemporary issues. This course is required for the Certificate in Early Christian Studies. Prerequisite: BITH 315, 318, 372, 374, or 376.

BITH 338. Genesis 1-11. (2 Credits)
A study of the foundational chapters for the Old and New Testaments. The central themes of creation, God, humanity, the fall, redemption, judgment, and covenant will be investigated in detail. Prerequisite: BITH 211 or 221 or 312, or ARCH 211.

BITH 339. Topics in Perennial Theological Questions. (4 Credits)
This course is an in-depth philosophical study of a particular doctrine, figure, or topic. This course may be repeated for different topics.

Tags: PI

BITH 341. Exodus. (2 Credits)
The exodus event is as central to OT theology as the death and resurrection of Jesus Christ to NT theology. The historical and theological implications of this book will be examined, with special emphasis given to the covenant between God and Israel. Prerequisite: BITH 211 or 221 or 312, or ARCH 211.

BITH 342. Majority World Theology. (4 Credits)
Readings and discussions on the task of biblical interpretation and theological reflection in the context of World Christianity. The course will focus on emerging theological trends in one region, such as Latin America, but will also survey contemporary developments in other regions: Africa, Asia and Latin America. The topics covered will include Majority World hermeneutics, comparative analysis with Western biblical and theological traditions, and an introduction to parallel trends in North America like Latino/a, African American, Asian American, or Native American Christian theologies. Prerequisites: BITH 211 and 213 or BITH 315 or 318 or 374.

Tags: GP

BITH 343. The Old Testament in its Cultural Environment. (2 Credits)
An introduction to background and comparative studies in order to understand the impact that the literature and thinking of the ancient world had on the Israelites and on biblical literature. The course will focus on methodology and will consider both similarities and differences that emerge as the cultures and literatures are compared. Prerequisite: BITH 211 or 221 or 312, or ARCH 211.

BITH 344. The Psalms: Songs of Israel and the Church. (2 Credits)
A study of the book of Psalms in light of both the type and content of individual psalms and the organization of the Psalter as a book in the social and cultural life of Israel. Attention will be given to how the book of Psalms guides individuals and communities in their worship of God, while also imparting its own theological methods for God's people. Prerequisite: BITH 211 or 221 or 312, or ARCH 211.

BITH 345. Life of David. (2 Credits)
A study of the life and thought of David as found in the Books of Samuel and Psalms with an emphasis on 'spiritual theology'. Prerequisite: BITH 211 or 221 or 312, or ARCH 211.

BITH 349. Old Testament Topics. (2 Credits)
Study of an Old Testament portion or theme. Course may be repeated for different topics. Prerequisite: BITH 211 or 221 or 312, or ARCH 211.

BITH 351. Jesus Of Nazareth. (4 Credits)
A thorough study of Jesus' life and teaching. Primary attention will be given to reconstructing the first-century historical and cultural setting of Judaism that shaped Jesus' message. Additional emphasis on developments within current "Jesus research" and assessment of the results of critical scholarship. Prerequisite: BITH 213 or 317, or ARCH 213.

Tags: HP

BITH 352. Paul Of Tarsus. (2 or 4 Credits)
A study of the life and thought of Paul as found in the book of Acts and in Paul's New Testament letters. The course will synthesize the major categories of Pauline thought and emphasize their value for faith today. Prerequisite: BITH 213 or 317, or ARCH 213.

BITH 353. New Testament Topics. (4 Credits)
Study of a New Testament portion or theme. Course may be repeated for different topics. Prerequisite: BITH 213 or 317, or ARCH 213.
BITH 354. Women in the World of the NT. (2 Credits)
This course will examine women’s lives and the concept of female in the New Testament and the wider Greco-Roman world, including Second Temple Judaism, by studying the biblical text, literary sources and archaeological evidence. This course will explore New Testament women’s participation in and contributions to the Christian story in the first century, and discuss women’s participation in leadership in the church today. General pictures of women’s lives in Judaism and the Greco-Roman world will supplement the portrait of early Christian women. Prerequisite: BITH 213 or 317, or ARCH 213.

BITH 355. Theology of the Promised Land. (2 Credits)
An integrative course studying the theological motif of the Promised Land in the Bible. This course will explore the theology of the Land as interpreted within Judaism and Christianity over the last two millennia. Prerequisites: An integrative course studying the theological motif of the Promised Land in the Bible. This course will explore the theology of the Land as interpreted within Judaism and Christianity over the last two millennia. Prerequisites: BITH 211 or 221 or 312, or ARCH 211; and BITH 213 or 317, or ART 213.

BITH 356. I Corinthians. (2 or 4 Credits)
A section-by-section survey of 1 Corinthians dealing with the issues of the nature of the Church, Christian behavior and social responsibility, sexuality, marriage and divorce, Christian worship, the spiritual gifts, and the resurrection. Prerequisite: BITH 213 or 317, or ARCH 213.

BITH 358. Acts of the Apostles. (2 or 4 Credits)
A study of the Book of Acts focused on the geographic and ethnic spread of the gospel, the birth and development of the apostolic church, the gospel’s relationship to the Jewish and wider Greco-Roman social worlds, and the theology of Acts. Prerequisite: BITH 213 or 317, or ARCH 213.

BITH 359. New Testament Topics. (2 Credits)
Study of a New Testament portion or theme. Course may be repeated for different topics. Prerequisite: BITH 213 or 317, or ARCH 213.

BITH 361. Advanced Koine Reading. (2 or 4 Credits)
See crosslist GREK 334, 335, 336.

BITH 362. James. (2 Credits)
An exposition of the text of the Epistle of James, focusing on the church situations that prompted the teaching of the various themes it contains, and their correlation to corresponding New Testament motifs. Prerequisite: BITH 213 or 317, or ARCH 213.

BITH 363. The Letter to the Romans. (4 Credits)
A close analysis of Paul’s theological argument in the book of Romans with special attention to themes that integrate broadly with the humanities. Prerequisite: BITH 213 or 317, or ARCH 213.

BITH 364. Peter And Jude. (2 Credits)
Exercise in the interpretation of letter genre, by application to portions of 1 Peter, 2 Peter, and Jude. Students use a prescribed method and scholarly resources for productive class discussions. Attention is given to sociological exegesis. Prerequisite: BITH 213 or 317, or ARCH 213.

BITH 365. Prison Epistles. (2 or 4 Credits)
Analysis of Colossians, Ephesians, Philippians, and Philemon, all written while the author was in chains. Attention will focus on the light these letters throw on Paul’s life and thought, as well as on the abiding challenge of their message. Prerequisite: BITH 213 or 317, or ARCH 213.

BITH 366. New Testament Topics in Historical Perspectives. (4 Credits)
The writings of the New Testaments are principle sources for understanding the early history of Christianity. Their authors interacted with the historical and cultural developments within first century Roman societies and the first readers interpreted these writings within the same historical matrix. This course will examine select New Testament writings within first century Mediterranean history and explore their place within wider cultural discussions on historiography during the period. Reading from Greek and Latin literature will be included. Prerequisite: BITH 213 or 317, or ARCH 213.

Tags: HP

BITH 367. Jerusalem, the Holy City. (4 Credits)
Jerusalem’s special place in the biblical tradition is considered through the disciplines of archaeology and history. Special attention is given to the city’s theological significance, as well as its place in the religious traditions and history of the Middle East. Prerequisite: BITH 211 or 221 or 312, or ARCH 211.

BITH 368. The Book of Revelation. (2 Credits)
A chapter-by-chapter analysis of the Book of Revelation with consideration of the major themes, apocalyptic symbolism, theology, prophetic character of the book, and relevance to Christian faith and discipleship. Prerequisite: BITH 213 or 317, or ARCH 213.

BITH 369. Religions of Israel and the Near East. (4 Credits)
This course introduces key theoretical approaches to the study of religion, explores significant literary sources and engages important syntheses of the religious traditions from ancient Mesopotamia, Egypt, Israel, and Canaan. In particular, it focuses on how these traditions contribute to long-standing issues in philosophy of religion, such as “What is the nature of divinity?”, “What does it mean for humans to be religious?”, “How is evil and suffering explained?”, and “What are the philosophical origins and implications of monotheism?” Prerequisite: BITH 211 or 221 or 312, or ARCH 211.

BITH 371. Early Christianity: From Rome to Byzantium. (4 Credits)
A history of Christianity from the first century to the eleventh century. Prerequisite: BITH 211 or 221 or 312, or ARCH 211; or BITH 213 or 317, or ARCH 213.

BITH 372. Historical Theology. (4 Credits)
Historical survey of people and movements which have shaped the faith of the Christian church from post-biblical times to the present. The course is open to non-majors but is not a substitute for BITH 315.

BITH 373. Marriage, Sex and Family in the Christian Tradition. (4 Credits)
An examination of marriage, sexuality, and the family in the Christian tradition in light of scripture, doctrine, and church history. Prerequisite: BITH 315, 318, 372, 374, or 376.

BITH 374. Systematic Theology. (4 Credits)
A critical investigation of Christian doctrine. The course is open only to Biblical and Theological Studies and Philosophy majors. Prerequisites: BITH 211 or 221 or ARCH 211; or BITH 213 or ARCH 213 or BITH 317.

General Education: SHAR

BITH 375. Christian Ethics. (4 Credits)
An investigation into Christian ethical traditions, its biblical and theological dimensions, the development of Christian character, and the task of bringing Christian convictions to bear on ethical issues. Prerequisite: BITH 315, 318, 372, 374, or 376.
BITH 376. Theologies of Transformation. (4 Credits)
An investigation into the basic beliefs of the Christian faith, with special attention to their implications in the urban context, and the relationship between church and world. Fulfills the Christian Theology general education requirement. Only offered as part of Wheaton in Chicago. Prerequisites: BITH 211 or 221 or ARCH 211; OR BITH 213 or ARCH 213 or BITH 317.

General Education: SHAR

BITH 377. Topics in Christian Thought. (2 Credits)
This course is an in-depth treatment of some theological category (doctrine, figure or topic) or the application of Christian thought to contemporary issues. This course may be repeated for different topics. Prerequisite: BITH 315, 318, 372, 374, or 376.

BITH 381. Topics in Spiritual Classics. (2 Credits)
This course is an in-depth study of one or more spiritual classics from the Christian tradition. The text(s) will vary according to instructor's choice. May be repeated for different topics.

BITH 382. Church. (2 Credits)
A study of the doctrine of the church, attending to traditional and contemporary debates and formulations. Prerequisite: BITH 315, 318, 372, 374 or 376.

BITH 383. Gender and Theology. (2 Credits)
A theological examination of the representation of women and gender in Christianity. Attention is given to the historical and cultural contexts of the first century and contemporary period. Theological, historical, literary, exegetical, and feminist methods are variously employed. Prerequisite: BITH 315, 318, 372, 374, or 376.

BITH 384. Political Theology. (4 Credits)
A study of the theological basis for Christian public engagement, attending to the role of the state, responses to sociopolitical oppression, and the political dimensions of salvation. Prerequisite: BITH 315, 318, 372, 374, or 376.

BITH 385. Triune God. (4 Credits)
An overview of the doctrine of God, with particular attention to the doctrine of the Trinity. Both traditional formulations and contemporary contributions will be discussed. Prerequisite: BITH 315, 318, 372, 374, or 376.

BITH 388. Person and Work of Christ. (4 Credits)
A study of the doctrines of Christ and salvation, with attention to connections between the two. Topics include classic debates and formulations in church history and systematic theology. Prerequisite: BITH 315, 318, 372, 374, or 376.

BITH 389. Holy Spirit and Last Things. (4 Credits)
A study of pneumatology and eschatology, including biblical, historical, doctrinal, and hermeneutical approaches to the doctrines. Prerequisite: BITH 315, 318, 372, 374, or 376.

BITH 392. Scripture. (2 Credits)
A study of the doctrine of Scripture, with attention to evangelical perspectives on the doctrine. Prerequisite: BITH 315, 318, 372, 374 or 376.

BITH 393. Topics in Christian Thought. (4 Credits)
This course is an in-depth treatment of some theological category (doctrine, figure, or topic) or the application of Christian thought to contemporary issues. This course may be repeated for different topics. Prerequisite: BITH 315, 318, 372, 374, or 376.

BITH 394. Topics in Christian History. (4 Credits)
This course is an in-depth study of some phenomenon (figure, event, or time period) from the Christian past. This course may be repeated for different topics.

Tags: HP

BITH 396. Roman Catholic Theology. (4 Credits)
An introduction to Roman Catholic theology and practice. The course will also attend to points of similarity and difference between Roman Catholic and Protestant theology. Prerequisite: BITH 315, 318, 372, 374, or 376.

BITH 398. Eastern Orthodox Theology. (4 Credits)
An introduction to Eastern Orthodox theology and practice. The course will also attend to points of similarity and difference between Eastern Orthodox and Protestant theology. Prerequisite: BITH 315, 318, 372, 374, or 376.

The study of the New Testament in the geographical, historical, religious, and archaeological context of Israel at the time of Christ and the Greco-Roman world of Paul and the early church. Classroom lectures are supplemented by relevant preparation work (mapping, biblical and supplemental readings, etc.) and by regional on-site lectures in Israel (e.g. Jerusalem, Bethlehem, Samaria, Galilee), Greece (e.g., Philippi, Delphi, Thessalonica, Corinth, Athens, Patmos), modern Turkey (e.g. Ephesus, Istanbul, Pergamum, Smyrna, Laodicea), and Rome. *When travel to any site is not an option due to security issues, we will adjust our schedules accordingly. Prerequisites: BITH 211, 213.

BITH 418. Christian Theology in Context in the Holy Lands. (4 Credits)
The study of the Christian theology in the geographical, historical, religious, and archaeological context of Israel at the time of Christ and the Greco-Roman world of Paul and the early church. Classroom lectures are supplemented by relevant preparation work (mapping, biblical and supplemental readings, etc.) and by regional on-site lectures, circumstances permitting, in Israel (e.g, Jerusalem, Bethlehem, Samaria, Galilee), Greece (e.g., Philippi, Delphi, Thessalonica, Corinth, Athens, Patmos), modern Turkey (e.g. Ephesus, Istanbul, Pergamum, Smyrna, Laodicea), and Rome. *When travel to any site is not an option due to security issues, we will adjust our schedules accordingly. Prerequisite BITH 315

BITH 431. Old Testament Criticism. (2 Credits)
A study of the history, method, and results of modern historical-critical approaches to the Old Testament literature. Attention will also be given to a critical assessment of these developments from an evangelical perspective. Prerequisites: BITH 211 or 221 or 312, or ARCH 211; and BITH 325.

BITH 433. Jeremiah. (2 or 4 Credits)
A study of the literary content, theological message and contemporary relevance of the Book of Jeremiah against the background of Jeremiah's historical setting. Prerequisites: BITH 211 or 221 or 312, or ARCH 211; and BITH 325.

BITH 434. Minor Prophets. (2 Credits)
A literary, historical and theological analysis of the Minor Prophets with special attention to contemporary application and connections with the liberal arts. Prerequisites: BITH 211 or 221 or 312, or ARCH 211; and BITH 325.
BITH 438. Wisdom Literature. (2 Credits)
A selection from the Old Testament wisdom books, Job, Proverbs, and Ecclesiastes. The apocryphal books of Jesus ben Sirach and the Wisdom of Solomon may also be read and studied in relation to canonical wisdom. Prerequisites: BITH 211 or 221 or 312, or ARCH 211; and BITH 325.

BITH 443. Hebrew Exegesis. (2 Credits)
Exegesis of books or selected portions of larger books of the Hebrew Old Testament. The focus of the course is to interpret the Hebrew text. The ability to translate the Hebrew text and analyze its syntactical structures is assumed because of the prerequisite. Course may be repeated for different topics. Prerequisites: BITH 211 or 321 or 212, or ARCH 211; and BITH 325 and HEBR 401.

BITH 444. Hebrew Exegesis. (4 Credits)
Exegesis of books or selected portions of larger books of the Hebrew Old Testament. The focus of the course is to interpret the Hebrew text. The ability to translate the Hebrew text and analyze its syntactical structures is assumed because of the prerequisites. Course may be repeated for different topics. Prerequisites: BITH 211, 221 or 312, or ARCH 211, and BITH 325 and HEBR 401.

BITH 448. Old Testament Topics. (4 Credits)
Study of an Old Testament portion or theme. Course may be repeated for different topics. Prerequisites: BITH 211, 221, or 312, or ARCH 211, and BITH 325.

BITH 449. Old Testament Topics. (2 Credits)
Study of an Old Testament portion or theme. Course may be repeated for different topics. Prerequisites: BITH 211 or BITH 221 or ARCH 211 or BITH 312, and BITH 325.

BITH 451. Greek Exegesis. (2 Credits)
Exegesis of books or selected portions of larger books of the Greek New Testament. Capability of translation is assumed because of the prerequisite. The purpose of the course is not to teach Greek grammar but to interpret the New Testament from the Greek text. Course may be repeated for different topics. Prerequisites: BITH 213 or 317 or ARCH 213, BITH 325, and completion of GREK 201 or Greek competency.

BITH 452. New Testament Criticism. (2 Credits)
A study of the history, method, and results of modern historical-critical approaches to the New Testament literature. Attention will also be given to a critical assessment of these developments from an evangelical perspective. Prerequisites: BITH 213 or 317 or ARCH 213, and BITH 325.

BITH 454. Mark. (2 Credits)
A study of the second gospel focusing on Mark’s portrait of Jesus as the catalyst of the Kingdom and as suffering servant. Attention will be given to the relationship between literary forms and religious function in the writing of the gospel. Prerequisites: BITH 213 or ARCH 213, and BITH 325.

BITH 457. John. (4 Credits)
A comprehensive study of John’s gospel. Its insights into personal spirituality, both in the first century and today, will be emphasized in the context of current critical Johannine scholarship. Prerequisites: BITH 213 or 317 or ARCH 213 and BITH 325.

A study of the Book of Acts focused on the geographic and ethnic spread of the gospel, the birth and development of the apostolic church, the gospel’s relationship to the Jewish and wider Greco-Roman social worlds, and the theology of Acts. Prerequisite: BITH 213 or 317 or ARCH 213, and BITH 325.

BITH 459. Greek Exegesis. (4 Credits)
Exegesis of books or selected portions of larger books of the Greek New Testament. Capability of translation is assumed because of the prerequisite. The purpose of the course is not to teach Greek grammar but to interpret the New Testament from the Greek text. Course may be repeated for different topics. Prerequisite: BITH 213 or 317, or ARCH 213, and BITH 325 and completion of GREK 201 or Greek competency.

BITH 462. Pastoral Epistles. (2 Credits)
Careful investigation of 1 and 2 Timothy and Titus. Detailed textual analysis will lead to better understanding of the joys and struggles of Christian leadership under Paul’s direction. Social roles and cultural issues affecting the Church will receive special attention. Prerequisites: BITH 213 or 317 or ARCH 213, and BITH 325.

BITH 468. New Testament Topics. (2 Credits)
Study of a New Testament portion or theme. Course may be repeated for different topics. Prerequisites: BITH 213 or BITH 317 or ARCH 213, and BITH 325.

BITH 469. New Testament Topics. (4 Credits)
Study of a New Testament portion or theme. Course may be repeated for different topics. Prerequisites: BITH 213 or BITH 317 or ARCH 213, and BITH 325.

BITH 482. Advanced Topics in Christian Thought. (4 Credits)
This course is an in-depth treatment of some theological category (doctrine, figure, or topic) or the application of Christian thought to contemporary issues. This course may be repeated for different topics. Prerequisite: BITH 315, 318, 372, 374 or 376.

BITH 483. Augustine. (4 Credits)
A critical analysis of Augustine’s theology in historical context. Prerequisite: BITH 315, 318, 372, 374 or 376.

BITH 484. Thomas Aquinas. (4 Credits)
A critical analysis of Thomas Aquinas’ theology in historical context. Prerequisite: BITH 315, 318, 372, 374 or 376.

BITH 485. Martin Luther. (4 Credits)
A critical analysis of Martin Luther’s theology in historical context. Prerequisite: BITH 315, 318, 372, 374 or 376.

BITH 486. John Calvin. (4 Credits)
A critical analysis of John Calvin’s theology in historical context. Prerequisite: BITH 315, 318, 372, 374 or 376.

BITH 488. Karl Barth. (4 Credits)
A critical analysis of Karl Barth’s theology in historical context. Prerequisite: BITH 315, 318, 372, 374 or 376.

BITH 489. Advanced Topics in Christian Thought. (2 Credits)
This course is an in-depth treatment of some theological category (doctrine, figure, or topic) or the application of Christian thought to contemporary issues. This course may be repeated for different topics. Prerequisite: BITH 315, 318, 372, 374 or 376.

BITH 491. Early Christianity Senior Seminar. (2 Credits)
An advanced seminar for students in the Certificate for Early Christian Studies to be taken during their senior year. This course is required for the Certificate in Early Christian Studies. Prerequisite: BITH 315, 318, 372, 374, or 376.

BITH 494. Senior Seminar. (2 Credits)
An integrative capstone seminar for Biblical and Theological Studies majors to be taken during their senior year. Prerequisites: BITH 325 and BITH 374.
BITH 495. Independent Study. (1 to 4 Credits)
Independent study by qualified students in a special category or topic not offered in a regular course.

BITH 496. Internship. (1 to 4 Credits)
Graded pass/fail. Prerequisite: junior or senior standing with BITH major.

BITH 499. Honors Thesis. (2 or 4 Credits)
By application only.

BITH 502. Hebrew. (4 Credits)
Basic grammar, syntax, and vocabulary with readings from the Old Testament and modern Hebrew authors. Prerequisite: HEBR 101

BITH 503. Language Study I. (2 or 4 Credits)
Graduate-level study of an ancient or modern language in conjunction with a one semester or advanced language course taught at Wheaton College. Requires advisor's approval and permission of instructor.

BITH 504. Language Study II. (2 or 4 Credits)
Graduate-level study of an ancient or modern language in conjunction with a second semester language course taught at Wheaton College. Requires advisor's approval and permission of instructor.

BITH 505. Language Study III. (2 or 4 Credits)
Graduate-level study of an ancient or modern language in conjunction with a one semester or advanced language course taught at Wheaton College. Requires advisor's approval and permission of instructor.

BITH 506. Language Study II. (0 Credits)
Building on BITH 505/GERM 372, this course meets weekly during the subsequent semester for an intensive workshop in reading/translating academic prose (primary sources; scholarly books and articles), with a particular focus on readings in theological disciplines and the humanities. Emphasis on textual analysis, review and expansion of key structures, management of linguistic challenges, and development of global reading skills. Prerequisite: BITH 505/GERM 372 or the equivalent.

BITH 508. Intro to Hebrew Exegesis. (4 Credits)
Hebrew language course designed for MA Biblical Exegesis students. Course will continue to develop student language acquisition through review of grammar and syntax, and through intensive reading of selected biblical texts. Introduction will be given to textual criticism, lexical semantics, and the Masoretic text. Prerequisites: HEBR 301 and HEBR 302.

BITH 509. Introduction to Greek Exegesis. (4 Credits)
Greek language course designed for MA Biblical Exegesis students. Course will continue to develop student language acquisition through review of grammar and syntax, and through intensive reading of selected biblical texts. Introduction will be given to textual criticism, lexical semantics, and modern editions of the Greek NT. Prerequisites: GREK 101 and GREK 102; or the equivalent.

BITH 517. Studies in Biblical Lands. (4 Credits)
A study of cultural, historical, geographical, and theological dimensions of the Old Testament, New Testament, and the Church through classroom lecture and travel to Israel, Greece, Turkey, and Rome. In addition, through contact with leaders and communities of non-western churches, Wheaton in the Holy Lands engages students with issues of the theological development of the Church down through the centuries. Summer only.

BITH 518. Studies in Biblical Lands. (4 Credits)
A study of cultural, historical, geographical, and theological dimensions of the Old Testament, New Testament, and the Church through classroom lecture and travel to Israel, Greece, Turkey, and Rome. In addition, through contact with leaders and communities of non-western churches, Wheaton in the Holy Lands engages students with issues of the theological development of the Church down through the centuries. Summer only.

BITH 521. Theology Of Education. (2 Credits)
An examination of fundamental theological issues underlying education, including the relationship of revelation to other disciplines, the Christian conception of persons and knowing, and the relationship of the Church to culture. Required for the Master of Arts in Teaching degree.

BITH 524. Intro to Hermeneutics. (2 Credits)
A theoretical complement to the methodology courses of BITH 542 and BITH 531. This course situates grammatical-historical biblical exegesis in a Christian hermeneutic, with a view to understanding the supporting rationale, life habits, and the aims of our exegetical practices within our life as God's people. Topics include: the history of hermeneutics; historical and theological approaches to interpretation; World Christian Perspectives; the importance and relations of authors, texts, readers, and divine agency; translation in word and life. This course is a prerequisite for BITH 532, BITH 635, and BITH 646 and a co-requisite for BITH 542 (Old Testament Hermeneutics) and BITH 531 (New Testament Hermeneutics).

BITH 525. Biblical Theology. (4 Credits)
A study of the major theological themes within the Old and New Testaments, based upon the biblical text and the writings of major biblical theologians. The course will also consider the historical development and interrelationship of these themes throughout the successive periods of biblical history.

BITH 526. Biblical Foundations of Worship. (2 Credits)
An examination of worship in the Bible, both Old and New Testament, with a view to developing a theology of worship that is consistent with the teachings of Scripture. Special attention will be given to the role of sign and symbol and the place of visual arts in Christian worship. The course will also explore the interface between the discipline of Positive Psychology and Christian religious belief and practice, especially as it relates to worship and spiritual formation. Undergraduate students. Prerequisite: BITH 211 or 221 or 312, or ARCH 211; or BITH 213 or 317, or ARCH 213.

BITH 528. Introduction to New Testament Exegesis. (2 Credits)
A practical hermeneutics course, orienting students to the principles and praxis of New Testament grammatical-historical exegesis. Focusing on selected Greek texts chosen from various genres, attention will be given to the literary and rhetorical strategies employed by biblical authors to achieve their intended goals. Particular issues to be addressed include textual criticism, lexical and grammatical analysis, compositional style and genre and the broader canonical and historical contexts. This course is a prerequisite for BITH 646 and BITH 532. Prerequisite: Greek language competency.

BITH 531. New Testament Hermeneutics. (2 Credits)
This course will introduce those specific principles, resources, and skills that are necessary for interpreting New Testament texts that are not dependent on a mastery of the biblical languages. Primary attention will be given to genre analysis, socio-cultural worldview, biblical criticism (including issues of authorship and date of composition for individual books), the significance of the history of interpretation and the role of theology in informing interpretation. The focus throughout will be on building methods useful for exegeting the text. Prerequisite: BITH 524 Introduction to Hermeneutics.
BITH 532. Greek Exegesis in the Septuagint. (2 or 4 Credits)
Introduces the Greek Old Testament and modern Septuagintal studies.
Exegesis of selected passages of the Greek Old Testament with special reference to the corresponding passage in the Hebrew text and, when relevant, its use in the New Testament. Prerequisite: BITH 524 and BITH 528, completion of Greek competency and one year of Hebrew or instructor's approval. Counts toward Greek exegesis requirement in Biblical Exegesis program.

BITH 533. Exploring the Old Testament. (4 Credits)
This course explores the Old Testament, with special attention given to the storyline, historical contexts, and genres across all sections of the Old Testament canon with the of mobilizing students to interpret Scripture.

BITH 534. Pentateuch. (4 Credits)
Primeval and patriarchal history. God's sovereign rule as Creator and the choice and development of Israel as his special people. A study of the relationship between law and covenant and of Israel as a worshiping community.

BITH 535. Prophets & Prophecy. (2 Credits)
A study of the phenomenon of prophecy in ancient Israel, in its theological and cultural settings. In addition to the critical issues, the major prophets will be examined and their message and theology studied as part of the mainstream of the prophetic movement.

BITH 536. Old Testament Book Studies from the English Text. (2 or 4 Credits)
Studies of the content, message, and contemporary relevance of selected portions of the Old Testament against the background and the setting of the original writer and recipients.

BITH 537. Old Testament I: Pentateuch & Historical Books. (4 Credits)
A comprehensive study of the first half of the Old Testament, from Genesis through Esther, with special attention given to the place of biblical criticism, cultural backgrounds and biblical theology in scriptural interpretation. This course is only open to students in the MA Biblical Studies program.

BITH 538. Old Testament II: Prophets & Wisdom Books. (4 Credits)
A comprehensive study of the second half of the Old Testament, from Psalms through Malachi, with special attention given to the place of biblical criticism, cultural backgrounds and biblical theology in scriptural interpretation. This course is only open to students in the MA Biblical Studies program.

BITH 539. Ancient Near East Backgrounds of the Old Testament. (2 Credits)
An introduction to background and comparative studies that will focus on methodology and the conceptual world of the ancient Near East. As the cultures and literatures are compared both similarities and differences will emerge and be evaluated for their impact and role in the exegesis of the biblical text.

BITH 540. Old Testament Criticism. (2 Credits)
A study of the history, method, and results of modern historical approaches to the Old Testament literature. Attention will be given to a critical assessment of these developments from an evangelical perspective.

BITH 541. Old Testament Hermeneutics. (2 Credits)
This course will introduce and utilize specific principles, resources, and skills that are necessary for interpreting Old Testament texts but not dependent on a mastery of the biblical languages. Primary attention will be given to genre analysis, socio-cultural worldview, biblical criticism (including issues of authorship and date of composition for individual books), and the theological shape of the Hebrew canon, as well as the potential contribution of these subdisciplines to the exegetical task. Prerequisite: BITH 524 Introduction to Hermeneutics.

BITH 542. New Testament Hermeneutics. (2 Credits)
This course will introduce and utilize specific principles, resources, and skills that are necessary for interpreting Old Testament texts but not dependent on a mastery of the biblical languages. Primary attention will be given to genre analysis, socio-cultural worldview, biblical criticism (including issues of authorship and date of composition for individual books), and the theological shape of the Hebrew canon, as well as the potential contribution of these subdisciplines to the exegetical task. Prerequisite: BITH 524 Introduction to Hermeneutics.

BITH 543. New Testament Criticism. (2 Credits)
A study of the history, method, and results of modern historical-critical approaches to the New Testament literature. Attention will also be given to a critical assessment of these developments from an evangelical perspective.

BITH 544. New Testament I: Jesus & the Gospels. (4 Credits)
The course introduces the student to the life and teachings of Jesus and to the development of the early church, focusing on the four gospels with special attention given to the place of biblical criticism, cultural backgrounds and biblical theology in scriptural interpretation. This course is only open to students in the MA Biblical Studies program.

The course examines the book of Acts, Pauline letters, Catholic epistles and book of Revelation, with special attention given to the place of biblical criticism, cultural backgrounds and biblical theology in scriptural interpretation. This course is only open to students in the MA Biblical Studies program.

BITH 546. New Testament Book Studies from the English Text. (2 or 4 Credits)
The content, message, and contemporary relevance of selected portions of the New Testament against the background and the setting of the original writer and recipients. Logical units of the NT literature.

BITH 547. Life and Teachings of Jesus. (4 Credits)
The events and teachings of Jesus in their contemporary context together with an analysis of current relevant research.

BITH 548. Life and Teachings Of Paul. (4 Credits)
The major aspects of the teachings of Paul in the context of his life and times as reflected in selected parts of his letters and Acts.

BITH 551. Greco-Roman Backgrounds of NT. (2 Credits)
An introductory study of the Greco-Roman world, including its history, society, culture, religion, and literature, in relation to the expansion of early Christianity and the New Testament documents.

BITH 552. Jewish Backgrounds of the New Testament. (2 Credits)
A study of the history, literature, and thought within Judaism in the Persian and Hellenistic periods. In providing an important backdrop to the understanding and interpretation of the New Testament, emphasis will fall on the political and economic forces at work in Palestine, as well as the religious ideas and practices.

BITH 553. New Testament and Early Christian History. (4 Credits)
An investigation of the history, literature, and theology of the New Testament and Christianity prior to A.D. 325.

BITH 554. Topics In Archaeology. (2 or 4 Credits)
Separate courses devoted to specialized topics in archaeology.

BITH 555. Exploring the New Testament. (4 Credits)
The course introduces the student to the life and teachings of Jesus, the development of the early church, Pauline and general letters, and the book of Revelation. The focus is on biblical story and theology, and historical and cultural backgrounds in scriptural interpretation.
BITH 558. Topics in Advanced Biblical and Theological Studies. (2 or 4 Credits)
Separate courses devoted to the study of topics of general interest.

BITH 561. Theological Anthropology. (2 Credits)
A theological examination of the nature of persons with special reference to issues raised by modern philosophy and psychology.

BITH 562. Introduction to Old Testament Exegesis. (2 Credits)
A practical hermeneutics course, orienting students to the principles and praxis of Old Testament exegesis. Focusing on selected Hebrew texts, chosen from various genres, attention will be given to the literary and rhetorical strategies employed by biblical authors to achieve their intended goals. Particular issues to be addressed include textual criticism, lexical and grammatical analysis, compositional style and genre and the broader canonical and historical contexts. Prerequisites: HEBR 301, 302, 401.

BITH 563. Apologetics. (2 Credits)
Survey of the theological resources for meeting contemporary challenges to Christianity, including the problems of secularism, pluralism, evil, and the historicity of Jesus.

BITH 565. Christian Theology. (4 Credits)
An introduction to the methods of systematic theology and the major topics within the biblical revelation. Special attention is given to the rationale for these Christian doctrines, their systematic interconnections as well as their development within the history of Christian thought, and their contemporary challenges.

BITH 566. Foundations for Biblical Interpretation. (4 Credits)
A survey of the principles, methods, and issues of biblical and theological interpretation in the past and present. Intended for students in non-theological disciplines, as well as for those in Biblical and Theological studies who have limited theological preparation.

BITH 567. Theology of the Church. (2 Credits)
A study of the doctrine of the church, attending to traditional and contemporary debates and formulations. Prerequisite: BITH 315, 318, 372, 374 or 376.

BITH 568. Foundations for Biblical Interpretation. (2 Credits)
A survey of the principles, methods, and issues of biblical and theological interpretation in the past and present. Intended for students in non-theological disciplines, as well as for those in Biblical and Theological studies who have limited theological preparation.

BITH 569. Christian Traditions. (4 Credits)
A survey of the major Christian traditions with an emphasis on their theological presuppositions and systematic thought, including the common tradition of the early church, as well as the Orthodox, Catholic, Reformed, and modern Protestant traditions.

BITH 571. Introduction to the History of Christianity. (2 Credits)
A summary introduction to the history of Christianity designed to provide a rapid but comprehensive overview to assist students who seek basic understanding of the history of Christianity as a background for other fields of study. The emphasis is upon succinct summary, and the course will focus on key turning points in Church history from the early church to the twentieth century. Graduate students will attend the same lectures as undergraduates in HIST 305 but receive different syllabi with different levels of required work.

BITH 572. Doctrine of Scripture. (2 or 4 Credits)
See BITH 392.

BITH 573. Scripture and Theology. (4 Credits)
An in-depth examination of the ways in which theologians use Scripture in formulating theological proposals, both with regard to Christian doctrine (theology) and Christian practice (ethics). The course explores the nature of Scripture, the authority of Scripture, and ways in which the work of theology moves "beyond" Scripture in order to respond to the contemporary situation of the church.

BITH 576. History of Christianity to 1900. (4 Credits)
An introduction to the history of Christianity from the age of the apostles through the nineteenth century. The course treats the development of institutions, doctrines, and interactions with culture. It is divided into approximately equal sections on the early church, the church in the middle ages, the era of the reformation, and the period 1600-1900. The course is meant to be a complement of BITH 577, which focuses on the worldwide expansion of Christianity in the last two centuries.

BITH 577. World Christianity. (4 Credits)
A survey of the history of world Christianity since the middle of the nineteenth century. This course includes some background on the earlier missionary expansion of the Church, but its emphasis is on the transition of Christianity from a western to a world religion in the last two centuries.

BITH 581. The Reformation. (4 Credits)
The doctrines and practices of the Reformers (1450-1650) in their political, social, economic, and intellectual contexts. Special attention to Luther, the Reformed (Zwingli and Calvin), Anabaptists, the English Reformation, and the Catholic Reformation.

BITH 585. History of Christianity in North America. (4 Credits)
See HIST 483.

BITH 622. Theological and Religious Issues in Psychotherapy. (2 Credits)
A study of the religious issues that are confronted in psychotherapy, with an emphasis on the practical clinical applications and implications of Christian theology. The role of the psychologist as a healer and minister of grace will be considered, as well as topics such as sin and evil, confession, redemption, forgiveness, and the use of prayer and Scripture. (For Psy.D. students or with permission of instructor and department chair.)

BITH 623. The History of Pastoral Care. (2 Credits)
A survey of the principles and techniques of Christian nurture (the care of souls) from the time of Gregory the Great to the modern church in America. Both primary and secondary sources are read in an effort to understand how the church has ministered to persons with various needs and in varied circumstances. (For Psy.D. students or with permission of instructor and department chair.)

BITH 624. Theological Ethics for Counseling. (2 Credits)
A course designed to explore the biblical and theological foundations for a Christian ethic together with a consideration of the main Christian traditions in ethics. Case study applications will be made to issues in counseling. (For Psy.D. students or with permission of instructor and department chair.)

BITH 626. Majority World Theologies. (4 Credits)
Readings and discussions on the task of Biblical interpretation and theological reflection in the contexts of world Christianity. Prerequisites: BITH 533 and BITH 555.

BITH 631. Intermediate Hebrew. (4 Credits)
A comprehensive study of the basic principles and methods of interpreting the Hebrew Old Testament. Emphasis on reading as a tool to build vocabulary and understanding of Hebrew grammar and syntax. Prerequisite: working knowledge of Hebrew.
BITH 634. Poetic Books. (2 or 4 Credits)
The form and content of Hebrew poetry with its background in ancient Near Eastern literature. An examination of key passages in books such as Psalms, Proverbs, and Job.

BITH 635. Hebrew Exegesis. (4 Credits)
Exegesis of books or selected portions of larger books of the Hebrew Old Testament. Capability of translation is assumed because of the prerequisite. The purpose of the course is not to teach Hebrew grammar, but to interpret the Old Testament from the Hebrew text. Prerequisites: BITH 524, BITH 508 (Introduction to Hebrew Exegesis), BITH 542 (Old Testament Hermeneutics), and HEBR 302 or Hebrew Competency. Repeatable for different topics.

BITH 636. Hebrew Exegesis. (2 Credits)
Exegesis of books or selected portions of larger books of the Hebrew Old Testament. Capability of translation is assumed because of the prerequisite. The purpose of the course is not to teach Hebrew grammar, but to interpret the Old Testament from the Hebrew text. Prerequisites: BITH 524, BITH 508 (Introduction to Hebrew Exegesis), BITH 542 (Old Testament Hermeneutics), and HEBR 302 or Hebrew Competency. Repeatable for different topics.

BITH 638. Old Testament Theology. (4 Credits)
The major teachings of the various parts and the whole of the Old Testament with concentration upon some of the most important themes in an attempt to discover the intention of the biblical writers.

BITH 639. Advanced Old Testament Topics. (2 or 4 Credits)
Separate courses devoted to the study of specialized topics, issues, or areas within the Old Testament field.

BITH 641. Current Issues In OT Studies. (2 Credits)
An examination of recent trends in Old Testament scholarship with special attention paid to significant problem areas. Prerequisite: BITH 541.

BITH 645. Canonical Biblical Interpretation. (4 Credits)
An integrative course that is the capstone of the M.A. in Biblical Exegesis program. The course enables students to solidify their ability to exegete scripture with canonical sensitivity. It also guides the student in integrating a canonical perspective into the exegetical and hermeneutical enterprise, including relating parts of the testaments to one another and to their particular relevant historical backgrounds within a biblical-theological framework. Various texts and themes throughout the OT and NT will form the basis for the semester's work. Four hours to be taken in the student's last spring semester of the program.

BITH 646. Greek Exegesis. (4 Credits)
Exegesis of books or selected portions of larger books of the Greek New Testament. Capability of translation is assumed because of the prerequisite. The purpose of the course is not to teach Greek grammar but to interpret the New Testament from the Greek text. Prerequisite: BITH 524, BITH 509 (Introduction to Greek Exegesis), BITH 531 (New Testament Hermeneutics), and GREK 102 or Greek Competency. Repeatable for different topics.

BITH 647. Greek Exegesis. (2 Credits)
Exegesis of books or selected portions of larger books of the Greek New Testament. Capability of translation is assumed because of the prerequisite. The purpose of the course is not to teach Greek grammar but to interpret the New Testament from the Greek text. Prerequisites: BITH 524, BITH 509 (Introduction to Greek Exegesis), BITH 531 (New Testament Hermeneutics), and GREK 102 or Greek Competency. Repeatable for different topics.

BITH 648. New Testament Theology. (4 Credits)
An investigation of the dominant themes in the New Testament in the light of the cultures in which they were produced and the methods of representative contemporary New Testament theologians.

BITH 649. Advanced New Testament Topics. (2 or 4 Credits)
Separate courses devoted to the study of specialized topics, issues, or areas within the New Testament field.

An examination of recent trends in New Testament scholarship with special attention given to significant problem areas. Prerequisite: BITH 543.

BITH 653. Historical Theology: Patristic. (2 Credits)
An examination of the theological developments from the second through the fifth centuries. Special attention is given to the formation of the ecumenical creeds, developments in the doctrines of the canon, God, Christology, soteriology, ecclesiology, and the sacraments, as well as the nuances differentiating the Orthodox and Roman Catholic traditions.

BITH 654. Historical Theology: Medieval Christianity. (2 Credits)
An examination of the theological developments from the fifth through the fourteenth centuries. Special attention is given to the relationship between reason and revelation, soteriology, ecclesiology, the sacraments, and popular piety.

BITH 655. Historical Theology: Reformation. (2 Credits)
An examination of the key theological writings during the Reformation period, including selections by Lutheran, Calvinist, Anabaptist, and Catholic figures.

BITH 656. Historical Theology: Modern. (2 Credits)
An examination of the theological developments from the Enlightenment to the present, focusing on key figures representing nineteenth-century German liberalism, neo-orthodoxy, post-Vatican II Catholicism, liberation, and postmodern theology.

BITH 669. Topics In Theology. (2 or 4 Credits)
Selected topics in theology to provide for in-depth study of a selected topic of current interest.

BITH 673. Christian Ethics. (4 Credits)
An investigation of the biblical and theological foundations of Christian ethics, with attention to a range of contemporary moral issues.

BITH 674. Theology and the Liberal Arts. (4 Credits)
An in-depth examination of the interactions that have taken and are taking place between theology and the arts, as well as the natural and human sciences. Students will explore the ways that theology can assist the disciplines to be “for Christ and his kingdom” (and how the disciplines might return the favor to theology).

BITH 675. Advanced Systematic Theology. (4 Credits)
An in-depth examination of theological method and the major theological topics within the traditional loci, employing classical and contemporary theological texts.

BITH 676. Seminar Systematic Theology. (2 or 4 Credits)
676-1 (Section 1) Focused seminars providing for in-depth research of particular persons, movements, events, eras, topics, and themes in Systematic Theology. (2 or 4 credits); 676-2 (Section 2) Focused seminars providing for in-depth research of particular persons, movements, events, eras, topics, and themes in Systematic Theology (assumes an ancient language or modern language research component in primary and/or secondary resource materials). (4 credits)
BITH 677. Topics in the History of Christianity. (2 or 4 Credits)
Separate courses devoted to the study of the Christian church in specific eras or countries, or specific themes in church history.

BITH 679. Seminar in Historical Theology. (2 or 4 Credits)
679-1 (Section 1) Focused seminars providing for in-depth research of particular persons, movements, events, eras, topics, and themes in Historical Theology. (2 or 4 credits); 679-2 (Section 2) Focused seminars providing for in-depth research of particular persons, movements, events, eras, topics, and themes in Historical Theology (assumes an ancient language or modern language research component in primary and/or secondary resource materials). (4 credits)

BITH 682. Colloquium in the History of American Christianity. (2 or 4 Credits)
Special courses in specific aspects or themes of the history of the church in North America. Taught in conjunction with visiting scholars sponsored by the Institute for the Study of American Evangelicals.

BITH 683. Historiography of the History of Christianity. (2 Credits)
Christianity and history, with emphasis on the history of Church History, the implications for the meaning and practice of history, and the relationship of philosophies of history to the Christian faith.

BITH 684. Vocation Formation in Biblical and Theological Studies. (0 Credits)
This course is encouraged for students considering doctoral work, publishing, teaching, or ministry in the fields of History of Christianity, Theology, or Biblical Studies. This course explores Christian vocation formation in scholarship, professional, and ministry contexts. Readings in Christian vocation formation are assigned and discussed. Class sessions dedicate time to equipping students with practical skills such as in academic writing, research, conference participation, and applying to Ph.D. programs. Publishing as a profession as well as teaching and church/para-church ministry are explored in terms of Christian vocation and skills.

BITH 687. Seminar in American Christianity and Historical Theology. (2 or 4 Credits)
687-1 (Section 1) Focused seminars providing for in-depth research of particular persons, movements, events, eras, topics, and themes in Church History. (2 or 4 credits); 687-2 (Section 2) Focused seminars providing for in-depth research of particular persons, movements, events, eras, topics, and themes in Church History (assumes an ancient language or modern language research component in primary and/or secondary resource materials). (4 credits)

BITH 692. Graduate Comprehensive Exam. (0 Credits)
Prerequisites: The student should be in the final semester of coursework, have completed all core courses, or have completed all coursework. May be repeated once. Fee $25. Graded pass/fail.

BITH 693. Dossier for Biblical Exegesis. (0 Credits)
A culminating portfolio from coursework within the M.A. in Biblical Exegesis that demonstrates a student’s attainment of the program learning outcomes. The dossier will consist of a hermeneutics paper, an exegesis paper, a biblical theology paper, and a theology paper, all of which demonstrate an understanding and engagement with diverse ethnic, gender, and majority world perspectives. This course can only be taken during the final semester of a student’s degree and is a requirement for the M.A. in Biblical Exegesis program. Prerequisite: Final semester of M.A. in Biblical Exegesis.

BITH 695. Independent Study. (1 to 4 Credits)
Intensive research on a precisely defined topic related to some phase of Biblical and Theological Studies. Initiative for selecting the topic and proposing the methodology rests with the student. A faculty member must approve, recommend amendments (if necessary), supervise, and evaluate the project. Limit four hours in any one degree program except by special permission.

BITH 696. Internship. (2 or 4 Credits)

BITH 698. Thesis. (4 Credits)

BITH 699. Thesis Continuation. (0 Credits)

BITH 751. Introduction to Doctoral Research. (0 Credits)
Orientation to doctoral research in theology and to Wheaton’s Ph.D. program in Biblical and Theological Studies.

BITH 793. Directed Study. (2 to 4 Credits)
Supervised independent study in conjunction with the auditing of a regular graduate BTS course.

BITH 794. Directed Study in the Liberal Arts. (2 to 4 Credits)
Supervised independent study in conjunction with a regular undergraduate course in the liberal arts.

BITH 795. Guided Research. (1 to 4 Credits)
Supervised independent study.

BITH 798. Supervised Pedagogical Experience. (2 Credits)
Students participate with a faculty member in teaching a course.

BITH 881. Biblical Interpretation & Theology. (4 Credits)
First year PhD students’ orientation to theological interpretation and contemporary practice in biblical theology, with special attention to hermeneutical issues.

BITH 882. Seminar: Topics in Biblical Theology. (4 Credits)
Intense study of a particular topic in biblical theology, normally including work in both Old and New Testaments.

BITH 883. Seminar: Topics in Systematic or Historical Theology. (4 Credits)
Intense study of a particular topic in systematic or historical theology.

BITH 884. Biblical/Theological Integration. (2 Credits)
Second year PhD students’ capstone regarding theological interpretation of Scripture and contemporary practice in biblical theology, with special attention to developing integrative student case study papers in relation to their dissertation subjects.

BITH 898. Dissertation. (0 Credits)

BITH 899. Dissertation Continuation (Full-time). (0 Credits)

BITH 999. Dissertation Continuation (Part-time). (0 Credits)
BIOL 201. Contemporary Topics in Biology. (4 Credits)
This course provides students with a study of the biological concepts generally applicable to living systems, including cell structure and function, genetics, heredity, evolution, systems of the human body, and a survey of living organisms. The course is organized around recent advances in biology and presents culturally relevant issues and topics for consideration and discussion. Students will be exposed to biological vocabulary and principles while also examining the history and culture surrounding specific and recent scientific discoveries. Focus will be placed on drawing students into application and integration of science and developing the ability to engage with scientific topics in the popular culture. Three lectures and three hours laboratory. This is a course for non-science majors.
Tags: SIP, SP

BIOL 241. Organization of Life: Genetics and Cell Biology. (4 Credits)
This course is a study of the basic organizational structure of living organisms, beginning with the chemical basis of life and its relationship to the higher levels of cellular organization. This course includes a systematic analysis of the roles of nucleic acids, proteins and lipids in the higher levels of biological organization. The mediation of life processes by gene expression, cell metabolism and signal transduction are considered in the context of prokaryotic populations and more complex multicellular organisms. Three lectures, three hours laboratory. Offered every Fall.
Tags: SP

BIOL 242. Diversity of Life: An Introduction to Zoology and Botany. (4 Credits)
This course introduces the biology and diversity of select groups of prokaryotes, fungi, protists, plants and animals. Topics include taxonomic diversity, structure, and introductory physiology at the organ and tissue level. An introduction to plant biology studies the structure, function, and development of plants as organisms and the diversity of algae, fungi, and plants. Three lectures, three hours laboratory. Offered every Spring (main campus) and every Summer (Wheaton College Science Station in South Dakota).

BIOL 243. Processes of Life: Ecology and Evolution. (4 Credits)
This course introduces the conceptual and theoretical foundations of ecology, animal behavior, and evolution. Students will be introduced to population and ecosystem processes as well as longer term processes of change, including evolution. Evaluation of theories of species dynamics will be viewed in a Christian perspective. Three lectures, three hours laboratory. Offered every Fall (main campus) and every Summer (Wheaton College Science Station in South Dakota). Prerequisite: BIOL 241 or BIOL 242.

BIOL 252. Modeling the Systems of Life. (4 Credits)
Combines seminar and investigative laboratory approaches to focus on the processes of science. Organisms useful for investigation of specific biological questions will be utilized to illustrate the concept of model systems. The course will include reading and discussing primary literature and reviews, and designing and conducting experiments. Two lectures, six hours laboratory. Offered every Fall and every Spring. Prerequisites: BIOL 241 and 242.

BIOL 304. Bioethics. (4 Credits)
See PHIL 304.
Tags: PI, SIP

BIOL 311. Reproductive Biotechnology. (4 Credits)
This course provides an overview of various biomedical techniques that relate directly to the beginnings of human life and/or to reproductive choices or decisions. The techniques considered include various methods of birth control, different forms of assisted reproduction techniques, genetic testing, genetic engineering, and stem cell research and therapy. The course covers the basic biology of these techniques and also considers them from social, theological and ethical perspectives. May not be applied towards the Biology major. Prerequisite: one Scientific Practice (SP) course.
Tags: SIP

BIOL 312. Contemporary Environmental Issues. (4 Credits)
An exploration of environmental issues considering the scientific details of environmental processes and problems, the social context of people depending on the environment and human responsibility to live sustainably and care for creation. Prerequisite: one SP course.
Tags: SIP

BIOL 314. Issues in Environmental Science. (2 Credits)
An interdisciplinary approach to environmental problems emphasizing humanity's role and responsibility in the stewardship of biological resources. Prerequisite: 4 hr lab course in the legacy Studies in Nature cluster. May be applied toward the legacy general education nature requirement but not toward the Biology major. Counts as upper division science requirement under legacy general education only.

BIOL 315. Special Topics in Biology for General Education. (2 Credits)
Courses and seminars on special topics offered for legacy general education credit at the discretion of the department, including genetics, biotechnology, environmental issues, and bioethics. One two-hour or four-hour course may apply toward the legacy general education nature requirement. Students may register, with instructor's approval, for one additional hour in a two-hour or four-hour general education biology course to meet state teacher licensure requirements. Not open to Biology majors. Prerequisite: one legacy general education science laboratory course. Counts as upper division science requirement under legacy general education only. (1-4)

BIOL 318. Global Health. (4 Credits)
An interdisciplinary approach to understanding the global patterns of health and disease. Students in this course will describe and analyze how ecology, social class, race and gender impact the global burden of disease. Students will also consider how our Christian call to love our neighbor impacts our response to the disparities seen in the global burden of disease. Prerequisite: one Scientific Practice (SP) course.
Tags: GP, SIP

BIOL 319. Introduction to Environmental Ethics. (2 Credits)
An interdisciplinary consideration of ethical issues in the environmental sciences. May be applied toward the legacy general education nature requirement and the Biology major. Prerequisites: one legacy general education science laboratory course. Counts as upper division science requirement under legacy general education only.
BIOL 322. Advanced Cellular and Developmental Biology. (4 Credits)
An overview of cell structure and function and the mechanisms of biological development. Topics include cellular membranes, signal transduction, the cell surface and extracellular matrix, organelles, the cytoskeleton, the cell cycle and cancer, and cellular differentiation. Understanding of these concepts will provide the basis of study of the development of form and function during embryogenesis. Consideration of the mechanisms of development will include the basic morphological and biochemical changes which occur, as well as the molecular and cellular interactions leading to these changes. Three lectures, three hours laboratory. Lab fee $85. Prerequisites: BIOL 241 and BIOL 242.

BIOL 323. Introduction to Pharmacology. (4 Credits)
A study of chemicals that affect human physiological systems and the mechanisms by which these chemicals alter cellular and molecular pathways. Class sessions will include lectures, discussion, and student presentations. Prerequisites: BIOL 241 and CHEM 232.

BIOL 324. Microbiology. (4 Credits)
The study of the biology of microorganisms will emphasize aspects unique to bacteria and archaea, and a brief overview of viruses. Topics include microbial cell structure, metabolism, physiology, genetics, taxonomy, ecology and evolution. Laboratory exercises include techniques for detecting, isolating, cultivating, quantifying, and identifying bacteria. Three lectures, three hours laboratory. Lab fee $85. Prerequisites: BIOL 241, CHEM 232, and CHEM 241 or CHEM 342.

BIOL 325. Immunology and Microbial Pathogenesis. (4 Credits)
This course is a study of the molecular and cellular interactions and principles of the vertebrate immune system. Topics include immune system development, humoral and cell-mediated immunity, and the immune system in health and diseases. In addition, immunization, immunodeficiency, autoimmunity and cancer immunology will be discussed. The application of immunology techniques in both basic research and clinical settings will be explored. The immune response to microbial pathogens (bacteria, viruses, parasites) will be integrated through both lecture and primary literature discussion. Class periods will involve lectures and discussion. Prerequisite: BIOL 241.

BIOL 331. Human Anatomy and Physiology I. (4 Credits)
Examination of human musculoskeletal, nervous, endocrine, and cardiovascular systems with an emphasis on their structure, function, and integration. Three lectures, three hours laboratory. Lab fee $85. Prerequisites: BIOL 241 and 242; CHEM 232.

BIOL 332. Human Anatomy & Physiology II. (4 Credits)
Continuation of BIOL 331. Structure, function, and integration of structure and function within the human lymphatic, immune, respiratory, digestive, renal, and reproductive systems. Integration of systems is emphasized. Three lectures, three hours laboratory. Lab fee $85. Prerequisite: BIOL 331.

BIOL 334. Parasitology. (2 Credits)
Includes classification and identification of major groups of endo- and ecto-parasites. Lifecycles and ecology of parasite transmission will be emphasized. Three lectures. Prerequisite: BIOL 242.

BIOL 335. Invertebrate Zoology. (4 Credits)
A study of the systematics, functional morphology, ecology and research with non-vertebrate organisms. Students are introduced to the amazing diversity of terrestrial and aquatic invertebrates. Field trips to local habitats in addition to the Field Museum and Shedd Aquarium are included. The purpose of this course is to introduce students to the often overlooked organisms in the animal kingdom with the goal of cultivating a greater appreciation for this wonderful part of God’s creation. Three lectures and three hours laboratory. Lab fee $85. Prerequisite: BIOL 242.

BIOL 336. Neurobiology. (4 Credits)
A neuroscience course with three major units: the basics of neuroanatomy, neurophysiology, neuroimaging, and the stress response; several key cellular and systems-level circuits within the brain that regulate metabolism, immunity, pain, memory, sleep, and interoception; and behaviors (nutrition, exercise, meditation and prayer) that promote brain health. Class sessions will include lectures, discussions, and student presentations of current research. Prerequisites: BIOL 241 and BIOL 242. AHS 271 or BIOL 252, and AHS 351 or BIOL 331 are recommended.

BIOL 338. Economic Botany. (4 Credits)
Principles of plant biology (plant anatomy, biochemistry, physiology, genetics, taxonomy, and ecology) that relate to uses of plants for food, fodder, drugs and other chemicals, lumber, and other uses. Lab fee $85. Three lectures, three hours laboratory. Prerequisites: BIOL 241 and 242.

BIOL 339. Plant Physiology. (4 Credits)
Basic principles of plant physiology including photosynthesis, mineral nutrition, water economy, respiration, nitrogen and lipid metabolism, development, growth, and plant growth substances. Three lectures, three hours laboratory. Lab fee $85. Prerequisites: BIOL 241 and 242 and CHEM 232.

BIOL 342. Introduction to Bioinformatics. (2 Credits)
This course introduces students to bioinformatics tools and analysis methods. Upon completion of the course, students should be more comfortable working with the vast amounts of biomedical and genomic data and online tools that will be relevant to their work in the coming decades. Methods for sequencing DNA and the analysis and comparison of genome data, methods for examining the transcriptomic and proteomic profiles, as well as phylogeny, will be discussed. Implications of various types of bioinformatics data for markers of disease, genetic mechanisms, biosystemsatics, biodiversity, and ethics of biotechnology will be considered. Prerequisite: BIOL 241.

BIOL 343. Plant Taxonomy. (4 Credits)
Includes systems of classification, distinguishing characteristics of groups, observation, and classification of vascular plants of the Black Hills and environs. Offered during the summer at the Wheaton College Science Station in South Dakota. Prerequisite: BIOL 242.

BIOL 345. Disease Ecology. (4 Credits)
An interdisciplinary approach to understanding the global ecological patterns and dynamics of disease. Students in this course will describe and analyze how ecology, social class, race, and gender impact the global burden of disease. Students will also consider how our Christian call to love our neighbor impacts our response to the disparities seen in the global burden of ecological stewardship and disease presence and transmission. Prerequisites: BIOL 241 or 242, and BIOL 243.

BIOL 347. Evolutionary Biology. (4 Credits)
This course will consider the basic principles, mechanisms, and patterns of evolutionary biology including a historical survey of related ideas. The course will also consider the historical and current relationship between evolutionary science and Christian faith. Prerequisites: BIOL 241, 242, and BIOL 243.

BIOL 348. Marine Biology. (4 Credits)
Study of the biology of marine organisms in the context of the geological and physical features of the ocean. Lectures, field trips, and learning snorkeling skills on campus are followed by a field trip to the Caribbean over spring break to apply these concepts to tropical marine environments. Additional fee assessed to cover travel and accommodation costs. Prerequisite: BIOL 242.
BIOL 352. Parasitology. (2 Credits)
Includes classification and identification of major groups of endo-and ecto-parasites. Life-cycles and ecology of parasite transmission will be emphasized. Prerequisite: BIOL 242.

BIOL 356. Genetics. (4 Credits)
Molecular, cytogenetic, classical, and population concepts of plant, animal, and human genetics. Three lectures, three hours laboratory. Lab fee $85. Prerequisites: BIOL 241, 242, and 252. Offered every Spring.

BIOL 372. Field Zoology. (3 Credits)
A course emphasizing observation and classification of Black Hills animals, with a concentration on insects, reptiles, birds, and mammals. Offered during the summer at the Wheaton College Science Station in South Dakota. Prerequisite: BIOL 242.

BIOL 381. Public Health and Nutrition in Developing Areas. (2 Credits)
An interdisciplinary approach to the problems of health and nutrition, with emphasis on Third World countries. Undergraduate restrictions: not open to freshmen, may not be applied toward the Biology major. Undergraduate prerequisite: CATC SP course.

BIOL 382. Field Natural History. (4 Credits)
Introduction to basic field and lab methods used in field natural history. Includes the basic nomenclature of flora and fauna in terrestrial, as well as aquatic systems. Basic geologic processes are discussed, and the major rock formations of the Black Hills are identified in the field. The course also provides an overview of the history and philosophy of natural history. Offered during the summer at the Wheaton College Science Station in South Dakota.

BIOL 385. Special Topics in Biology. (2 Credits)
Seminars or courses in special areas offered at discretion of the department.

BIOL 386. Special Topics in Biology. (4 Credits)
Seminars or courses in special areas offered at discretion of the department.

BIOL 461. General Biochemistry. (4 Credits)

BIOL 494. The Integrated Biologist. (2 Credits)
A senior capstone experience in which Christian perspective and biological understanding are integrated to explore and better understand science, origins, environment, medicine, and ethical obligations. Prerequisite: senior standing, for Biology majors only. Offered every Fall and every Spring. (lin)

BIOL 495. Biological Research. (2 or 4 Credits)
Laboratory and/or library research conducted with a Wheaton College Biology faculty member or with a biologist at another institution (if pre-approved by the Biology Department). Through laboratory research, students hone skills in using proper lab technique, keeping a laboratory notebook, critical thinking and problem solving, and presenting their findings in oral and/or written format. In library research, students identify and obtain pertinent articles; read, analyze, and critique the articles; and synthesize information presented in the articles. Students must prepare a short research proposal in collaboration with the participating faculty member as a prerequisite for enrolling in the course. Lab fee $100. Prerequisites: BIOL 241 and BIOL 242.
BUSINESS ECONOMICS (B EC)

B EC 225. Consumer Finance. (2 Credits)
Management and stewardship of consumer income and expenditures in the areas of budgeting, credit, housing and mortgages, insurance, savings and investment, and consumerism. Does not count toward a department major.

B EC 226. Financial Accounting. (4 Credits)
An introduction to basic accounting theory, principles, and financial information systems. This first of a two-course sequence covers the double entry accrual system of accounting and addresses financial reporting issues related to accounting for current assets, liabilities, and long-lived assets.

B EC 227. Managerial Accounting. (4 Credits)
This second of a two-course sequence covers financial accounting issues related to business organization, accounting for long-term debt and owner's equity, and financial analysis. Students are also introduced to an array of managerial accounting topics including cost-volume-profit analysis, job order, and process costing, budgeting, relevant costs and decision making. Prerequisite: B EC 226.

B EC 229. Management Information Systems. (2 Credits)
Provides an overview of current business office software and its application and implementation within a business framework. The use of spreadsheets, databases and presentation graphics are explored as students develop their own business. The creation of a financial business plan, an inventory tracking system, and a business promotional presentation are used to develop the student's understanding of the software as it relates to everyday business practices.

B EC 321. Statistics. (4 Credits)
Foundational statistical principles including descriptive and inferential statistics, probability, hypothesis testing (one-sample tests, two-sample independent and dependent tests), ANOVA, and regression and correlation analyses. Statistical application with Excel is an integral part of the course.

B EC 328. Business Ethics. (2 Credits)
Corporations and the economy in the US and elsewhere are reeling from the effects of an unprecedented series of moral scandals. What ethical guidelines must be put in place to reestablish confidence in the integrity of business? Some of the questions are: is it ethical to pay bribes in foreign countries, or to go along with their treatment of people when those ways are seen as unjust in our society? What are the ethical obligations of truth telling in the context of business negotiations or advertising? What rights do employees have, and how can businesses best respect these rights? What is the proper place of capitalistic institutions in a just society? What is ‘fair treatment’ for women and minorities in business? In this course, we will have a brief survey of basic ethical concepts and general moral theory, and then discuss a variety of ethical issues that arise in the areas of business and work. The general orientation will be towards an integration of the theoretical with the practical. Taught jointly with the Business Economics and Philosophy Departments. Prerequisite: ECON 211.

B EC 334. Entrepreneurship. (2 Credits)
This course uses a multi-disciplined approach to examine the qualities of a new business venture. Students will gain knowledge of how to identify potential business opportunities, conduct market analysis and feasibility studies, write a business plan, and access their entrepreneurial acumen in the context of social responsibility. Majors only. Prerequisites: B EC 226, 341.

B EC 341. Principles of Marketing. (4 Credits)
Role of marketing within an enterprise. Includes a survey of the impact of product, price, promotion, advertising, distribution channels, consumer behavior, and market segmentation on marketing decisions.

B EC 342. Principles of Management. (4 Credits)
Introduction to the effective management of organizations, including principles of strategizing, organizing, controlling, and leading. Special emphasis on the human side of management and the social responsibility of enterprise.

B EC 343. Consumer Behavior. (4 Credits)
This course explores the psychology of consumer thought and rationale, with a focus on theory and research, for the purpose of examining the social, cognitive, and cultural factors that influence individual consumer behavior. Prerequisite: B EC 341.

B EC 352. Business Law. (2 Credits)
An introduction to basic legal concepts and principles that apply to business transactions. The course will focus on the laws related to contracts, commercial transactions, and agency relationships. Ethical and other issues in business law are examined from a Christian perspective.

B EC 355. Cost Accounting. (4 Credits)
A study of accounting information for managerial reporting and decision making, including cost analysis, performance measurement, variance analysis, activity based/job order/process costing, allocation issues, information for decision making, and capital budgeting. Prerequisites: B EC 226, 227.

B EC 367. Principles of Finance. (4 Credits)
This course is a study of basic financial concepts underlying valuation of financial assets and managing the firm. Financial management issues covered in the course include financial analysis, capital budgeting, capital structure, long-term financing, financial planning, dividend policy, working capital management, and international finance. Prerequisites: B EC 226 (or MATH 263 or MATH 363 or MATH 163 (AP Statistics credit)), and B EC 321.
B EC 377. Marketing & Supply Chain Strategy. (4 Credits)
The importance of logistics and supply chain management is receiving top management attention in major firms on a global basis. While supply chain management has captured the attention and interest of higher-level executives, successful companies still realize that it is the logistics of an enterprise that manages order fulfillment to their customers effectively and efficiently to build and sustain competitive advantage and profitability. The logistics process affects almost every aspect of human activity, directly or indirectly. Few areas of business have as significant an impact as logistics. The primary function of this course is to provide students with a strong background in marketing, logistics and transportation within the context of supply chain management processes. Marketing and Supply Chain Strategy is a course designed to enable future business leaders to utilize business theories to analytically assess decisions and develop effective strategies through demand and supply integration. The objective of demand and supply integration (DSI) is to align sales, marketing, operations, logistics, procurement, and finance in a strategy that balances supply and demand. Prerequisite: B EC 341. Corequisite: B EC 342.

B EC 382. Topics in Business. (2 Credits)
Selected topics designed to give added breadth and depth to the understanding of business. Prerequisite: Various depending on the topic.

B EC 384. Topics in Business. (4 Credits)
Selected topics designed to give added breadth and depth to the understanding of business. Prerequisite: Various depending on the topic.

B EC 421. Organizational Behavior. (2 Credits)
Examination of human behavior in work organizations. Focuses on enhancing individual and organizational performance by understanding motivation, job attitudes, leadership, group dynamics, organizational culture, and organizational development. This highly interactive class is run as a self-managed work team.

B EC 431. Investment Analysis and Capital Markets. (4 Credits)
This course analyzes the markets for investment of funds with special emphasis on debt and equity instruments, and the determination of asset prices. The theory and practices underlying investment portfolio management also are studied as they relate to these markets. Prerequisites: ECON 211, 212. B EC 321 (or MATH 263 or MATH 363 or MATH 163 (AP Statistics credit)), and B EC 367.

B EC 433. New Venture Strategy. (2 Credits)
The course is designed to provide tools that will help students develop and evaluate new business ideas. The course will discuss frameworks for understanding the entrepreneurial process, decision and behavioral sciences as they relate to business strategy, Biblical underpinnings of entrepreneurship, and financing and starting the new venture. Prerequisites: ECON 211, B EC 226, 341, 367.

B EC 493. Business Strategy. (2 Credits)
A required course for Business Economics majors that highlights key principles and ideas from the business disciplines of accounting, finance, management, and marketing. A major goal of the course is to develop insights into the interrelatedness of business principles as they apply to business strategy and solving problems in the context of a competitive business environment. Case analysis and/or simulations will be used to develop the conceptual material. Prerequisites: Majors only; B EC 226 and B EC 321 (or MATH 263 or MATH 363 or MATH 163 (AP Statistics credit)); Corequisites: B EC 341, 367.

B EC 494. Senior Seminar. (2 Credits)
An integrative capstone course examining the liberal arts, normative aspects of business and economics, the role of Christians at work and in the marketplace. Prerequisite: B EC major and senior standing.

B EC 495. Independent Study. (1 to 4 Credits)
Individual study on major issues for the advanced student with approval of the department chair. See Department guidelines.

B EC 496. Internship. (1 to 4 Credits)
Credit given for pre-approved faculty-supervised involvement in the private or public sector of the economy. Open only to juniors and seniors who have completed ECON 211, 212 and any other courses deemed appropriate for the particular internship. Graded pass/fail.

B EC 499. Honors Thesis. (4 Credits)
An independent research project requiring original research, developed into a scholarly paper and culminating in an oral exam. By application to the department only. The honors thesis may not be counted toward the total hours required to complete the major. Prerequisite: ECON 375.
CHEM 212. Everyday Chemistry. (4 Credits)
The course covers basic concepts of chemistry as encountered in our everyday lives - food & metabolic energy, drugs & medicines, soaps & detergents, polymers - and allows students to explore the process of scientific investigation using familiar products and materials. Includes evaluation of scientific claims (e.g., recognizing pseudoscience in commercial chemical products) and the development of a scientific argument based on experimental evidence. The laboratory includes the preparation and analysis of common chemical materials. Three hours lecture, two hours laboratory.
Tags: SP

CHEM 231. General Chemistry I. (4 Credits)
Stoichiometry, introduction to reaction types, gases, thermochemistry, atomic and molecular structures, bonding, condensed phases. Three lectures, three hours laboratory. Prerequisite: high school algebra

CHEM 232. General Chemistry II. (4 Credits)
Solutions, kinetics, chemical equilibrium, acid/base chemistry, free energy, electrochemistry, inorganic chemistry, radiochemistry, introduction to organic. Three lectures, three hours laboratory. Prerequisite: CHEM 231.

CHEM 241. Principles of Organic Chemistry. (4 Credits)
A one-semester survey course in organic chemistry. Topics include common classes of organic compounds—especially those of biological interest - nomenclature, structure-reactivity, principles, reactions, and mechanisms. The laboratory stresses investigation of principles discussed in lecture. This course does not meet the requirements for medical, dental, or veterinary schools. Three lectures, three hours laboratory. Prerequisite: CHEM 232 or consent of the instructor.

CHEM 294. Chemistry Colloquium. (0 or 1 Credits)
Features a variety of presentations by students, faculty, and outside speakers on topics including current research, current events in chemistry, and history of chemistry. Also includes ‘faith and learning’ discussions of various books and articles. Intended for sophomore chemistry majors, though majors from other years are also welcome. Taught each semester.

CHEM 321. Pseudoscience & Faith. (4 Credits)
This course will explore scientific issues and practice by examining several notable examples of pseudoscience, which is the attempt to justify a claim about the world with dubious data and misguided scientific arguments created and analyzed outside the mainstream of traditional scientific communities. In-depth case studies related to Christian faith will include the Bible Code, the Shroud of Turin, among others. The normal practice of science will be studied through scholarly writings as well as scientific autobiographies.
Tags: SIP

CHEM 336. Inorganic Chemistry. (4 Credits)
Atomic structure (nuclear and electronic), molecular orbital theory, molecular symmetry, bonding models, solid state, acid-base theory, coordination compounds, organometallic chemistry. Three lectures, three hours laboratory. Prerequisite or corequisite: CHEM 342.

CHEM 341. Organic Chemistry I. (4 Credits)
A two-semester study of organic chemistry. Topics include nomenclature, principles of reactivity, reaction mechanisms, synthesis, and spectroscopy. The laboratory stresses the synthesis and characterization of organic compounds. (Not open to students who have taken CHEM 241.) Three lectures, three hours laboratory. Prerequisite: CHEM 232

CHEM 342. Organic Chemistry II. (4 Credits)
A two-semester study of organic chemistry. Topics include nomenclature, principles of reactivity, reaction mechanisms, synthesis, and spectroscopy. The laboratory stresses the synthesis and characterization of organic compounds. (Not open to students who have taken CHEM 241.) Three lectures, three hours laboratory. Prerequisites: CHEM 232 and CHEM 341.

CHEM 355. Introduction to Analytical Chemistry. (2 Credits)
Statistical treatment of scientific data sets (regression analysis, confidence intervals, ANOVA, principle component analysis). Solution activities. Introduction to instrumentation theory and methods for ultraviolet, visible, and atomic spectroscopy. Potentiometric and chromatographic theory. One lecture, three hours laboratory. Prerequisite: CHEM 241 or 341, or consent of instructor. (lin)

CHEM 371. Physical Chemistry I. (4 Credits)
A study of the laws of classical thermodynamics and their application to physical and chemical systems, followed by an introduction to kinetics, kinetic theory, and reaction dynamics. Prerequisites: MATH 231 and either PHYS 222, 229 or 232.

CHEM 372. Physical Chemistry II. (2 Credits)
An introduction to quantum mechanics and statistical mechanics. Includes atomic theory, bonding theory, and computational chemistry. Prerequisite: CHEM 371 (lin)

CHEM 436. Physical Inorganic Chemistry. (2 Credits)
This course focuses on the bonding, electronic structure, and geometry of inorganic compounds. Topics include: molecular orbital theory, molecular symmetry, group theory, vibrational spectroscopy, electronic spectroscopy of transition metal complexes and solid state chemistry. Prerequisite or corequisite: CHEM 371.

CHEM 437. Organometallic Chemistry. (2 Credits)
A course in the structure, reactivity and applications of organometallic compounds with a focus on transition metal organometallic compounds. Topics will include: electronic structure; reactivity and mechanisms of coordination compounds; ligands, descriptive chemistry, reaction mechanisms, characterization of organometallic compounds; catalysis. Prerequisite or corequisite: CHEM 371.

CHEM 455. Advanced Analytical Chemistry I. (2 Credits)
Instrumental methods used in analysis and research. Scientific instrumentation electronics, computer interfacing, and signal processing. Cyclic voltammetry and fluorescence techniques. One lecture, three hours laboratory. Prerequisite: CHEM 371 or consent of instructor. (lin)

CHEM 457. Advanced Analytical Chemistry II. (2 Credits)
Instrumental methods used in analysis and research. High performance liquid chromatography, capillary electrophoresis, atomic and mass spectrometry. Tools for nanoscale/single-molecule investigations. One lecture, three hours laboratory. Prerequisite: CHEM 371 or consent of instructor. (lin)
CHEM 461. General Biochemistry. (4 Credits)

CHEM 462. Advanced Biochemistry. (2 Credits)
Advanced topics in biochemistry, including biosynthesis and action of phospholipids and nitrogen-containing biomolecules. DNA and RNA metabolism. Protein synthesis. Student presentations from the biochemical literature are given. Prerequisite: CHEM 461.

CHEM 463. Biochemistry Analysis. (2 Credits)
Laboratory course introducing common biochemistry techniques for experimentation, such as biological sample preparation and handling, preparing biological buffers, protein quantification, activity assays, enzyme kinetics analysis, gel electrophoresis, western blotting, expression and purification of proteins, and biomolecular separations. Each experiment is accompanied by lectures on the theoretical aspects of the topic and requires use of the biochemical literature. One lecture, three hours laboratory. Prerequisite: CHEM 342; Pre or corequisite: CHEM 461. CHEM 355 recommended. (lin)

CHEM 475. Methods in Physical Chemistry. (2 Credits)
A laboratory-oriented course to give experience in physical chemistry measurements. Experiments on molecular spectroscopy, crystal structure, laser spectroscopy, macromolecules, and kinetics will be included. Each experiment is accompanied by lectures on theoretical aspects of the topic. One lecture, three hours laboratory. Prerequisite: CHEM 371. (lin)

CHEM 485. Synthesis And Analysis. (2 Credits)
Laboratory course involving special techniques in the synthesis of organic and inorganic compounds and the spectroscopic methods of their characterization. Six hours laboratory. Alternate years. (lin)

CHEM 486. Advanced Topics In Chemistry. (2 Credits)
Special topics of current interest chosen from the areas of inorganic, organic, polymer, industrial, physical, biological, or analytical chemistry. Prerequisite will depend upon the subject. May be taught as a tutorial.

CHEM 494. Chemistry In Context. (2 Credits)
Capstone Course: A discussion of chemistry in historical, philosophical, and theological perspective. Includes vocation issues. Prerequisite: CHEM major with senior standing.

CHEM 495. Independent Research. (2 or 4 Credits)
A research project carried out under the supervision of a chemistry department faculty member. Includes opportunities for collaborative programs with academic, government, and industrial institutions as approved by the department. Prerequisite: consent of instructor.

CHEM 496. Internship. (1 to 4 Credits)
Practical experience and training at an academic, government, or industrial laboratory as approved by the department. Graded pass/fail. Prerequisite: junior or senior standing with Chemistry major.

CHEM 499. Honors Thesis. (4 Credits)
An independent project requiring original laboratory research developed in a scholarly paper and culminating in an oral examination. Fulfills partial requirement for an honors chemistry degree. Requirements are available in the Chemistry Office or the department web site www.wheaton.edu/chemistry.
CHINESE (CHIN)

CHIN 101. Elementary Mandarin Chinese. (4 Credits)
Beginning Chinese with emphasis on understanding, speaking, reading, and writing. Laboratory practice.

CHIN 102. Elementary Mandarin Chinese. (4 Credits)
Beginning Chinese with emphasis on understanding, speaking, reading, and writing. Laboratory practice.

CHIN 103. Accelerated Elementary Chinese. (4 Credits)
Intensive study of beginning Chinese with emphasis on understanding, speaking, reading and writing. Laboratory work. Required of heritage speakers of Chinese who speak and understand Chinese but who have little or no reading and writing ability. Also required of non-Chinese students with two years of high school Chinese or who place by test score into second-semester Chinese. Prerequisite: Heritage speakers of Chinese or non-Chinese students with only two years of high school Chinese or second semester Chinese by placement test score. Fall semester only.

CHIN 201. Intermediate Mandarin Chinese. (4 Credits)
Conversation, composition, and grammar review based on readings and videos; exploration of various aspects of Chinese culture. Laboratory practice. Prerequisite to any further study in Chinese. Prerequisite: CHIN 102, 103 (or equivalent)

General Education: COMP

CHIN 301. Chinese Character Acquisition. (2 Credits)
Introduction to the basic component parts of Chinese characters and how characters vary as they are combined. May be taken concurrently with a Chinese language course at the intermediate level or above. Prerequisite: CHIN 201, Language Competency equivalent or permission of instructor.

CHIN 302. Chinese Through Scripture. (4 Credits)
Introduction to the Chinese Bible and its translation via selected readings. Focus on basic Christian terminologies and statements in Chinese about God, Jesus, worship, and prayer. Practice character recognition and oral communication through reading of the Bible. May be taken concurrently with a Chinese language course at the intermediate level or above. Prerequisite: CHIN 201, Language Competency equivalent, or permission of instructor.

CHIN 303. Chinese Grammar. (4 Credits)
Introduction of the major features of Chinese grammar. Discussion of structures, situations, and functions and practice with corresponding exercises. Prerequisite: CHIN 201, Language Competency equivalent or permission of instructor.

CHIN 331. Chinese Conversation. (4 Credits)
Intensive practice in oral communication and listening comprehension with emphasis on natural spoken expression based on audio materials, videos, and readings of authentic texts. Development of reading and writing skills through exposure to additional Chinese characters. Prerequisite: CHIN 201, Language Competency requirement or permission of instructor.

CHIN 332. Chinese Composition. (4 Credits)
Development of punctuation, sentence and paragraph structures, and practice with basic Chinese literary styles such as narration, description, exposition, argument, and correspondence. Emphasis on writing practices as well as group discussions, presentations and oral compositions. Prerequisite: CHIN 201, Language Competency requirement or permission of the instructor.

CHIN 334. Intro to Chinese Culture. (2 Credits)
Students gain their initial understanding of Chinese customs and cultural essence prior to or during their trip to study in China. With a special emphasis on comparing and contrasting this course examines both the similarities and differences of the East and the West to help students get a deeper understanding of the Chinese culture as well as their own cultural heritage. Daily journaling is required with some suggested reading materials. Offered in China or on campus. Prerequisite: Acceptance into Wheaton in China program or permission of instructor.

CHIN 335. Business Chinese. (2 Credits)
This course introduces Chinese communication skills (listening, speaking, reading, and writing) used in various business situations. Students build vocabulary and social awareness via business websites and documents and practice communicative skills through simulations and related business tasks. Students will also gain understanding of the social and cultural aspects of the Chinese business context. This course may be taken alongside a Chinese language course at the intermediate level or above. Offered every other year. Prerequisite: CHIN 201, Language Competency requirement or permission of the instructor.

CHIN 336. Chinese Cinema. (4 Credits)
Viewing, analysis and critique of Mandarin-language films from Mainland China, Taiwan, and Hong Kong depicting urban and rural contexts. Practice in aural comprehension, reading authentic texts, writing synopses and reviews; discussion of character development, thematic analysis and cinematic techniques. Prerequisite: CHIN 201, Language Competency requirement or permission of instructor.

CHIN 337. Readings of Chinese Culture and Society. (4 Credits)
Selected readings of authentic texts on topics of Chinese culture, contemporary Chinese life, and social issues as well as from various literary works. Dual emphasis on language learning and building of cultural awareness. Prerequisite: CHIN 201, Language Competency requirement or permission of instructor.
Tags: GP

CHIN 338. Advanced Chinese in China. (4 Credits)
Tags: GP

CHIN 341. Special Topics in Chinese Language and Culture. (4 Credits)
Further development of oral proficiency. Immersion experience and practice on culture and language. Advanced grammar, conversation, and composition taught by native speakers in a Chinese university setting. Course content and level variable. Offered in China only. Prerequisites: CHIN 331 or permission of instructor. Corequisite: Acceptance into Wheaton in China program.
Tags: GP

CHIN 346. Modern Chinese Literature. (4 Credits)
Introduction of literary works of major Chinese writers during the twentieth century. Readings include short stories, poetry and essays, each placed in its unique societal, historical, and political contexts so as to present a holistic picture of a modern China. All texts will be studied in Chinese. Prerequisite: CHIN 337 or permission of the instructor.
Tags: LE
CHIN 351. Classical Chinese Poetry. (2 Credits)
This course offers learners some of the basic tools for reading Classical (literary) Chinese, the written language of China from the sixth century B.C. through the second century A.D. and well beyond. Students will read the most well-known poems of the Tang poets including Li Bai, Du Fu, Wang Wei, etc. Prerequisite: CHIN 201, Language Competency requirement or permission of instructor.

CHIN 494. Senior Seminar. (4 Credits)
Examination of literary or cultural topics from perspectives of contemporary critical theory. Students produce a major research paper that integrates faith with the subject matter. Prequisites: CHIN 331, 332, Study Abroad, CHIN 337, 346 or departmental approval.

CHIN 495. Independent Study. (1 to 4 Credits)
Reading and individual study of selected aspects of Chinese culture, literature, or language. Department approval required.
**CHRISTIAN FORMATION & MINISTRY (CFM)**

**CFM 111. Foundations of Ministry. (2 Credits)**
This course provides a foundation for the work of ministry through an introduction to evangelism and discipleship. Through an overview of the ministry of Jesus, students will learn the basic principles involved in the kingdom work of presenting the Gospel and making disciples in an ever changing world.

**CFM 115. Introduction to Christian Formation and Ministry. (4 Credits)**
This course is designed to introduce students to central themes and concepts in Christian Formation and Ministry, including biblical foundations, historical foundations, social science foundations and essential practices of spiritual formation, discipleship, and Christian teaching.

**CFM 121. Ministry Skills: Backpacking. (1 Credit)**
This course is specially designed to equip students with tools for ministry and the holistic, spiritual formation of others in a variety of contexts. Students will be fully immersed in developing backpacking skills as a means to explore how physical activity within a Christian community and in an outdoor setting can contribute to holistic formation of self and others. Students will experience a formational process in their own life through course readings, community based outdoor experiences, and critical reflection and discussion. They will also consider how to facilitate similar formational experiences for others.

**CFM 122. Ministry Skills: Rock Climbing. (1 Credit)**
This course is specially designed to equip students with tools for ministry and the holistic, spiritual formation of others in a variety of contexts. Students will be fully immersed in developing rock climbing as a means to explore how physical activity within a Christian community and in an outdoor setting can contribute to holistic formation of self and others. Students will experience a formational process in their own life through course readings, community based outdoor experiences, and critical reflection and discussion. They will also consider how to facilitate similar formational experiences for others.

**CFM 123. Ministry Skills: Horsemanship. (1 Credit)**
This course is specially designed to equip students with tools for ministry and the holistic, spiritual formation of others in a variety of contexts. Students will be fully immersed in developing horsemanship as a means to explore how physical activity within a Christian community and in an outdoor setting can contribute to holistic formation of self and others. Students will experience a formational process in their own life through course readings, community based outdoor experiences, and critical reflection and discussion. They will also consider how to facilitate similar formational experiences for others.

**CFM 124. Ministry Skills: Cross-country Skiing. (1 Credit)**
This course is specially designed to equip students with tools for ministry and the holistic, spiritual formation of others in a variety of contexts. Students will be fully immersed in developing cross-country skiing as a means to explore how physical activity within a Christian community and in an outdoor setting can contribute to holistic formation of self and others. Students will experience a formational process in their own life through course readings, community based outdoor experiences, and critical reflection and discussion. They will also consider how to facilitate similar formational experiences for others.

**CFM 125. Ministry Skills: Downhill Skiing. (1 Credit)**
This course is specially designed to equip students with tools for ministry and the holistic, spiritual formation of others in a variety of contexts. Students will be fully immersed in developing downhill skiing as a means to explore how physical activity within a Christian community and in an outdoor setting can contribute to holistic formation of self and others. Students will experience a formational process in their own life through course readings, community based outdoor experiences, and critical reflection and discussion. They will also consider how to facilitate similar formational experiences for others.

**CFM 131. Introduction to Spiritual Formation. (2 Credits)**
Provides for the self-evaluation of personal faith and character and opportunities for expressing a greater commitment to life in Christ. Students choose one of three tracks - wilderness expedition, urban track, or camp experience - which is combined with reading assignments, Scripture studies, and group discussions. Open to incoming students accepted to the Wheaton Passage wilderness, urban, Northwoods or equestrian programs at HoneyRock held prior to fall semester.

**CFM 215. Spiritual Formation in Community. (2 Credits)**
Moving beyond an individualistic focus of spiritual formation, this course engages the lived experience of being God’s “called out ones”. Following the framework of the weekly chapel program at the college along with the student’s engagement in the local church, this course explores the experiences and best practices of how the body of Christ is formed within a communal setting. Attention is given to multicultural expressions and the diversity of styles and traditions in worship.

**CFM 216. Discipleship Practicum. (1 Credit)**
Integrating the theories learned in the classroom with involvement in a campus sponsored ministry, students will participate in a leadership role approved by the CFM Department. The practicum includes a summative assignment in which students consider the links between ministry principles, personal spiritual formation, and practical skills. Practica may be repeated up to a maximum of four times for credit. Graded pass/fail.

**CFM 222. Teaching for Transformation. (4 Credits)**
This course examines historical educational theory and processes as well as current learning theory in order to create transformational experiences to promote an individual's spiritual growth. Methods of teaching, the role of the Holy Spirit, basic curriculum design, character of the teacher, and biblical genres are considered.

**CFM 223. Human Development and Ministry. (4 Credits)**
Explores the application of human development and other social science theory and research to Christian Education. Spiritual development through the lifespan is highlighted, as well as the importance of understanding social context and organizational dynamics for effective ministry.

**Tags: SI**

**CFM 244. Christian Spiritual Practices. (2 Credits)**
An introduction to Christian Spiritual Formation as the integration of theological understanding, faith, and spiritual practice. This laboratory course in spiritual formation explores the relational, spiritual, and missional practices of the Christian life - Christian formation in community and service to the world (e.g., corporate worship, spiritual friendship, spiritual direction, small group accountability, hospitality, evangelism, compassion, social justice, creation care). Students will study, practice, and theologically reflect on these as biblical, historical, and psychological perspectives are brought to bear on the experience of class members individually and in the context of congregational leadership.
CFM 231. Evangelism. (2 Credits)
Provides an overview of the Gospel, Great Commission, and Great Commandment. Emphasis is given to surveying the tools needed for the task of world evangelism with emphasis on personal preparation for one-to-one evangelism within a variety of contexts.

CFM 232. Spiritual Guidance and Discernment. (2 Credits)
This course is designed as a practicum experience in Christian spiritual guidance and discernment. Out-of-class attention will be given to a protestant interaction with the spiritual exercises of Ignatius Loyola and the experience of meeting with a spiritual guide or listener. In-class lectures will entail seminar format discussion and debriefing of class readings and practices as they pertain to guidance and discernment.

CFM 234. Youth Ministry. (4 Credits)
This course introduces students to the theories and practices of ministry with adolescents, including biblical and theological foundations, developmental and socio-cultural theories and research, historical and contemporary models of youth ministry, and the development of a philosophy of youth ministry.

CFM 241. Leadership Development. (4 Credits)
This course will develop students’ leadership potential for a life of kingdom service. Students will understand and critically assess their personal leadership and develop an integrated philosophy of leadership. This philosophy will be implemented and assessed during the summer as students create formational experiences in an adventurous setting, discipling campers for God’s mission back home. This course is offered each summer at HoneyRock as part of the Leadership Certificate.

CFM 251. Ministry Practicum. (0 Credits)
Integrating the theories learned in the classroom with the practices of ministry, students will participate in a specific ministry context approved by the CFM Internship Coordinator and their faculty advisor. The practicum includes a summative assignment in which students consider the links between ministry principles, personal spiritual formation, and practical skills. Graded pass/fail.

CFM 259. Topics in Christian Formation and Ministry. (2 or 4 Credits)
Examines ministry concerns, problems, and trends in light of a holistic Christian Education theory.

CFM 322. Historical Foundations. (2 Credits)
The purpose of this course is to explore key persons and movements in the expansion of the Christian church from early monasticism and the Celtic Church to Moravianism and Methodism. Our missiological reinterpretation of church history will focus on the dynamics of the expansion such as the Spirit’s renewal, structure of mission, role of leadership, and implications for contemporary strategies of mission. This process develops an appreciation of historio-missiological reflection in Christian community that will affect the student’s missionary vocation.

CFM 331. Teaching the Bible. (2 Credits)
Designed to acquaint students, through both theory and practice, with the principles of effective biblical instruction. Methods of interpretation and literary aspects of the Bible are emphasized.

CFM 332. Theological Foundations. (2 Credits)
This course uses evangelical principles of biblical hermeneutics to explore intercultural encounters of God’s mission from the Philistines of Abraham and David’s time to Jesus’ ministry among the marginalized in first-century Palestine. The process develops an appreciation of theological reflection within Christian community, which will affect the student’s missionary vocation.

CFM 333. Student Care in College Ministry. (2 Credits)
An introduction to the basic concepts and skills involved in the student care aspect of residence life ministry at Wheaton, including a brief overview of historic and biblical foundations for caring ministry, categories of student struggle most commonly experienced in college residence life ministry, rudimentary person-to-person helping skills, and small group supervision. This course is limited to residence assistants.

CFM 337. Compassion in Ministry. (2 Credits)
Compassion is central to effective ministry leadership. This course introduces students to the types of human suffering encountered by those in ministry leadership and to rudimentary skills for responding effectively. We will consider biblical, historical and contemporary models for compassion in ministry. Only one of CFM 337 and CFM 339 may be taken for credit. Mainly taught at HoneyRock.

CFM 339. Compassion and Crisis Ministry: Responding to Trauma and Suffering. (4 Credits)
Introduction to the basic concepts and skills involved in ministry responses to trauma and suffering. Course content will include an overview of the historic ministry of soul care, biblical foundations for crisis ministry, major categories of human suffering and trauma across cultures and contexts, and rudimentary compassion and crisis ministry skills. Only one of CFM 337 and CFM 339 may be taken for credit. Mainly taught on campus.

CFM 347. Discipleship A. (2 Credits)
This course seeks to nurture wisdom and small group ministry experience as students prepare to be lay ministers. While we probe the knowledge of God and the knowledge of self, the course will help students understand and embrace the calling to be a disciple of Jesus and to help others become disciples of Him. This course is a requirement for the undergraduate Discipleship Certificate in the Christian Formation & Ministry department. It meets a CFM major requirement and is a prerequisite for CFM 348.

CFM 348. Discipleship B. (2 Credits)
This course builds off the foundational learning in CFM 347: Discipleship A and deepens a student’s ability to effectively use the Bible and theology in discipleship. It recognizes that all believers are challenged to discover their vocation as ministers in whatever careers they pursue. Within that context, various methods for studying and teaching Scripture and the doctrines of the Trinity, Natural and Special Revelation, Anthropology, Grace and Community will be examined to equip students in their life-long calling of discipleship. This course meets a CFM major requirement and can serve as an elective option in the Discipleship Certificate. Corequisite or Prerequisite: CFM 347.

CFM 353. Leadership and Human Systems. (2 Credits)
This course provides the next level of development after the Leadership Development course of SLS for supervisory leadership roles at HoneyRock. Prerequisite: CFM 241

CFM 412. Ministry Practicum. (2 Credits)
This is an experience-based course designed to provide students an opportunity to implement leadership concepts and theories and develop their own leadership qualities through direct experience and team development. Graded: pass/fail

CFM 414. Ministry with Children and Families. (2 Credits)
See CFM 613.

CFM 421. Philosophy of Ministry. (4 Credits)
Integrates various academic disciplines into a logical philosophy of ministry by studying major foundational concepts and issues of Christian Formation & Ministry.
CFM 422. Designing for Transformational Learning. (4 Credits)
Utilizing curriculum theory, human development, and philosophy of ministry, students will explore how these theories and practices shape and support an individual's spiritual formation through the development of sound curriculum design and evaluation. Includes preparation of curriculum scope and sequence, development of lesson plans, design of evaluation instruments, and an explanation of how these strategies affect the learning experience.

CFM 452. Camp Ministry. (2 or 4 Credits)
Provides a study of and involvement in the use of a camping environment for the growth and development of people. Special attention is given to program philosophy and principles for designing, conducting, and evaluating an effective camp ministry for young people. Offered at HoneyRock.

CFM 459. Advanced Study in Christian Formation and Ministry. (2 or 4 Credits)
Provides small group study of special areas of interest in Christian Formation and Ministry. Topics will vary from term to term. Prerequisite: junior/senior standing or permission of instructor.

CFM 461. Leadership in Christian Ministry. (2 Credits)
Involves a study of organizational structures and administrative procedures which are useful in Christian Formation and Ministry programs. Emphasis will be given to the management of resources such as time, personnel, and information.

CFM 472. Adventure Challenge Ministry. (4 Credits)
Explores the theory of experiential education and its ministry applications through the medium of engaging adventure challenge experiences. Includes the role of facilitative leadership, group and individual problem solving, and disciplined reflection in promoting Christian maturity in others. Offered at HoneyRock.

CFM 474. Integrative Leadership Seminar. (2 Credits)
A course designed to develop advanced critical thinking and personal philosophy of leadership. Students will integrate their knowledge of leadership and faith while collaboratively identifying and assessing a real world leadership issue. This is a 400 level course that necessitates a major research paper and analysis/integration paper that draws on their multiple leadership experiences and all the courses they have taken up to this point as part of the Leadership Certificate. Offered at HoneyRock.

CFM 494. Ministry in Culture. (4 Credits)
The Core Curriculum Capstone Experience allows students to pursue deep integration of their major and the concepts they have explored throughout the entire Christ at the Core curriculum. The Capstone Experience also considers how the First Year Seminar, Advanced Integrative Seminar, and coursework in their major prepares them for their vocation after Wheaton. This capstone engages students in ethnographic research while deepening intercultural competency as they prepare to be ministers of the Gospel. It enables students to reflect upon their practical ministry experiences and therefore is taken after or concurrent with the internship in the major. This course, in combination with CFM 496: Internship meets the general education Christ at the Core graduation requirement. Prerequisites: CORE 101, CFM 115, HNGR 114, AIS course; prerequisite or concurrent with CFM 496.

CFM 495. Independent Study. (1 to 4 Credits)
Focuses on field or library research according to individual interests and competencies in Christian Formation and Ministry.

CFM 496. Internship. (0 Credits)
Provides practical experience under supervision in a setting appropriate to the student's major interests. Prerequisites: junior standing and a minimum of 16 hours completed in Christian Formation and Ministry including background courses appropriate to the internship setting. Graded pass/fail.

CFM 497. Internship Seminar. (2 Credits)
Provides student debriefing on their internship experiences from several perspectives while making preparations for post-graduation plans. (CFM 496 is a prerequisite, but with approval from the Internship Coordinator, a concurrent enrollment is allowed.) Graded pass/fail.

CFM 513. History and Philosophy of Ministry. (4 Credits)
Helps students become more informed and effective ministers through the analysis of ministry and educational philosophies that have guided the church throughout its history. Provides a framework within which to formulate a biblically and historically informed philosophy of ministry.

CFM 516. Teaching for Transformation. (4 Credits)
Promotes Christian growth through educational planning and evaluation. Methods of teaching, curriculum design, and character of the teacher are considered.

CFM 517. Developmental Theory and Spiritual Formation. (2 Credits)
An introduction to biblical, historical, and theological understandings of the nature of persons and the integration of relevant psychological and sociological understandings of human development. In addition, students will be encouraged to consider the application of these foundations to the contemporary work of Christian formation and ministry.

CFM 518. Research Methods for Ministry. (2 Credits)
An introduction to the theory and practice of research methodologies as they relate to Christian formation and ministry.

CFM 521. Personal Spiritual Formation. (2 Credits)
An introduction to personal spiritual formation, including spiritual health and the practice of spiritual disciplines. Includes an off-site weekend retreat.

CFM 522. History and Traditions of Spiritual Formation. (2 Credits)
This course traces some of the dominant themes of Christian spirituality. Through biblical, theological, and historical study, we will examine how various individuals and movements have experienced and sought to nurture their relationship with the Triune God. Particular attention is paid to developing the skills of discernment for reading these primary sources.

CFM 523. Ministry Leadership and Organization. (4 Credits)
Introduction to issues of ministry leadership, including organizational theory, ethics, conflict management, and personal concerns for integrity and spiritual health.

CFM 525. Camp Ministry in Global Context. (4 Credits)
This course explores the theory and practice of doing ministry in diverse cultural contexts in the United States and globally. Students cultivate active cultural sensitivity through tools that include taking an inventory, conducting an ethnographic study, and partnering with a Christian camp ministry from a different geo-cultural context.

CFM 532. Discipleship. (2 Credits)
This course examines the biblical and historical models and principles for the life-long process of making disciples in a changing culture. Built on the foundation of spiritual formation and mentoring, students will be challenged to grow as disciples so that they might also equip and encourage others to grow in following Jesus.
CFM 533. Prayer. (2 Credits)
Provides a theory-based examination of prayer, especially within the historic evangelical faith.

CFM 535. Advanced Curriculum Development for Ministry. (2 Credits)
This course focuses on advanced curriculum design and development for ministry purposes, and the roles of learning environments and experiences in facilitating spiritual growth. Includes practical components integral to these issues.

CFM 545. Student Development Leadership and Organization. (4 Credits)
An introduction and overview of the administration and organization of College Student Affairs with an emphasis on its historical and philosophical foundations, its basic documents and leadership strategies and issues. Staff selection, training, supervision, policy development, and program implementation and evaluation are addressed.

CFM 547. Philosophy of Ministry. (2 Credits)
This course helps students become more informed and effective ministers through the analysis of key ministry and educational philosophies. Provides a framework within which to formulate a biblically, theologically, and philosophically informed philosophy of ministry.

CFM 612. Ministry with Children and Families. (4 Credits)
This course examines the nature of family relationships and the spirituality of children in light of biblical, theological, and developmental perspectives. The course is intended to equip ministry students to understand these dynamics in their own families, in the families of those to whom they minister, and the impact of these on their ability to be effective ministers. The course also includes a consideration of church as the family of God.

CFM 613. Ministry with Children and Families. (2 Credits)
This course examines the nature of family relationships and the spirituality of children in light of biblical, theological, and developmental perspectives. The course is intended to equip ministry students to understand these dynamics in their own families, in the families of those to whom they minister, and the impact of these on their ability to be effective ministers. The course also includes a consideration of church as the family of God.

CFM 631. Youth Ministry. (4 Credits)
Introduces students to biblical foundations, developmental and sociocultural theories and research, historical and contemporary practice, and philosophy of youth ministry.

CFM 651. Adult Ministries. (2 Credits)
Examines the principles and methods of adult ministry in the church with particular attention given to non-formal education. Explores the nature of defining, developing, and evaluating educational experiences in non-formal settings with an eye for their unique ministry contributions.

CFM 683. Integrative Seminar. (0 Credits)
Integrates the various courses of the CFM program into a unified whole. The Integrative Seminar fosters reflection on the academic, spiritual, and practical aspects of the degree while also assisting in plans for future growth and development in these areas. Includes a summative case study evaluation. Prerequisite: All CFM core courses must be completed or in process.

CFM 691. Concentration Mentoring Group. (0 Credits)
Within each concentration of the CFM masters program, students will meet in a small mentoring group to discuss their academic progress, spiritual formation, and development of practical ministry skills. Taken every semester, repeatable.

CFM 692. Creative Project. (2 Credits)
Prerequisite: Department approval of student’s Final Project proposal.

CFM 693. Ministry Practicum. (0 Credits)
Provides students the opportunity to participate in a ministry context, integrating the theories learned in the classroom with the practices of ministry. Includes a summative assignment in which students consider the links between ministry principles, personal formation, and practical skills.

CFM 694. Current Issues in Christian Formation and Ministry. (2 or 4 Credits)
Provides opportunity for advanced students to study collectively some topic or concept in greater depth, or to explore a specialized topic and its relationship to an understanding and practice of Christian Formation and Ministry. Topics will vary and will be determined by department faculty members.

CFM 695. Independent Study. (1 to 4 Credits)
Focuses on field or library research according to individual interests and competencies in Christian Formation and Ministry.

CFM 696. Internship. (2 to 4 Credits)
Provides advanced students the opportunity to have a better understanding of ministry theory and practice by working and studying alongside a competent, authorized professional in Christian ministry. Includes a summative paper or reflection and analysis of the learning that occurred and its significance for future ministry (due after the internship). Prerequisite: Internship application approval.

CFM 698. Applied Thesis/Thesis. (2 Credits)
Prerequisite: Dept. approval of student’s Final Project Proposal.

CFM 699. Final Project Continuation. (0 Credits)
CMHC 611. Foundations of Integration I. (1 Credit)
A seminar in which an understanding of social, cultural, and spiritual context is developed to facilitate an integrated view of the person and of mental health practice. Emphasis is on historical, philosophical, and theological perspectives.

CMHC 612. Foundations of Integration II. (1 Credit)
A continuation of seminar I which facilitates an integrated view of the person and of mental health practice. Emphasis is on application of faith practice integration to the treatment of marginalized populations and service to the church worldwide.

CMHC 613. Foundations of Integration III. (1 Credit)
A seminar that focuses on entry into clinical mental health practice, including application for licensure, models of supervision and consultation, and building a career and/or ministry in the mental health field.

CMHC 614. Group Counseling. (2 Credits)
The study of group counseling, theory, and models of practice, including the role of group leadership; tools for forming a group and orienting members; and catalysts for interaction, skills for conducting and evaluating counseling/therapy groups. Emphasis will be given to ethical issues. Must be taken concurrently with CMHC 614L.

CMHC 614L. Group Counseling Lab. (1 Credit)
Provides an experiential small group designed to promote personal and professional growth. Graded pass/fail. Concurrent registration with CMHC 614.

CMHC 618. Research Design and Program Evaluation. (3 Credits)
Overviews the research and program evaluation methodologies available to mental health professionals. Emphasis will be given to the design, implementation, and critique of clinically relevant research.

CMHC 621. Counseling Skills & Techniques. (2 Credits)
Focuses on the development of counseling skills and techniques essential to clinical mental health practice, from a humanistic/ experiential and existential perspective. Must be taken concurrently with CMHC 621L. This course is available only to CMHC students.

CMHC 621L. Basic Counseling Skills Lab. (1 Credit)
A basic skills lab involving practice, video-taped sessions, and supervision of counseling skills necessary to establishing and maintaining a professional helping relationship. Concurrent registration with CMHC 621. This course is available only to CMHC students. Graded pass/fail.

CMHC 622. Clinical Counseling Theories and Practice I. (3 Credits)
The study of theories and models of personality and psychopathology, as well as methods of counseling, from a psychodynamic perspective. Emphasis will be given to the development of appropriate counseling treatment plans. This course is available only to CMHC students.

CMHC 623. Clinical Counseling Theories and Practice II. (3 Credits)
The study of theories and models of personality and psychopathology, as well as methods of counseling, from a behavioral and cognitive- behavioral perspective. Emphasis will be given to the development of appropriate counseling treatment plans. This course is available only to CMHC students.

CMHC 624. Issues and Ethics in Professional Practice. (3 Credits)
Introduces concepts regarding the professional functioning of counselors, including history, roles, professional organizations, ethics, legalities, standards, and credentialing. Current issues in the practice of counseling in a professional setting are explored. This course is available only to CMHC students. Course Fee. (Program counseling fee – 1st semester)

CMHC 631. Lifespan Development. (3 Credits)
Addresses the major theories of human development across the life span. Stages and developmental tasks related to normal development, prevention of mental health crises, and counseling are explored. Concerns of individuals at different life stages are addressed, with an emphasis on the physical, emotional, intellectual, and spiritual growth of the individual.

CMHC 632. Crises & Community Counseling. (3 Credits)
An introduction to community and crisis counseling and models of community resiliency. Emphasis on providing evidence-based clinical interventions in disaster and crisis situations, including emergencies requiring advocacy, intervention, and support. Topics addressed include vicarious trauma, psychological first aid, suicide prevention models, and community based prevention and intervention strategies. Counselors' roles and responsibilities during crises and counselor self-care strategies will be explored. Prerequisites: CMHC 621, 625.

CMHC 633. Couples Counseling. (3 Credits)
An introduction to the practice of couples counseling, including an overview of the major models and techniques from both the professional and Christian literature with special attention to ethnicity and gender issues in couple assessment and treatment. Discussion of contemporary issues including divorce, remarriage, domestic violence, infidelity, cross-cultural marriage, same sex couples, couples in ministry, and gender issues will be emphasized.

CMHC 635. Adv Trauma Assessment. (3 Credits)
CMHC 636. Family Systems Theory and Counseling. (3 Credits)
An examination of the major models of family systems theory and counseling applied to the understanding of normal and abnormal family functioning. This course is available only to CMHC students.

CMHC 641. Assessment in Counseling. (3 Credits)
A clinical skills course focusing on the principles of measurement and assessment and counseling use of various assessment instruments: achievement, aptitude, intelligence, interest, and personality. Covers supervision in administering, scoring, and interpreting assessment tools.

CMHC 642. Psychopathology: Biological and Sociocultural Foundations. (3 Credits)
The study of the major mental disorders as defined by the DSM including an introduction to the etiology, diagnosis, treatment, appropriate psychopharmacological interventions, biological bases of behavior, and spiritual dimensions of these disorders. Explores the impact of culture and emerging technologies on the treatment of individuals and groups.

CMHC 644. Child and Adolescent Development and Treatment. (3 Credits)
An examination of the models of understanding child and adolescent development and psychopathology and an introduction to the treatment modalities for children and adolescents.
CMHC 647. Foundations of Play Therapy. (3 Credits)
Provides an overview of the essential elements and principles of play therapy, including history, theories, modalities, techniques, applications, and skills. Emphasizes an experiential component focused on basic play therapy skill development within the context of ethical and diversity sensitive practice. Prerequisites: CMHC 621, 622, and 631 or permission of instructor.

CMHC 649. Multicultural Issues and Social Advocacy in Counseling. (3 Credits)
Examines theories of multicultural counseling, identity development, pluralistic trends, and the application of culturally appropriate intervention strategies to individuals, couples, families, groups, and communities. Major ethnic groups are studied, along with the counseling, social justice, and advocacy approaches to each. Counselor cultural self-awareness and the role of counseling in eliminating bias, prejudice, oppression, and discrimination are emphasized.

CMHC 651. Substance Abuse and Addictions. (3 Credits)
A survey of basic issues surrounding the conceptualization, etiology, progression, assessment, and treatment of chemical abuse, dependence, and addiction, including the study of the family of the chemically dependent individual.

CMHC 653. Lifestyle & Career Development. (3 Credits)
An overview of theories of occupational choice and career development and their application to assessing, treating, and preventing career problems across the life cycle.

CMHC 691. Comprehensive Exit Exam. (0 Credits)
Objective written comprehensive exam that may be taken at any point in the program once the student has completed 36 hours of coursework. The exam covers the eight CACREP common core areas: Human Growth, Social and Cultural Foundations, Helping Relationships, Group Counseling, Career and Lifestyle Development, Appraisal, Research and Program Evaluation, and Professional Orientation and Ethics. Students are permitted up to 3 exam attempts within 12 months before being assigned a final grade in the course. Students have one year from the first test date to retake the test twice (for a total of three times). Course is not repeatable. Prerequisites: CMHC 614, 614L, CMHC 618, 621, 621L, CMHC 622, 623, 624, 631, 641, 642, 649, and CMHC 653. Graded pass/fail. Fee $50

CMHC 692. Graduate Counseling Practicum. (3 Credits)
Introductory supervised field experience that provides students with the opportunity to observe clinical mental health professionals as they function and to develop primary level mental health service provision skills. Participation in a regularly scheduled professional development seminar with faculty is required. Graded pass/fail.

CMHC 695. Independent Study. (1 to 4 Credits)
Guided research on an elected problem in counseling or the related fields of prevention or psychoeducation.

CMHC 696. Graduate Internship. (3 or 6 Credits)
Supervised clinical experience in an approved setting that provides students with the opportunity to develop entry level counseling skills necessary for professional mental health practice. Participation in a regularly scheduled professional development seminar with faculty is required. Prerequisite: CMHC 692. Graded pass/fail.

CMHC 698. Advanced Graduate Internship. (1 to 3 Credits)
Supervised clinical experience in an approved setting that provides students with the opportunity to develop advanced counseling skills. Participation in a regularly scheduled professional development seminar with faculty is required. Prerequisite: CMHC 696 or permission of CMHC program director. Graded pass/fail.
COMMUNICATION (COMM)

COMM 101. Public Speaking. (2 Credits)
A performance-based course to aid students in the invention, organization, delivery, and criticism of informative and persuasive speeches. This course does not meet major requirement. Gen Ed Oral Communication competency.
General Education: COMP

COMM 171. Introduction to Acting. (2 Credits)
An investigation of the fundamentals of acting technique through foundational exercise and scene work, including observation, physical awareness, stage discipline, and text analysis.
Tags: VPAT

COMM 201. Fundamentals of Oral Communication. (4 Credits)
A performance-based course involving the nature of communicative interactions, message construction and criticism, and ethical responsibilities involved in communicating. Required of majors and minors. Gen ed oral communication competency, for majors and minors only.
General Education: COMP

COMM 215. Journalism. (4 Credits)
An overview of basic writing skills utilized in mass media, with a practical emphasis on the gathering and writing of news and sports, and analysis of campus and metropolitan newspapers.

COMM 219. Journalism Co-Curricular. (0 Credits)
A periodic gathering of journalism students for the purpose of applying and broadening the academic discussion of journalism. Students are required to attend two approved events per semester for four semesters.

COMM 221. Interpersonal Communication. (4 Credits)
An examination of face-to-face interactions using cognitive learning, skills training, and experiential techniques to better understand and interact with others. Topics include verbal messages, nonverbal communication, listening, self-disclosure, conflict, gender roles, and intercultural communication.

COMM 223. Communication & Diversity. (2 Credits)
An overview of how perceived difference shapes and influences our interaction with others. Discussion covers the impact of diversity on language, nonverbal communication, mediated messages, relationships, and conflict. Course may be repeated for credit in Gender or Intercultural communication.

COMM 241. Media Studies. (4 Credits)
An introduction to approaches and practices used to examine and evaluate the media environment. Background readings, examination of current criticism, and beginning practice in media criticism are employed.

COMM 243. Digital Society. (4 Credits)
An examination of the new media environment and its influence on social spaces, cultural meanings, and human interactions.

COMM 246. Media Production. (4 Credits)
An overview of media production skills with an emphasis on recording, editing, and producing using new media technologies and distributing them in varying outlets. Students will be expected to create video blogs, podcasts, and other new media texts.

COMM 252. Argumentation and Debate. (4 Credits)
A performance-based course in which students learn argument design, including use of reason and evidence, and practice in competitive debate. Gen Ed Oral Communication competency.
General Education: COMP

COMM 253. Messages, Influence, and Culture. (4 Credits)
An introductory study of the relationship between rhetoric and social change, focusing on the rhetoric of oppressed groups in America. Topics include the rhetoric of social movements, poverty, race, gender, and power.
Tags: DUS

COMM 271. Theater Survey. (4 Credits)
An exploration of the history of theater, the nature of theater as a communication art, and the roles of playwright, director, scenographer, actor and audience.
Tags: VPAT

COMM 272. Scenography. (4 Credits)
An exploration of scenographic theory and production practices necessary to move theater design from page to stage, including scene design, stage lighting and costuming. Prerequisite: COMM 271 or permission of instructor.

COMM 273. Acting I. (4 Credits)
An investigation of the fundamentals of acting technique through foundational exercise and scene work, including observation, physical awareness, stage discipline, and text analysis. Prerequisite: COMM 271.

COMM 275. Musical Theater London. (2 Credits)
Offered as part of the Arts in London program. Students will explore Musical Theater as a communication art form. Emphasis will be placed on understanding historical development, establishing criteria for evaluating live performance, and developing basic presentation skills. Cross-listed with MUCS 275. Alternate years; offered summer in even years. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPAM.
Tags: VPAM

COMM 296. Journalism Practicum. (2 to 4 Credits)
A lower level experiential learning internship enabling students beginning their journalism program to gain hands-on experience under professional supervision. The Program Coordinator will supervise this course in conjunction with a site supervisor. Internship form required.

COMM 301. Communication Theory. (4 Credits)
An overview and integration of current approaches to understanding interpersonal, small group, organizational, mass, and intercultural communication. Prerequisite: COMM 201 and Junior standing or permission of instructor.

COMM 302. Rhetorical Theory. (4 Credits)
An historical and critical analysis of the modes of persuasion. The contributions of Plato, Aristotle, Cicero, Quintilian, Augustine, as well as selected medieval, renaissance, modern, and postmodern theorists will be considered. Prerequisite: Junior standing or permission of instructor.

COMM 311. Human Communication Research. (4 Credits)
An overview of methods and techniques for systematic observation of communication behavior. Students will learn to design, run, and analyze various qualitative and quantitative methods in areas of their communication interest. Prerequisites: COMM 201 and COMM 301, or permission of instructor.
Tags: SI

COMM 312. Communication Criticism. (4 Credits)
A study of communication performances using a variety of methods, with special attention to textual analysis. Texts selected will be taken from mass media, theater, and public speaking. Prerequisites: COMM 201, and COMM 301 or 302, or permission of instructor.
COMM 324. Communication and Diversity. (4 Credits)
An overview of how perceived difference shapes and influences our interaction with others. Class discussion covers the impact of diversity on language, nonverbal communication, mediated messages, relationship, and conflict.

Tags: DUS

COMM 341. Media, Religion and Culture. (4 Credits)
An examination of the intersection of media and religion from a cultural and theological perspective. Prerequisite: COMM 241 or permission of instructor.

COMM 343. Writing for Media. (4 Credits)
An overview of the craft of writing promotion and programming for radio, television, feature film, and multimedia. Prerequisite: COMM 241 or permission of instructor.

COMM 345. Narrative Media. (4 Credits)
A skills-based course in non-linear editing, advanced techniques of media production, sound design, and directing. Students will make a narrative or documentary visual production, utilizing lighting, sound, and directing.

COMM 353. Advanced Persuasive Speaking. (4 Credits)
A skills-based class in which students become proficient in researching and delivering public speeches and oral performance within a variety of contexts. Prerequisite: COMM 101, 201, 252, or passed oral competency exam.

COMM 362. Group Dynamics. (2 Credits)
An experiential course which integrates theory and practice in small task groups. Topics include roles and leadership, discussion, decision making and problem-solving, social influence, conflict, power, and interaction in peer groups.

COMM 363. Persuasion. (4 Credits)
An examination of theories of attitude and behavior change, specific techniques of persuasion, and analysis of contemporary practitioners. Students will gain experience in attitude research and preparing a persuasive strategy.

COMM 367. Reconciliation & Conflict Resolution. (2 Credits)
This course provides theoretical and practical resources for working through conflict in interpersonal, group, and international contexts. An emphasis will be placed on negotiation tactics and reconciliation processes.

COMM 373. Theater Workout. (0 or 1 Credits)
Prerequisite: Permission of instructor. One hour credit per year. Register for credit in Spring semester. Graded pass/fail

COMM 374. Directing. (4 Credits)
An investigation of the stage director’s art and craft: play selection, casting, mounting the play, rhythm, characterization, and actor-director relationships. Prerequisites: COMM 271 and 273. Fee for Chicago theater.

COMM 375. European Theater Studies. (2 Credits)
Students will study contemporary European theater in production. Selected playwrights, performance theory and styles will be studied in the class to be used as a basis for the evaluation of live performances in London, Paris, Berlin and Prague.

COMM 376. Church And Theater. (4 Credits)
An investigation of the theological and aesthetic relationships of the church to the dramatic arts. Lab experiences facilitate practical application of these discoveries.

COMM 393. Intercollegiate Debate (Practicum). (0 or 1 Credits)
Prerequisite: Permission of instructor. One hour credit per year (4 hours maximum; 2 hours maximum if combined with COMM 252). Register for credit in Spring semester. Graded pass/fail.

COMM 415. Special Topics in Journalism. (4 Credits)
An advanced study of such topics as interviewing, community journalism, ethics and the law, and investigative reporting. Guest instructors will be selected who have established professional success in journalism. Course may be repeated for separate topics. Prerequisite: COMM 215 or permission of instructor.

COMM 416. Special Topics in Journalism. (2 Credits)
An advanced study of such topics as interviewing, community journalism, ethics and the law, and investigative reporting. Guest instructors will be selected who have established professional success in journalism. Course may be repeated for separate topics. Prerequisite: COMM 215 or permission of instructor.

COMM 424. Special Topics in Interpersonal Communication. (2 or 4 Credits)
An advanced study of such topics as listening, nonverbal communication, friendship, family relationships, non-profit organizations, and sports communication. Prerequisite: COMM 221 or permission of instructor. Course may be repeated for separate topics.

COMM 444. Special Topics in Media and Culture. (2 to 4 Credits)
An advanced study of such topics as globalization, iconomy, virtual identities, and media and politics. Prerequisite: COMM 241 or COMM 253, or permission of instructor. Course may be repeated for separate topics.

COMM 445. Media Constructions. (4 Credits)
An advanced study of professional-level video production, with structured teaching leading to high quality portfolio presentations in the media industry. Prerequisites: COMM 246 and 345 or permission of instructor.

COMM 454. Special Topics in Rhetoric & Culture. (2 or 4 Credits)
An advanced study of such topics as Civic Discourse, Critical Approaches to Rhetoric and Culture, and Public Advocacy. Prerequisite: COMM 253 or permission of instructor. Course may be repeated for separate topics.

COMM 461. Organizational Communication. (4 Credits)
An application of communication theory and research in work contexts. Both corporations and non-profits will be examined through case studies, site visits, interviews, applied research, and team work projects.

COMM 473. Acting II. (4 Credits)
An application of developing acting skills to a series of exercises, monologues and scenes. Prerequisites: COMM 271, 273, or permission of instructor. May be repeated as Acting II: Shakespeare.

COMM 474. Special Topics in Theater. (2 or 4 Credits)
An advanced study of such topics as Theories of Contemporary Theater, Advanced Production, and Theater and Culture. Prerequisite: COMM 271 or permission of instructor. Course may be repeated for separate topics.

COMM 476. Theater and Culture. (4 Credits)
The course will examine the role of the theater as a vehicle of social change throughout history and in contemporary culture. Through selected play readings and laboratory experiences, the student will be challenged to explore the responsibility of the Christian theater artist to his/her local and global community. Prerequisite: COMM 271 or permission of instructor.
COMM 494. Senior Seminar. (2 Credits)
An overview and integration of ethical perspectives as students consider
the role of responsible communication in contemporary society.
Development of the portfolio assessment is included. Prerequisite:
COMM major with Senior standing.

COMM 495. Independent Study. (1 to 4 Credits)
An investigation of current issues and developments in a specialized
area of communication. Prerequisites: two appropriate Communication
courses and permission of a professor.

COMM 496. Internship. (2 to 4 Credits)
An application of course work that engages the student in a responsible
role as a worker in an organization or other practical experiences.
Prerequisites: 16 hours in Communication; junior or senior standing with
Communication major or minor. Graded pass/fail. (may be repeated for a
maximum of eight credits, but only four hours count toward the major.)

COMM 498. Journalism internship. (2 or 4 Credits)
An application of course work that engages the student in a responsible
role as a worker in the journalism profession. This experience will receive
a letter grade based on a portfolio of work, journal entries, summative
essay, and site supervisor evaluation.
COMPUTER SCIENCE (CSCI)

CSCI 233. Introduction to Scientific Computing. (4 Credits)
Introduction to programming and computer analysis of data for scientific applications. Scripting and treatment of numerical issues are integrated into the content stream.

CSCI 235. Programming I: Problem Solving. (4 Credits)
A first course in computer programming for beginners. Structured and object-oriented programming in Java or a similar programming language. Types, control structures, methods, and recursion; objects, classes, interfaces, encapsulation and polymorphism; exceptions, library classes, file I/O, linked lists, and graphical user interfaces.

CSCI 234. Discrete Mathematics and Functional Programming. (4 Credits)
Sets, logic, the nature of proof, induction, algorithms, algorithm correctness, relations, lattices, functions, and graphs. Functional programming and recursion using the ML programming language. May not be taken after MATH 341 or MATH 351.

CSCI 245. Programming II: Object-Oriented Design. (4 Credits)
A gateway to the computer science major; introducing a range of themes in the field of computer science. Object-oriented programming in Java or a similar language: code reuse with composition and inheritance; generic types; design patterns. Software development: development tools, attributes of good design. Algorithmic analysis; searching and sorting algorithms. Abstract data types: stacks, queues, trees, hashing; linked vs array-based implementation. Systems programming in C; pointers and dynamic allocation; model of machine memory, organization, and execution. Prerequisite: CSCI 235 or departmental approval.

CSCI 335. Software Development. (4 Credits)
Principles and practices of software development including design patterns, validation and testing, coordination of team projects. Introduction to databases and user interface design. Professional issues in computing. Prerequisite: CSCI 245; Pre or Corequisite: CSCI 243.

CSCI 345. Data Structures & Algorithms. (4 Credits)
Formal and experimental approaches to verifying algorithms’ correctness and analyzing their efficiency. Abstract data types and their implementations. Efficient implementations of maps using balanced binary search trees and hash tables. Graph algorithms. Dynamic programming. Prerequisites: CSCI 243 and CSCI 245.

CSCI 351. Introduction to Computer Systems. (4 Credits)
An introduction to low-level systems issues from the perspective of the programmer. Representation of both data and program as produced by a compiler; hardware support for memory, input/output, and parallelism; fundamental ideas in operating systems and networking. Prerequisite: CSCI 245.

CSCI 357. Networking. (4 Credits)
Examination of the fundamental problems in computer internetworking, from the link to application levels, with particular attention to the Internet protocols. Issues include naming/addressing, error-handling, routing, and decentralized control. Prerequisite: CSCI 351.

CSCI 361. Computer Graphics. (4 Credits)
Introduction to graphical programming environments, OpenGL libraries. Rendering three-dimensional images, transformations, windowing, clipping, shading, and image enhancements. Prerequisite: CSCI 345.

CSCI 365. Programming Language Concepts. (4 Credits)
A survey of the design and implementation of programming languages: grammars, parsing, and abstract syntax; compilers, interpreters, and other language systems; type-checking and other static analyses; formal semantic specifications; implementation of imperative, functional, and object-oriented language features; type-soundness proofs; tail form and continuation passing style. Prerequisites: CSCI 335 and CSCI 351.

CSCI 371. Database Management Systems. (4 Credits)

CSCI 384. Computational Linguistics. (4 Credits)
An exploration of big ideas in computational linguistics, natural language processing, and/or language technologies. Language models, n-grams, information theory and entropy, and semantics. Applications of computational linguistics such as part-of-speech tagging, authorship attribution, automatic translation, and sentiment analysis. Prerequisite: CSCI 345 (non-majors without the prerequisite may enroll with departmental approval).

CSCI 394. Seminar. (2 or 4 Credits)
Selected topics in Computer Science at each offering, including such subjects as object-oriented design, e-commerce, human computer interface, networking services. May be taken again when a different topic is offered. Prerequisite: Departmental approval.

CSCI 445. Analysis of Algorithms. (4 Credits)
An introduction to algorithmic efficiency and to techniques for the design and analysis of efficient algorithms. General topics include review of asymptotics, algorithm design techniques (such as divide-and-conquer, dynamic programming, and greedy algorithms), graph algorithms, languages and automata, and NP-completeness. Prerequisite: CSCI 345.

CSCI 455. Operating Systems. (4 Credits)
Dynamic process activation, system structure, abstract machines, kernels, performance evaluation, memory management, processor management, time management, recovery procedures, file systems, security, scheduling, device management, networks. Prerequisites: CSCI 335 and CSCI 351.

CSCI 493. Mentoring Seminar. (2 or 4 Credits)
Faculty and student collaboration on a project of mutual interest. Limited enrollment - faculty approval required.

CSCI 494. Social and Ethical Issues in Computing. (2 Credits)
A study of the ways in which the computer and communications revolution is changing society to develop an awareness of and sensitivity to the ethical issues that arise in computer science and related professions. Prerequisite: Senior standing in the major.

CSCI 495. Independent Study. (1 to 4 Credits)
An individually adapted study of any aspect of computing science or its relationship to other fields of study.

CSCI 496. Internship. (2 or 4 Credits)
Graded pass/fail. Prerequisite: junior or senior standing with Computer Science major. May repeat once for a total of 4 hours.
CORE STUDIES (CORE)

See CORE 101 sections (p. 103) for descriptions of the last 4 weeks of the semester and the instructor’s 1/3 specialized content. CORE 101 is a prerequisite to any CORE 300 AIS course.

CORE 101. First Year Seminar: Enduring Questions. (4 Credits)
This course introduces students to practices of integrative thinking by engaging challenging, theologically significant questions in a seminar-style course organized around a theme tied to the faculty member’s specialty. The course will have three interrelated components: foundations for addressing the value and purpose of liberal arts education, focused study of the abiding liberal arts question “What is the good life?,” and exploration of a related perennial question chosen by the instructor. All components of each seminar will emphasize integrative intellectual practice and model the integration of faith and learning in the liberal arts context. Please note these descriptions are for the last 4 weeks of the course and do not describe the focus for 2/3 of the semester and the first 12 weeks of the course.

CORE 301. AIS: Human Trafficking: Causes, Consequences and Responses. (4 Credits)
This course examines the causes and consequences of human trafficking from diverse disciplinary perspectives, including political science, economics, history, theology and psychology. The course covers the definitions and historical development of sex and labor trafficking and critically reflects on diverse efforts to reduce trafficking in human beings, including Christian responses to slavery over time.

General Education: SHAR

CORE 302. AIS: Political Science Fiction. (4 Credits)
This course takes up important works of science fiction to engage on important themes in moral and political theory and the interrelation of philosophical reflection, imaginative literature, and theological commitment.

Tags: LE
General Education: SHAR

CORE 303. AIS: Making the Modern Middle East. (4 Credits)
This course introduces the modern Middle East drawing upon a variety of disciplinary perspectives including history, post-colonial theory, and religious studies. The historical and geographical scope of the course will be from the final decades of the Ottoman Empire to the formation of modern Iraq, Iran, Turkey, Lebanon, Syria, Egypt, Saudi Arabia, Jordan, Palestine, and Israel. Special attention will be given to the cultural impact of imperialism and contemporary political and social trends in the region.

Other course themes include European and American involvement in the Middle East, the growth of Islamic reform movements and Arab nationalism, Zionism, competing visions of womanhood in Islam and Judaism, religious fundamentalism (Christian, Islamic, and Jewish), and the history leading up to the Arab Spring. Our goal will be to understand how we as Christians can respectfully engage the Middle East in cultural encounters, whether through foreign policy, cultural productions, travel, humanitarian work, academics, missions, and so much more. (cannot satisfy HP secondary tag in transition gen ed).

Tags: GP, HP
General Education: SHAR

CORE 304. AIS: Christian Environmental Stewardship. (4 Credits)
Students will examine the biblical mandate for creation care and develop a personal response to the call for stewardship of land and creature. This course will provide students with a basic understanding of ecosystem biology and provide the framework for which students can understand the need for resources and the impact of resource extraction on human health, while providing a biblical and theological lens for developing an appropriate response.

Tags: Sip
General Education: SHAR

CORE 305. AIS: Spiritual Formation in Young Adulthood. (4 Credits)
Explores the development of faith during the years of emerging adulthood (18-29), focusing on the connections between Christian spiritual formation and the psychological and sociological dimensions of this life stage. Emphasizes the formation of faith within the context of emerging adult identity, worldview, vocation, morality, sexuality, and church participation.

Tags: SI
General Education: SHAR

CORE 306. AIS: Drugs, Society, and Religion. (4 Credits)
This course examines the psychological effects and neurobiological mechanisms of action of psychoactive drugs. Drugs are used in the treatment of psychopathological disorders, recreational substances of abuse, and in some cultures for religious rituals. This course is designed to provide undergraduate students interested in the mechanisms of action of drugs on the brain, how they are understood in different societies, and how they have historically been used for recreational and religious purposes.

Tags: SIP
General Education: SHAR

CORE 307. AIS: Cosmology. (4 Credits)
Cosmology refers to the scientific study of the large scale properties and history of the physical universe as a whole. Utilizing the methods of science, it seeks to understand the origin, evolution and ultimate fate of the universe. Cosmology also refers to philosophical inquiry into the history and general structure of the universe, especially with respect to questions of origin, fundamental elements, causality, laws and agency. Drawing upon these disciplines, this course aims toward formulating a fully informed, deeply integrated understanding of the world in which we live, move, and have our being. (cannot satisfy PI secondary tag in transition gen ed).

Tags: PI, SIP
General Education: SHAR

CORE 308. AIS: Engaging Arts in the City. (4 Credits)
A multi-arts experience and analysis course in Chicago (or other city) comprised of a series of site visits to art events/performances/organizations chosen for their embodied, authentic responses to life. Site visits may include professional or educational productions that have musical, theatrical, dance, visual arts, or any kind of collaborative arts focus. Through seminar presentations, discussions, and final projects, students will learn how to decode what inspires an artwork’s creation, and how to listen and respond to cultural and art modality otherwise.

Tags: VPA
General Education: SHAR
CORE 309. AIS: Native Jesus: The Art & Literature of Native America. (4 Credits)
This course examines art and literature of Native North American communities, both ancient and modern, with a view to how such communities relate to the Christian tradition. How is Christianity rejected, appropriated, or transformed through Native American literature and art? What has Cahokia to do with Jerusalem? Following a historical overview, the course is organized geographically, covering all the major areas of native culture on this continent (South, East, West, & North) culminating with our own region of the Midwest. Native artistic responses to modernity are also considered. Multiple area site-visits and meetings with Native Americans will enhance student investigations. (Cannot satisfy LE secondary tag in transition gen ed).
Tags: LE, VPAV
General Education: SHAR

CORE 310. AIS: Native Chicago: American Indians in the Midwest. (4 Credits)
This course examines Native American communities from diverse disciplinary perspectives including anthropology, history, political science, and theology. Students will study the culture, social structures, and history of indigenous peoples in the Great Lakes Region from the development of human societies in North America to the twentieth century. Topics include: Early Indigenous Communities, Cross-Cultural Contact with Diverse Ethnic and Racial Communities, Native Responses to Christianity, Conflict and Collaboration in Colonial America, Indian Removal and Resistance, and Contemporary Issues such as Treaty Rights, Gaming, Cultural Preservation, and Education.
Tags: DUS, SI
General Education: SHAR

CORE 311. AIS: The Good in the Great Plagues. (4 Credits)
An interdisciplinary consideration of major infectious disease epidemics throughout history. This course is a survey and analysis of the impact of epidemic diseases and their potential beneficial outcomes. The diseases discussed will include leprosy, several pandemics of plague, tuberculosis and AIDS, among others. The biological basis for the diseases will be presented along with the historical and social context for each. An emphasis will be placed on the intersection of scientific and theological perspectives on the impact that major infectious diseases have had.
Tags: SIP
General Education: SHAR

CORE 312. AIS: Native Chicago: American Indians in the Midwest. (4 Credits)
This course examines Native American communities from diverse disciplinary perspectives including anthropology, history, political science, and theology. Students will study the culture, social structures, and history of indigenous peoples in the Great Lakes Region from the development of human societies in North America to the twentieth century. Topics include: Early Indigenous Communities, Cross-Cultural Contact with Diverse Ethnic and Racial Communities, Native Responses to Christianity, Conflict and Collaboration in Colonial America, Indian Removal and Resistance, and Contemporary Issues such as Treaty Rights, Gaming, Cultural Preservation, and Education.
Tags: DUS, SI
General Education: SHAR

CORE 313. AIS: Sport, Faith, and Social Change. (4 Credits)
Sport and athletes have often been agents of social change, at times challenging norms and assumptions concerning identity, personhood, gender, race, and sexuality. In this class, we will examine how sport and moments in sport history has served as a public stage to perform dramas of social change leading to larger movement activities that impacted culture. Students will apply theories and explore research of mediated sports events to understand their impact and gain perspectives on how sports may be exploited to enact social change. This class will examine sport in three dimensions: as an artifact of our society and mediated history; as an arena where social, cultural, and political issues are contested; and as a vehicle for spiritual reflection and growth. We will examine how we can encounter the Holy in the midst of sports and its impact on developing a critical assessment of one's values.
Tags: SI
General Education: SHAR

CORE 314. AIS: Economy & Society. (4 Credits)
Economic sociology has sought to understand the beliefs, norms and institutions that shape and drive the global economy. Markets, organizations, and individual economic actors cannot be understood outside of their social and cultural context. In interacting with texts primarily by sociologists and economists, in addition to historians, anthropologists, and political scientists, this class aims to use a broader social scientific approach to understand the relationship between economy and society, and the ways in which social networks, norms and institutions matter in economic transactions.
Tags: SI
General Education: SHAR

CORE 315. AIS: Social Network Analysis. (4 Credits)
This advanced integrative seminar is designed to give students the basic tools to ascertain if particular missionaries, based on their primary documents, were engaged in a "holistic" Gospel or one that conflated non-spiritual enterprises. Basic Greek tools, historical methodologies, and social network analysis (NodeXL) will be utilized in this course.
Tags: SI
General Education: SHAR

CORE 316. AIS: Sport Psychology. (4 Credits)
A survey of the theory, research, and applications of psychology pertaining to sports. This course will prepare students to: 1) discuss and understand the psychological factors that influence involvement and performance in sports, 2) apply psychological research and theories to one's own sports involvement as a participant (e.g. teacher, coach, athlete, etc.). The course will examine psychological variables that can hinder or enhance athletic performance, which may include attention, arousal, motivation, relationships, mental imagery, gender and diversity issues, eating disorders, and substance abuse. PSYC 101 suggested.
Tags: SI
General Education: SHAR

CORE 317. AIS: Media Revolutions from Gutenberg to Google. (4 Credits)
From Gutenberg to Google, communication technologies have changed how people work, live, think, interact, and collaborate. They have bound humans together in unprecedented ways, opening up new individual possibilities but also unleashing disruptive collective energies. Together we will explore how "new media" - from the first printed books of the fifteenth century to the networked computing devices of the twenty-first century - have shaped the modern world. This is an interdisciplinary course. We will learn about theories and methods different disciplines use to study the media and will develop critical tools for understanding our own ongoing digital and information revolution.
Tags: HP, SI
General Education: SHAR

CORE 318. AIS: Faith, Reason, and Politics in Islam. (4 Credits)
This course examines the development of Islamic political philosophy from its origins under Muhammed in the seventh century through to its central role in modern day politics throughout the world.
Tags: GP, PI
General Education: SHAR
CORE 319. AIS: Epic and Philosophy: From Achilles to Ahab. (4 Credits)

Students will engage with two monumental literary texts—the Iliad and Moby Dick—by using the tools of both the disciplines of literature and philosophy. Students will also read selections from the western philosophical canon (thinkers like Plato, Aristotle, Nietzsche, Camus, Kierkegaard, and MacIntyre) that will be placed in conversation with these literary texts. These readings, and the discussions that accompany them, will center around certain perennial questions, especially those having to do with ethics and the good life: e.g., what (and who) is good and just and how do we know? Through a series of writing assignments that require the close-reading of literature and analysis of philosophical arguments, students will compare and examine their own understanding of these perennial questions from the perspective of their own faith. Finally, they will write a term paper that synthesizes their learning from both sorts of readings and that requires them to do further research.

Tags: LE, PI
General Education: SHAR

CORE 321. AIS: ‘Holla If Ya Hear Me’: Engaging Hip-Hop Culture. (4 Credits)

On August 11, 1973, a Jamaican-American named Clive Campbell hosted a house party at 1520 Sedgwick Avenue in the Bronx with little more than a couple of turntables and amplifiers. Music and cultural historians often regard Campbell’s party as the founding event for what has come to be known as hip-hop. Almost fifty years later, hip-hop thrives as one of the most popular, yet controversial, forms of cultural expression in contemporary society with footlocks in music, fashion, art, business, activism, and politics around the globe. From an interdisciplinary perspective, this course will examine the origins, themes, and social impact of rap music as an outgrowth of hip-hop culture. This course will prepare students to critically engage and evaluate popular forms of cultural expression with academic rigor and biblical principles.

Tags: DUS, VPAM
General Education: SHAR

CORE 322. AIS: What is Money Good For? - A Comparative Global Investigation. (4 Credits)

What is money good for? Why do some people have so much and others so little? Can a person deserve prosperity? How should we spend our money? How do our purchases shape who we are? Why should we give, and how? If you wrestle with these questions, you are not alone. People across the world find ways to answer these questions, and their diverse answers are likely to surprise, confound, convict, and also inspire us. In this course we consider a wide spectrum of responses to moral questions about money from the United States and around the world. We read works by Christians, anthropologists, and other theorists in order to craft more nuanced Christian responses to these questions. Along the way, we gain perspectives on cultural diversity and the causes of economic inequalities both within the United States and around the world.

Tags: DUS, GP
General Education: SHAR

CORE 323. AIS: Humanitarian Disasters and Recovery. (4 Credits)

Exploration of scientific and social understanding of humanitarian disasters including the causes of natural and human-caused disasters, approaches to prediction and mitigation, impacts on communities and societies, approaches to recovery and care, resilience, theological implications and the role of faith-based responders.

Tags: SI, SIP
General Education: SHAR

CORE 324. AIS: Black Bodies in Literature and Theology. (4 Credits)

Literature and theology are disciplines uniquely equipped to help us learn about and respond to the viscerality of race and racism in the United States. They help us engage the difficult stories of embodied people—people created in the image of God and redeemed by a savior who made the particulars of the visceral body his own. Through reading and discussion of contemporary African American literature and theology, we will acknowledge and lament sin against black bodies and look for healing and redemption. This seminar will help students consider the ways their own embodied experience is implicated in the conversation about race and racism in the United States as well as to receive and respond to the experiences of others in the community of the love of the Trinity.

Tags: DUS, LE
General Education: SHAR

CORE 325. AIS: Nature, Environment, and Society. (4 Credits)

An interdisciplinary exploration of contemporary environmental issues and problems. The understanding of the natural world will support the analysis of the role of society in creating, perpetuating and addressing these challenges. The role of personal and cultural responsibility for stewarding the natural environment will be emphasized. Field and classroom investigations will focus on the Black Hills context. Course fee $50

Tags: SIP
General Education: SHAR

CORE 326. AIS: Classics of Christian Devotion. (4 Credits)

This course examines the human longing for a relationship with God. Competing with this deep desire is the complexity of external and internal barriers. The best of Christian writers have recognized that this yearning for God must integrate both the interpretative and affective dimensions of awareness. Built on the foundation of differing methods of interpretation, this course is structured around the literary genres of narrative, visionary discourse, hymns, prayers, sermons, letters, autobiography, aphorisms and novels that both inform and transform the cultivation of intimacy with God. These classic texts are from both the Roman Catholic and Protestant traditions. Since many contemporary Evangelicals are unfamiliar with their own spiritual heritage, this course compares and contrasts Evangelical spiritual texts with pre-eighteenth-century Roman Catholic and Protestant literature.

Tags: LE
General Education: SHAR

CORE 327. AIS: Propaganda and Image in Everyday Life. (4 Credits)

Propaganda techniques have saturated everyday life. By studying primary sources from ancient and modern authors, and applying the lessons of 20th century propaganda campaigns to today’s public persuasion, students will critically engage distinctions between propaganda and ethical communication, between truth and image, and between the artificial and the real.

Tags: PI
General Education: SHAR
CORE 328. AIS: Mary, Mother of God. (4 Credits)
This course is a tour through twenty centuries of Christian perspectives on the Virgin Mary. Anchored in exegesis of Scripture, students evaluate church tradition as expressed through apocryphal, theological and devotional texts, with a special emphasis on visual art. Together we ask which aspects of the Marian tradition can be affirmed or celebrated, and which aspects should be criticized or rejected. Student projects examine historical theology, visual art and feminist concerns with an eye toward how the Marian tradition can enrich the contemporary church.
Tags: HP, VPAV
General Education: SHAR

CORE 329. AIS: Neurobiology and Spiritual Formation. (4 Credits)
Engages students in considering the nexus between the anatomy and physiology of the brain and the spiritual formation of human persons from a Christian worldview. Students will be required to examine how each of these disciplines informs the other, to learn a variety of epistemologies from different disciplines and apply them to this area, to intelligently critique research and applications, and to integrate neurobiological research with spiritual practices and formation of human persons.
Tags: SIP
General Education: SHAR

CORE 331. AIS: Ugaritic Language and Literature. (4 Credits)
This course is intended to introduce students to the language, history, and literature from the ancient 'city-state' of Ugarit. Language competency in Hebrew recommended.
Tags: HP, LE
General Education: SHAR

CORE 332. AIS: Women Writing Theology. (4 Credits)
This course explores works of literary and theological merit by women investigating ideas about God, the self, and society. Drawing on writings of women from different eras, cultures, and backgrounds, the course encourages students to dialogue with fiction and non-fiction writings, including novels, poetry, life writings, and systematic theologies, by women to understand better how women have communicated theological ideas through a wide range of literary and theological forms.
Tags: LE
General Education: SHAR

CORE 333. AIS: Country Behind the Curtain: Public Institutions & Private Life in the German Democratic Rep. (4 Credits)
During its 40-year history, the German Democratic Republic (GDR), aka East Germany, was divided from its western counterpart by ideologies, alliances and institutions - and, after 1961, by a fortifies border that came to symbolize the Cold War. Through interaction with post-1989 oral histories, prose and poetry from East German authors, and pre- and post-unification films, students in this AIS will explore the fundamental paradoxes between public institutions and private life in the GDR, wrestling with the central irony that private convictions and aspirations became a key factor in its dissolution.
Tags: HP, LE
General Education: SHAR

CORE 334. AIS: Race, Theology, and Place in Chicago. (4 Credits)
A theological investigation into Christianity and racial segregation in Chicago. This course explores the importance of geographical location for racial reconciliation, developing a vision for church unity rooted in place.
Tags: DUS
General Education: SHAR

CORE 335. AIS: The Holocaust and Contemporary Jewish Experience. (4 Credits)
Written and oral analysis of depictions of the Holocaust in various national literary and cinematic media and of contemporary Jewish authors in German-speaking countries; exploration of issues facing contemporary Jews in German-speaking Europe. Includes research paper.
Tags: GP
General Education: SHAR

CORE 336. AIS: Energy for the Future. (4 Credits)
An examination of the science, history, and social impacts of energy generation and use in the U.S. and global contexts; Christian perspectives on personal and societal decision-making regarding future energy generation and use.
Tags: SIP
General Education: SHAR

CORE 337. AIS: Justice, Law and Society. (4 Credits)
This course investigates traditions of thought on the nature of justice and law in society. It introduces students to general theories of jurisprudence and explores histories of legal traditions that are rooted in the ancient worlds of the Near East, Greece, and Israel and how they have influenced and differ from modern American contexts.
Tags: HP, PI
General Education: SHAR

CORE 338. AIS: The Physics of Sound. (4 Credits)
Basic concepts of sound and acoustics, including the following: vibrations, waves, instrument design, fundamentals and overtones, musical scales, harmony, noise, physical and physiological production, detection of sound waves, acoustical properties of materials and enclosures. Discussion and investigation of sound in the human context of psychology, physiology, neuroscience, and aesthetics, as well as how some areas of investigation of sound, such as human perception, are yet to be fully understood.
Tags: SP
General Education: SHAR

CORE 339. AIS: Remembering Africa's Oral Past. (4 Credits)
This course equips students to both appreciate and analyze how intergenerational communities on the African continent have preserved knowledge of their pasts through sophisticated and emotive musical traditions. The course's focus on musical and other oral sources empowers students to access the historical knowledge of communities which chose to invest their intellectual energy in song and poetry rather than written text, while also equipping students to appreciate how beautiful and intellectually complex music and poetry flowed from the particular historical experiences of composers and performers in Africa.
Tags: HP, VPAV
General Education: SHAR

CORE 341. AIS: Can Stress Promote Flourishing? The Effects of Stress on Brain and Behavior. (4 Credits)
The overall goal of this course is to help students understand how stress can promote flourishing. Students will gain a deeper understanding of the basics of brain function and how the brain manages the response to stressors, how stressors affect several aspects of behavior, and how to protect the brain from the negative effects of stressors. In addition, two underlying themes will emerge throughout the course, including a discussion on the nature of persons and the concept of both control and agency for the proper understanding of stress.
Tags: SIP
General Education: SHAR
CORE 342. AIS: Dante's Commedia as Poetry, Philosophy, and Theology. (4 Credits)
This course examines Dante's Commedia as an "encyclopedia" poem, a term that the Dante scholar Giuseppe Mazzotta has used to characterize the poem's educational ambitions. This is a poem with a deep intellectual program; it takes on many of the great philosophical and theological questions of its own time, and ours, too. What is the nature of the soul? What is just punishment? What is the highest good? Yet it does this not within the context of a philosophical treatise but an imaginative journey through the regions of the afterlife, taken by the poet himself. Our aim in this course is to analyze the poem in all of its overlapping dimensions - as a great poem of ideas, as a spiritual evaluation and testimony (a confession?), as a travelogue that doubles as a series of philosophical dialogues, as a mosaic of unforgettable images.
Tags: LE, PI
General Education: SHAR

CORE 343. AIS: Creation Care: Values and Virtues. (4 Credits)
An interdisciplinary consideration of philosophical thinking in the context of worldviews toward environmental issues and our relation to creation. The course will address historical and contemporary environmental issues in conjunction with values held in human-creation relationships historically and socially. Values held in Christian and non-Christian views and practices regarding the created world will be examined in light of the virtues that influence our awareness and responsive actions. Christian values and virtues in the context of Christian character will be considered relative to creation care. These considerations will cultivate academic and spiritual maturity by considering one's relationship to our Creator and creation. The course will also address theological underpinnings as they relate to the intersection of Christian faith and how one lives their life in light of a call to care for God's creation. BIOL 241 recommended.
Tags: PI, SIP
General Education: SHAR

CORE 344. AIS: Gender and Global Health. (4 Credits)
An interdisciplinary approach to using a gender lens to understand the global patterns of health and disease. While focusing on gendered inequalities, students in this course will describe and analyze how ecology, social class, and race interact with gender and impact the global burden of disease. Students will also consider how our Christian call to love our neighbor impacts our response to the disparities seen in the global burden of disease.
Tags: GP, SIP
General Education: SHAR

CORE 345. AIS: Water, the Essential Resource. (4 Credits)
An overview of our most important natural resource - water. Topics include occurrence, chemistry, physiological requirement for water, effects upon past and present civilizations, surface and groundwater flow, global water supply, water pollution, water exploration and extraction. Lab fee $35. Prerequisite: Any SP course.
Tags: SIP
General Education: SHAR

CORE 346. AIS: Diversity in American Theater. (4 Credits)
This course invites students to engage with questions regarding diversity in the United States through the lens of theater. By exploring various ways that American playwrights have grappled with diversity and by placing these plays within complex theological, historical, and literary contexts, students will be encouraged to reflect not only on patterns of injustice and inequality that they see represented but also on the unique power that drama has to help its audience to experience the world from someone else's perspective.
Tags: DUS, VPAT
General Education: SHAR

CORE 347. AIS: Technotexts: Media and Messages. (4 Credits)
This course examines the relationship between literary texts and the media through which they are conveyed. The course begins by considering the relationship between word and voice, our material being practices of oral storytelling and spoken word poetic performance. The second and longest unit of the semester examines the literary possibilities opened up by different forms of "the book" - including the illuminated manuscript, the printed book in the West, and the Torah scroll. The final unit examines how verbal artists are engaging with the digital technologies. Throughout the semester, participants will not only be consumers of media; they will also be makers: each unit will involve a "making" exercise in which we practice one of the techniques that we have been studying, including oral performance, letterpress printing, and digital storytelling.
Tags: LE, VPAT
General Education: SHAR

CORE 348. AIS: Wheaton College as an Institution. (4 Credits)
This course examines Wheaton College as an institution and an organization. This includes examining how the college developed over time and its organizational structure and logic. We will consider how social forces from American society, including religious movements and race, class, and gender, as well as internal decisions affected the College. The final project involves analysis of primary and secondary sources in the Special Collections, Buswell Library.
Tags: DUS, HP
General Education: SHAR

CORE 349. AIS: Babies: Prenatal Development, Birth, and the Newborn. (4 Credits)
In this course, we will draw from biological and psychological research to engage in an in-depth exploration of prenatal and newborn development. We will cover influences on prenatal development, changes to the mother and fetus throughout pregnancy and prenatal development, a variety of considerations around childbirth, physical development and functioning in the newborn, and the early parent-child bond. We will also explore childbirth practices around the world. Students will be encouraged to integrate a Christian perspective with a variety of other scientific and popular perspectives on pregnancy, birth, and babies.
Tags: SI
General Education: SHAR
CORE 351. AIS: Cults, Power, and Politics. (4 Credits)
This course examines how cults influence, and are influenced by, politics. We will discuss the structure of cults and the psychological/relational manipulation of cult members. The course will then shift toward how state regimes use cult personalities to further entrench their positions of power using examples from North Korea, China, and Russia. Additionally, we will discuss how religious cults have threatened political structures using examples from the Münster Rebellion, Branch Davidians, Peoples Temple, Scientology, and many others. Finally, students will evaluate warnings of cult behavior in religious and political structure as well as judge Christian practices of discernment and intervention.
Tags: GP
General Education: SHAR

CORE 352. AIS: Applying Cognitive Psychology to Educational Practice. (4 Credits)
An interdisciplinary seminar that examines how findings from cognitive psychology can be used to improve learning in educational settings. Specific cognitive processes such as working memory, long term memory, metacognition, and language processing will be discussed as will specific tasks in educational settings such as math and reading. This course will also emphasize theological perspectives on cognition, learning and teaching.
Tags: SI
General Education: SHAR

CORE 353. AIS: Biology and Politics. (4 Credits)
This course is an interdisciplinary consideration of the biological basis of political attitudes and behavior. It leverages concepts from genetics, neuroscience, endocrinology, physiology, and psychology to study political phenomenon, introduces students to key methodological techniques and research findings from the field of biology and politics, and challenges students to evaluate the biology and politics research agenda from a Christian perspective.
Tags: SI, SIP
General Education: SHAR
ECON 211. Principles of Microeconomics. (4 Credits)
An introduction to economic ways of thinking. Resource allocation, production, and distribution mechanisms are explored.
Tags: SI

ECON 212. Principles of Macroeconomics. (2 Credits)
An examination of national income and product determination. Monetary and fiscal policy are analyzed as tools for dealing with inflation, unemployment, and economic growth. Prerequisite: ECON 211 (can be a co-requisite if ECON 212 taken during B quad).

ECON 325. Intermediate Macroeconomics. (4 Credits)
A theoretical, institutional, and empirical study of national income distribution, inflation, unemployment, economic stability, and the rate of growth. Explores domestic and international macroeconomic policy issues. Examines the development of macroeconomic theories. Prerequisites: ECON 211, 212, and MATH 231 or 221.

ECON 326. Intermediate Microeconomics. (4 Credits)
This course helps students develop a sound understanding of microeconomic analysis. The primary objective of the course is to study consumer and producer behavior and analyze their interactions in the market system from three dimensions: economic intuition, math, and graphs. Two themes of the course are economic decisions and economic institutions. The course will explore how various economic agents make choices, and the implications of these choices for the overall allocation of resources for society. The course then studies various market imperfections and their consequences for welfare. Prerequisites: ECON 211, 212, and MATH 231 or 221.

ECON 345. Money & Banking. (4 Credits)
The course examines the nature of banks as financial intermediaries within the context of the financial services industry and the Federal Reserve System. The significance of money as an economic variable, and the relationship between money and banking are explored. The nature of a bank’s portfolio of financial assets is studied from both a theoretical and applied perspective. Prerequisite: ECON 212. Majors only.

ECON 346. Public Finance. (4 Credits)
This course examines the public sector and its policy process including voting models, expenditure, priorities, insurance programs, and taxation principles. Special attention is given to Social Security, health care, and welfare issues. Prerequisite: ECON 211; recommended ECON 212.

ECON 347. Urban Economics. (4 Credits)
Examines issues relating to urban growth and public policy. Topics include urban housing, poverty, local government, labor market, transportation, education, crime, land-use controls and zoning, and economic development. Recommended: ECON 211.

ECON 348. Economics of Competition. (4 Credits)
Examines the theoretical and empirical foundations of competition in economics. The course includes a review of the neoclassical economics of competition, introduces institutional and informational perspectives on competition. The course entails extensive readings of empirical studies highlighting the various forms of competition and addresses the strengths and weaknesses of alternative approaches to the study of competition. Prerequisites: ECON 211 and B EC 321 (or MATH 263 or MATH 363 or MATH 163 (AP Statistics credit)).

ECON 361. Evolution of Global Economy. (4 Credits)
This class explores the nature and historical origins of economic globalization. When and how did people, technology, goods, and capital begin to flow so extensively across national borders, and what has been the impact of these flows on international economic development? These questions are approached chronologically, beginning with the pre-history of modern globalization before turning to the beginning of true globalization during the long 19th century. The second half of the course is devoted to understanding the chaotic first half of the 20th century, with an emphasis on the international Great Depression, and the reintegration of the world economy from the postwar period to the present. Throughout, students will learn to think analytically and empirically about key issues in economics and history, largely through reading primary economic research in journal articles and book chapters. Prerequisites: ECON 211, 212, and B EC 321 (or MATH 263 or MATH 363 or MATH 163 (AP Statistics credit)).

ECON 362. Wealth & Poverty of Nations. (4 Credits)
This course explores one of the most important, long-running questions in economics: Why are some places so rich while others are so poor? In this course, students examine the causes of economic growth in the very long run. Looking back over the last several hundred, and in some cases several thousand, years, we search for the "deep determinants" of growth – how the fundamentals of geography and environment, along with changes in institutions, technology, and economic integration have allowed some, but not all, societies to prosper and provide their members with remarkably high standards of living. This process has accelerated rapidly among the economically developed countries over the last two hundred years, in what has been termed modern economic growth. Only in a long-run historical context can we adequately address the stark divergence between these countries and those who have remained poor. Throughout, students will learn to think analytically and rigorously about economic growth and development, largely through reading, discussing, and critiquing books and journal articles. Prerequisites: ECON 211, 212.

ECON 364. Health Economics. (4 Credits)
This course uses the tools of economics to gain insight into health and health care issues in both the developed and developing world. Topics covered include: health production and the demand for health; health insurance and insurance markets; the role of government in health care; health interventions and challenges of health improvement in developing countries. At the end of the class, students should be able to apply economic paradigms to global health policy issues, and critically evaluate empirical evidence of what "works" and what doesn't. Prerequisite: ECON 326.

ECON 365. Economic Growth & Development. (4 Credits)
This course provides a theoretical, institutional, and empirical study of human needs and economic development in the two-thirds world. It addresses numerous issues including employment, health, education, agriculture, sustainability, population, and globalization. This course teaches a systematic approach to economic policy analysis and applies it to the study of development and poverty alleviation efforts in poor countries. Prerequisite: ECON 211; recommended ECON 212, ECON 326.

ECON 366. International Economics. (4 Credits)
Studies the theory of international trade and finance. Examines policy exchange rates issues including the balance of trade, economic integration, and international debt. Prerequisites: ECON 211, 212.

ECON 374. Globalization. (4 Credits)
See IR 375
Tags: GP, SI
ECON 375. Econometrics for Business and Economics. (4 Credits)
This is a course in applied econometrics. The course focuses on regression analysis as a research tool that economists and other social scientists use to estimate economic and social relationships and to test hypotheses about those relationships using real-world data. Topics include simple and multiple regression analysis, hypothesis testing, dummy variable techniques, specification tests, and instrumental variable analysis. Students will learn hands-on data analysis and model estimation, as well as the use of the econometric software STATA. Prerequisites: ECON 211 and B EC 321 (or MATH 263 or MATH 363 or MATH 163 (AP Statistics credit)); recommended ECON 326.

ECON 376. Game Theory. (4 Credits)
This course introduces the basic concepts of game theory. Game theory is the study of strategic decision-making—that is, making decisions when individuals' actions affect each other. It is a powerful tool, applicable in a broad range of fields, from economics and business, to politics and law, and even biology. Firm competition, auctions, international conflict resolution, and animal mating behavior are all multi-agent decision problems; they are all games. Students learn how to recognize games, how to formally model their key properties, and how to predict outcomes based on concepts of equilibrium. Above all, students learn to think strategically with precision and rigor. Prerequisite: ECON 326

ECON 378. Economics of Labor & Poverty. (4 Credits)
A theoretical and empirical application of microeconomics to the socioeconomic issues related to labor markets. Students will learn to evaluate social policies and programs with the rigor provided by theory and the evidence from empirical research. Topics include labor supply and demand, mobility, and wage differentials, with particular focus on human capital, discrimination, and poverty in the United States. Prerequisites: ECON 326 and (B EC 321 or MATH 263 or MATH 363 or MATH 163 (AP Statistics credit)).

Tags: DUS

ECON 392. Topics in Economics. (2 Credits)
Selected topics designed to give added breadth and depth to the understanding of economics. Prerequisites: ECON 211, 212.

ECON 394. Topics in Economics. (4 Credits)
Selected topics designed to give added breadth and depth to the understanding of economics. Prerequisites: ECON 211, 212.

ECON 492. Senior Seminar. (2 Credits)
The Economics Senior Seminar invites students to use what they have learned in their deep study of economics and their broad exploration of the liberal arts through the Christ at the Core curriculum to engage with classics of the discipline. They will read and discuss seminal papers from several of the most influential economists. They will explore big economic questions from historical and contemporary perspectives. They will wrestle with complex and pressing policy debates. Prerequisite: ECON 375, Senior standing; Economics majors only.

ECON 494. Seminar & Research. (4 Credits)
As an Economics Capstone Experience, the course allows students to pursue deep integration of economics and the concepts they have explored throughout the entire Christ at the Core curriculum. The structure for the course is split into the two broad components of seminar and research. In seminar, students are challenged to engage with selected texts from several of the most influential economists, to weigh in on current policy debates, and to reflect on and articulate their understanding of vocation and the liberal arts. The research component of the course requires students to develop a clear and concise research question, seek data supported responses to those questions, and to present their findings both through a formal paper and in class presentation. Prerequisites: Senior standing, majors only; ECON 375.

ECON 495. Independent Study. (1 to 4 Credits)
Individual study on major issues for the advanced student with approval of the department chair. See Department guidelines.

ECON 499. Honors Thesis. (4 Credits)
An independent research project requiring original research, developed into a scholarly paper and culminating in an oral examination. By application to the department only. The honors thesis may not be counted toward the total hours required to complete the major. Prerequisite: ECON 375.
EDUCATION (EDUC)

EDUC 135. School & Society. (2 Credits)
Introductory course to provide a broad exposure to the foundations of education in the United States through history, many aspects of culture and society, theoretical concepts, current issues, and their educational implications. Explores these topics through the lenses of the Education Department conceptual framework, Teaching and Leading for Human Flourishing, which includes embodying justice, making ethical and reasoned decisions, and acting in a Christ-like manner.

EDUC 136. Teaching Ethnically and Linguistically Diverse Students. (2 Credits)
The theoretical and pedagogical background necessary to provide culturally and linguistically responsive learning experiences for a diverse student population. The course includes the English Language Development (ELD) Standards and English Language Proficiency (ELP) Standards of the World-Class Instructional Design and Assessment professional organization (WIDA). Co-requisite: EDUC 136L. B quad

EDUC 136L. Cross-cultural Tutoring. (1 Credit)
A tutoring experience with students from cultural and linguistic settings different from that of the college student’s background. Most of the assignments are arranged through the Christian Service Council. Concurrent with EDUC 136. Graded pass/fail.

EDUC 201. U.S. Education Policy: Problems and Possibilities. (4 Credits)
This course has three primary purposes: 1) introduce today’s major education policy issues in historical, social, and cultural contexts; 2) investigate the ways U.S. education policy questions are addressed at federal, state, and local levels with comparative analysis to other countries; and 3) develop oral and written skills in generating and recommending appropriate policy options and solutions as a Christian seeking to influence schools, society, and human flourishing. Topics include: comparative analysis of policy; executive, judicial, and legislative policy actions, motivation, and history; equity, standards, and accountability reforms; teachers and instructional quality; and access affordability, and persistence.

Tags: DUS, SI

EDUC 225. Learning and Development: The Psychological and Developmental Contexts of Education. (4 Credits)
Overview of the major theories, concepts, issues, data, and research methodologies used in understanding how children from birth through adolescence learn and develop. Various theories of learning are examined and the impact of typical growth stages on learning is assessed. Not open to freshmen without consent of instructor. Corequisite EDUC 225L or EDUC521L.

EDUC 225L. Teacher Aiding Practicum. (1 Credit)
Thirty hours of field-based work observing and assisting a licensed teacher aiding experience in a local elementary, middle or high school and preparing a lesson to teach students in this context during the semester. Concurrent with EDUC 225. Graded pass/fail.

EDUC 305. Learning Differences. (2 Credits)
The theoretical and pedagogical background necessary to meet the requirements of the Individuals with Disabilities Education Act (I.D.E.A.) and its amendments, as well as the Elementary and Secondary Education Act, including Response to Intervention (RTI). It includes instruction in the psychology of children and adolescents with exceptionalities with emphases on students who are gifted, who have learning disabilities, and English language learners. It emphasizes identification of learning needs, individualization of educational programs, differentiation of instruction, and utilization of available services. Prerequisites: EDUC 135, 136; Pre or co-requisites EDUC 225 and EDUC 225L, or Department approval.

EDUC 305L. Learning Differences Practicum. (1 Credit)
The candidate will observe and work with students with special needs in a school or recreational setting for approximately 30 hours. Corequisite with content-specific methods practicum or permission of instructor; EDUC 311L or 324L or MUMS 471L or 472L. Graded pass/fail.

EDUC 306. Classroom Communication & Curriculum Integration. (4 Credits)
Covers the communication processes germane to the teaching profession, which include the development of techniques in speaking, writing, and reading skills. Includes methodologies for teaching reading and writing across the curriculum with particular emphasis in middle school curriculum, as well as theory and practice for interpersonal communications, listening skills, public speaking, and instructional strategies (lecturing, questioning techniques, group processes and dynamics). Concurrent with a methods of teaching course in the major, EDUC 324L, 305, and 305L. Prerequisites: EDUC 135, 136, 136L, 225, 225L, and admission to WheTEP.

EDUC 308. Survey of Exceptional Children. (2 Credits)
The cognitive, emotional, social, physical, and motivational characteristics and educational requirements of exceptional children, focusing on students in K-12 settings. Exceptionalities at both ends of the continuum are examined. Required for Illinois Learning Behavior Specialist I endorsement. Prerequisites: EDUC 135, 136, 136L, 225, 225L, 305.

EDUC 311. Theories and Methods of Teaching Elementary and Middle School Students. (2 Credits)
An introduction to general methods of teaching elementary and middle school students, including units on the nature and curriculum of elementary and middle schools, classroom management, lesson and unit planning, adapting instruction for individual differences, and assessment. Concurrent with EDUC 312, 311L, 315, 317, 305L, SSCI 321, SCI 322. Prerequisites: EDUC 135, 136, 136L, 225, 225L, 305, MATH 125, and admission to WheTEP. Field trip fee.

EDUC 311L. Methods Practicum for Elementary and Middle School. (1 Credit)
An opportunity to practice some of the concepts and skills acquired in methods courses. The elementary major works with a cooperating teacher over a several week period in the spring. Concurrent with appropriate methods courses. Prerequisites: EDUC 135, 136, 136L, 225, 225L, 305, MATH 125, and admission to WheTEP. Graded pass/fail. $50 course fee.
EDUC 312. Theories and Methods: Elementary and Middle School Reading. (4 Credits)
This course is designed to foster teacher candidates’ understanding of the theoretical, pedagogical, and research-based applications of effective reading instruction. Enables candidates to develop competencies necessary to design and implement comprehensive reading programs which include evidence-based strategies that meet the developmental reading needs of K-8 students of diverse backgrounds. Concurrent with EDUC 311, 311L, 315, 317, 305L, SSCI 321, SCI 322. Prerequisites: EDUC 135, 136, 136L, 225, 225L, 305, MATH 125, and admission to WheTEP.

EDUC 315. Theories and Methods of Teaching Elementary and Middle School Mathematics. (4 Credits)

EDUC 317. Theories and Methods of Teaching Elementary and Middle School Language Arts. (2 Credits)
The theoretical and pedagogical background for teaching language arts in the context of written and oral composition, handwriting, spelling, grammar, listening, poetry, and literature. Concurrent with EDUC 312, 311L, 317, 305L, SSCI 321, SCI 322. Prerequisites: EDUC 135, 136, 136L, 225, 225L, 305, MATH 125, and admission to WheTEP.

EDUC 324L. Methods Practicum—Middle and High School. (1 Credit)
An opportunity to practice some of the concepts and skills acquired in methods courses. The secondary education major works with a cooperating teacher for 30 hours in half-day units during the fall or spring. Completed the semester prior to student teaching. Prerequisites: EDUC 135, 136, 136L, 225, 225L, and admission to WheTEP. Graded pass/fail. Course fee $50.

EDUC 328. Cross-Categorical Characteristics. (4 Credits)

EDUC 328L. Special Education Practicum A (LBS 1). (1 Credit)

EDUC 338. Methods of Teaching Cross-Categorical Special Education. (4 Credits)
The planning, instruction, and assessment required for students with individual educational plans, consistent with federal and state requirements relating to such practices as inclusion and Response to Intervention. Required for Illinois Learning Behavior Specialist I endorsement. Prerequisites: EDUC 135, 136, 136L, 225, 225L, 305, 308, 328, and 328L.

EDUC 338L. Special Education Practicum A (LBS 1). (1 Credit)

EDUC 341. Topics in Education. (2 or 4 Credits)
Specific topics in education not normally included in the curriculum. Prerequisites: EDUC 135, 136, 136L, 225, 225L, or consent of instructor.

EDUC 348. Diagnosis and Assessment of Students with Disabilities. (4 Credits)
Study of the diagnostic assessments leading to eligibility for special education services as well as effective alternative and differentiated assessment strategies for students with disabilities. Required for Illinois Learning Behavior Specialist I endorsement. Prerequisites: EDUC 135, 136, 136L, 225, 225L, 305, 308, 328, 328L, 338, 338L.

EDUC 405L. Middle Grade Practicum. (1 Credit)
An optional teacher-aiding experience in the middle grades for a full-time, five-day period when the College is not in session, usually completed during the winter or spring break. Pre-approved middle grade projects required. Graded pass/fail.

EDUC 494. Senior Seminar. (2 Credits)
This course will examine the complexities of the teaching profession within the context of student teaching. Candidates will examine their experiences within the framework of readings which will inform their methods of teaching and effective interaction with students. The course will also demonstrate how research can be done within the classroom as a means to answering some of the questions which arise from their student teaching experience. Taken during the student teaching semester. Course fee $300.

EDUC 495. Problems in Education. (1 to 4 Credits)
Problems in Education. Individual work with periodic conferences for candidates who have demonstrated ability and have definite interest in problems in a restricted field.

EDUC 496. Student Teaching. (9 Credits)
This is an internship experience where candidates apply teaching principles in local schools and classrooms under supervision. Usually student teaching is done within a 15-mile radius of the campus. Candidates complete their student teaching in their major teaching areas. Concurrent with EDUC 497, 494.

EDUC 497. Philosophical Foundations of Education. (3 Credits)
This course examines the philosophical foundations of education with an emphasis on a comparison of philosophical ideas in education and on the development of a personal philosophy of education related to one’s calling and vocation. Prerequisites: EDUC 135, 136, 225, 225L, and admission to WheTEP. Concurrent with EDUC 494, 496. Course fee approximately $250.

EDUC 498. Literacy Assessment. (2 Credits)
This course is designed to explore specific problems in the teaching of the language arts beyond those covered in EDUC 312. It deals with diagnosis and recommendations for providing supportive contexts for individual differences. Prerequisites: EDUC 135, 136, 136L, 225, 225L, 312 (or equivalent), and admission to WheTEP or consent of instructor.

EDUC 505L. Learning Differences Practicum. (0 Credits)
The candidate will observe and work with students with special needs in a school or recreational setting for approximately 30 hours. Concurrent with EDUC 511L or EDUC 527L. Graded pass/fail.
EDUC 506. Classroom Communication and Curriculum Integration. (4 Credits)
Covers the communication processes germane to the teaching profession, which include the development of techniques in speaking, writing, and reading skills. Includes methodologies for teaching reading and writing across the curriculum with particular emphasis in middle school curriculum, as well as theory and practice for interpersonal communications, listening skills, public speaking, and instructional strategies (lecturing, questioning techniques, group processes and dynamics). Prerequisites: EDUC 515L, 225, 521L, and admission to WheTEP and M.A.T. program.

EDUC 507L. Middle Grade Practicum. (0 Credits)
An optional teacher-aiding experience in the middle grades for a full-time, five-day period when the College is not in session, usually completed during the winter or spring break. Pre-approved middle grade projects required. Graded pass/fail.

EDUC 511. Theories and Methods of Teaching Elementary and Middle School Students. (2 Credits)
An introduction to general methods of teaching elementary and middle school students, including units on the nature and curriculum of elementary and middle schools, classroom management, lesson and unit planning, adapting instruction for individual differences, and assessment. Additional study for graduate students includes professional and political roles of teaching. Concurrent with EDUC 312, 315, 317, 505L, 511L, SCI 322, SSCI 321. Prerequisites: EDUC 136L/515L, 225, 225L/521L, EDUC 305, MATH 125, admission to the M.A.T. program, and admission to WheTEP $15 field trip fee.

EDUC 511L. Methods Practicum for Elementary and Middle School. (0 Credits)
This field experience will provide an opportunity to integrate theory and practice through observation and use of the concepts and strategies developed in the professional block of methods courses and to understand the culture of elementary and middle schools through observation in various school settings and an additional extended full-time experience within a particular school setting. The elementary M.A.T. major works with a cooperating teacher over a four-week period in the spring. Concurrent with EDUC 312, 315, 317, 505L, 511, SCI 322, SSCI 321. Prerequisites: EDUC 136L/515L, 225, 225L/521L, 305, MATH 125, admission to the M.A.T. program, and admission to WheTEP. Graded pass/fail. Course fee: $50.

EDUC 515L. Cross-Cultural Tutoring Practicum. (0 Credits)
A tutoring experience with students from cultural settings different from that of the graduate student’s background. Graded pass/fail.

EDUC 521L. Teaching Aiding Practicum. (0 Credits)
Thirty hours of field-based work observing and assisting a licensed teacher in a local elementary, middle or high school and preparing a lesson to teach in this context. Concurrent with EDUC 225. Graded pass/fail.

EDUC 527L. Secondary and Middle Education Practicum. (0 Credits)
A practice of the concepts and skills acquired in the departmental methods course. Concurrent with departmental methods class, EDUC 305, 305L. Prerequisite: Admission to WheTEP and the M.A.T. program. Graded pass/fail. Course fee $50.

EDUC 529. Literacy Assessment. (2 Credits)
This course is designed to explore specific problems in the teaching of the language arts beyond those covered in EDUC 312. It deals with diagnosis and recommendations for providing supportive contexts for individual differences. Prerequisites: EDUC 587, 594, 596.

EDUC 531. Ethical Perspectives on Teaching. (2 Credits)
An examination of ethical issues related to education, such as value conflicts between cultural groups, the nature of democracy in schools, allocation of limited resources, and implications of curricular decisions applicable to the candidate’s area of teaching. Prerequisite: Admission to M.A.T. program.

EDUC 541. Statistics in Education. (2 Credits)
A study of the techniques needed for understanding, analyzing, and interpreting data with an emphasis on descriptive and inferential statistics including correlational, t-test, and analysis of variance. Prerequisite: Admission to M.A.T. program.

EDUC 542. Research Methodologies in Education. (2 Credits)
The study and application of skills used in preparing, executing, reporting, and utilizing educational research in order to become critical consumers and producers of research. Candidate designs a curricular project that can be used during the induction year of teaching. Prerequisites: Admission to M.A.T. program.

EDUC 587. Philosophical Foundations of Education. (3 Credits)
An examination of the philosophical foundations of education from 1635 to the present. Emphasis is on a comparison of philosophical ideas in education and on the development of a personal philosophy of education. Candidate studies literature of a chosen educational theorist. Concurrent with EDUC 594 and 596. Prerequisites: EDUC 515L, 225, 521L, and admission to M.A.T. program. Course fee approx. $250.

EDUC 594. Craft Of Teaching. (2 Credits)
An exploration of the complexities of the teaching profession within the context of student teaching. Candidates will examine their experiences within the framework of readings which will inform their methods of teaching and effective interaction with students. The course will also demonstrate how research can be done within the classroom as a means to answering some of the questions which arise from the student teaching experience. Focus is on implementing classroom research. Concurrent with EDUC 587 and 596. Prerequisite: Admission to M.A.T. program. Course fee: $300

EDUC 595. Independent Study. (1 to 4 Credits)
EDUC 596. Student Teaching. (9 Credits)
A twelve-week teaching internship focusing on the candidate's major area of scholarship and beginning classroom research. Usually student teaching is done within a 15-mile radius of the campus. Candidates complete their student teaching in their major teaching areas. Concurrent with EDUC 587, 594.

EDUC 598. Action Research Paper. (2 Credits)
A research paper focusing on an area of scholarship based on on-site experience. The candidate defines, designs, and implements an original classroom research project. Prerequisites: Admission to M.A.T. program, EDUC 541, 542, 594, 596.

EDUC 599. Action Research Continuation. (0 Credits)

EDUC 698. Thesis. (4 Credits)

EDUC 699. Thesis Continuation. (0 Credits)
ENGINEERING (ENGR)

ENGR 101. Introduction to the Engineering Profession. (1 Credit)
Introduces students to the engineering profession. The engineering disciplines, problem solving approaches, design processes, professional practices, licensure, engineering ethics, and teamwork will be explored through discussion, reading, research, and guest visits by practicing engineers. The importance of the liberal arts and the impact of faith on the practice of engineering will be explored. Freshmen and sophomores only.

ENGR 105. Fundamentals of Engineering Graphics. (2 Credits)
Introduces students to engineering graphics, the means by which engineers communicate design and fabrication information. Topics cover: utilization of engineering graphics; information on graphics; use of the basic graphic tools; orthographic views in both third and first angle projections; auxiliary, section, isometric, and perspective views. This course acquaints students with the processes that are automated within Computer Aided Drafting and Design (CADD) software and expectations for CADD work product. Lab fee. (lin)

ENGR 125. Introduction to AutoCAD. (2 Credits)
Intro to AutoCAD with emphasis on the fundamentals of Computer-Aided Drafting and Design (CADD). Introduces concepts, techniques and procedures necessary to facilitate a basic functional understanding of AutoCAD and the process of using AutoCAD tools to create, dimension, and annotate basic engineering drawings. Lab fee. (lin)

ENGR 201. Engineering Mechanics 1 - Statics. (4 Credits)
Systems of units; gravitation; Newton's laws of motion; equilibrium and free-body diagrams; particles, forces and moments; structures in equilibrium; centroids and center of mass; moments of inertia; friction; beam loadings; cables; fluids; virtual work and potential energy; particle kinematics; and, rotating bodies. Prerequisite: PHYS 231. Pre or Co-requisite: MATH 333.

Topics include: kinematics and kinetics of particles; Newton's laws of motion; energy, momentum, systems of particles; rigid bodies; free-body diagrams; mass, acceleration, and force; plane motion of rigid bodies; and, conservation of energy and momentum. Prerequisite: ENGR 201. Pre or Corequisite: PHYS 334.

ENGR 204. Innovative Design in Engineering. (4 Credits)
Provides the student engineer with firsthand experience in moving from a stated need to a developed and proof-tested product. Topics include project logbooks and plans, evaluating concepts and selecting a design, preparing design documents, fabrication, development and testing of prototypes, stewardship of the environment, preparation of engineering reports, and principles of contract, engineering, and patent law. Prerequisites: ENGR 201.

ENGR 223. Strength of Materials. (4 Credits)
Provides a broad range of knowledge of the behavior of materials under load. Topics include: mechanical properties; plane stress and strain; stress and strain relations; axially loaded members; Mohr's circle; stress transformation; torsion of shafts; bending and normal and shear stresses in beams; beam deflection; and combined loading. Prerequisite: ENGR 201.

ENGR 225. Materials Science. (4 Credits)
Presents the scientific principles underlying the structural analysis of ceramic, composite, metallic (including semiconductors), and polymeric materials. Topics include atomic bonding and structure, electronic structure, micro- and macrostructure. Principles of structural effects on the chemical, mechanical, and physical properties of material are also addressed. Prerequisites: ENGR 201 and CHEM 231.

ENGR 394. Engineering Ethics Capstone. (2 Credits)
Engineering ethics and vocation; connections between the liberal arts educational experience and the practice of engineering. Prerequisite: Junior standing in the major. Seminar format meeting once per week for the full semester. (lin)
ENGLISH (ENG)

ENG 271. History of English Language. (2 Credits)
A study of the development of the English language with attention
given to an understanding of semantics, syntax, morphology, phonology,
and diversity in language use. Required of all English majors seeking
secondary education licensure. Offered in alternate years.

ENG 324. Methods of Teaching High School English. (2 Credits)
Content will focus on teaching English Language Arts at the high school
level and will address the issues of planning, teacher/student interaction,
literacy skills, pedagogy for various genres of literature, technology and
instructional aids, assessment and grading procedures. Required of
English majors pursuing middle school and high school licensure, prior
to student teaching. Open to all English majors interested in teaching.
Corequisite: ENG 325. Prerequisite: Acceptance to the Wheaton Teacher
Education Program (WheTEP) or the instructor’s approval.

ENG 325. Methods of Teaching Middle School English. (2 Credits)
Content will focus on teaching English Language Arts at the middle
school level and will address the issues of planning, teacher/student
interaction, literacy skills, pedagogy for various genres of literature,
technology and instructional aids, assessment and grading procedures.
Required of English majors pursuing middle school and high school
licensure, prior to student teaching. Open to all English majors interested
in teaching. Corequisite: ENG 324. Prerequisite: Acceptance to the
Wheaton Teacher Education Program (WheTEP) or the instructor’s
approval.

ENG 429. Literacy Assessment. (2 Credits)
This course is designed to explore specific problems in the teaching
of the language arts beyond those covered in EDUC 312. It deals with
diagnosis and recommendations for providing supportive contexts for
individual differences. Prerequisites: EDUC 135, 136, 136L, 225, 225L, 312
(or equivalent), and admission to WheTEP or consent of instructor.
ENGLISH LITERATURE (ENGL)

ENGL 102. Modern Western Literature. (2 Credits)
A survey of modern western literature with emphasis on genres prominent in the 19th and 20th centuries.

ENGL 111. Studies in Western Literature. (4 Credits)
An introduction to Western literature for non-majors that equips students for life-long learning by teaching them the skills of literary study. Students will investigate enduring or perennial questions of Western literature and culture, including what comprises a "classic" or canonical text, in the context of either 1) a focused investigation of an influential period or author(s) or 2) a survey of texts that are joined by genre or central theme(s). The course will develop students' abilities to apply close-reading practices; to situate their interpretations within relevant literary, historical, biographical and/or cultural contexts and traditions; and to employ genre conventions in their writing. Across the semester, students will also reflect on the readings' harmony with and dissonance from Christian theological traditions, as well as the value of reading literature for the Christian life.

Tags: LE

ENGL 112. Studies in Western Literature: Comedy and Tragedy. (4 Credits)
An introduction to Western literature (specifically the genres of comedy and tragedy) for non-majors that equips students for life-long learning by teaching them the skills of literary study. Students will investigate enduring or perennial questions of Western literature and culture, including what comprises a "classic" or canonical text, in the context of either 1) a focused investigation of an influential period or author(s) or 2) a survey of texts that are joined by genre or central theme(s). The course will develop students' abilities to apply close-reading practices; to situate their interpretations within relevant literary, historical, biographical and/or cultural contexts and traditions; and to employ genre conventions in their writing. Across the semester, students will also reflect on the readings' harmony with and dissonance from Christian theological traditions, as well as the value of reading literature for the Christian life.

Tags: LE, VPAT

ENGL 115. Topics in Modern Global Literature. (4 Credits)
An introduction to diverse literatures since 1700. Students will track literary conversations, concerns, and historical events and other phenomena that interconnect people across geopolitical borders. The particular regions and literary genres covered depend upon the course theme.

Tags: LE

ENGL 202. Topics in Global Literature: West African Literature. (4 Credits)
This course, which will exist in numerous topical instantiations, is designed to facilitate students' substantive engagement with global culture through an exploration of the formal and generic elements of literature. Within a sustained focus on analyzing multiple examples of literature of at least one cultural group outside the Anglo/Anglo American context within its historical/cultural context, students will practice literary and cultural analysis with an aim of illuminating not only the literature and culture, but also the students' Christian theological understanding and personal response to the literature and culture.

Tags: GP, LE

ENGL 215. Classical and Early British Literature. (4 Credits)
An overview of Classical and early British literature, introducing students to major eras, authors, and genres through the sixteenth-century.

Tags: LE

ENGL 225. Topical Seminar. (4 Credits)
A topical seminar that introduces students to terms and techniques of literary analysis, important questions within the discipline, and the research process. Prerequisite: ENGL 215

ENGL 226. Topical Seminar: Shakespeare. (4 Credits)
A topical seminar that introduces students to terms and techniques of literary analysis, important questions within the discipline, and the research process. This course will focus on William Shakespeare.
Required for students seeking teacher licensure. Pre-requisite: ENGL 215

ENGL 285. Topics in Global Literature. (2 Credits)
An introductory survey of a literature outside the Western tradition, e.g. the literature of Africa, Latin America, India, or the Far East (China and/or Japan).

ENGL 326. Children's Literature. (2 Credits)
A chronological survey by genre of books written for children, preschool through grade six. (Does not count toward general education requirement or English major.)

ENGL 328. Young Adult Literature. (4 Credits)
Critical analysis and evaluation of contemporary novels for adolescents in grades six through twelve. At least half of the novels discussed in this course will be works outside the Anglo/Anglo American context. (Does not count toward general education requirement. Counts toward the 40 hr. minimum only for teaching concentration students.)

ENGL 331. Medieval Literature. (4 Credits)
Representative major genres of the Middle Ages, including, Arthurian romance, drama, lyric, and frame narrative with a focus on the works of Chaucer

ENGL 336. The English Renaissance. (4 Credits)
The chief literary works of the sixteenth century in their English setting, with emphasis on More, Marlowe, Sidney, Spenser, and Kyd.

ENGL 337. Seventeenth-Century English Literature. (4 Credits)
The metaphysical and Cavalier traditions of poetry, the work of Milton, and a sampling of prose traditions.

ENGL 338. Restoration and Eighteenth-Century Literature. (4 Credits)
Major British writers from 1660 to 1789, including Aphra Behn, Jonathan Swift, Samuel Johnson, and Laurence Sterne. Readings will provide an understanding of literary developments such as Neoclassicism, the Novel the culture of Sensibility, and the Gothic.

ENGL 341. American Literature: Beginnings through Romanticism. (4 Credits)
Early American literature from the writings of exploration and colonization through Romanticism. Writers may include Edwards, Franklin, Douglass, Emerson, Thoreau, Whitman, Melville, Hawthorne, Dickinson.

ENGL 342. American Literature: Realism to Modernism. (4 Credits)
Literature from the Civil War to the Great Depression. Writers may include Twain, Wharton, Chopin, Dreiser, Frost, Eliot, Hemingway, Fitzgerald.

ENGL 343. American Literature after 1945. (4 Credits)
Writers discussed may include Baldwin, O'Connor, Miller, Kerouac, DeLillo, Carver, Levertov, Morrison, Cisneros, Wilbur, Robinson.

ENGL 355. The Romantic Period. (4 Credits)
Major English Romantic writers, 1783-1832, together with a study of the culture of Sensibility, and the Gothic.

ENGL 361. Victorian Literature. (4 Credits)
The poetry, fiction, prose, and drama of the Victorian era (1832-1901), including major works of Tennyson, Browning, Arnold, Hopkins, the Brontës, Dickens, Eliot, Hardy, Carlyle, Ruskin, and the Pre-Raphaelites
ENGL 364. British Modernism: 1900-1939. (4 Credits)
An exploration of some of the key authors and themes of 20th century British Literature, with particular emphasis on High Modernism: Joyce, Yeats, Woolf, and their contemporaries.

ENGL 365. British Literature after 1939. (4 Credits)
An exploration of some of the major authors and themes in the literature of the British Isles since the end of World War II.

ENGL 371. Modern European Literature. (4 Credits)
Poetry, fiction, drama, and non-fiction prose from 1850 to the present. Writers may include Flaubert, Dostoevsky, Ibsen, Mann, Kafka, Bonhoeffer, Mandelstam, Levi, Mulisch, Dinesen, and Milosz.

ENGL 373. Literature of the Bible. (4 Credits)
The literary forms and meaning of biblical literature.

ENGL 375. Women Writers. (2 Credits)
A study of major women novelists, essayists, poets, and playwrights from the Middle Ages to the present.

ENGL 378. Studies in Literary Genre. (4 Credits)
Each offering of this course will investigate one of the major literary genres-novel, epic, tragedy, lyric, drama, essay, and so on-investigating its characteristic features and tracing its development over time.

ENGL 379. African-American Literature. (4 Credits)
A survey of the African American literary tradition from Phillis Wheatley and the slave narratives to Toni Morrison. Other writers include Chesnutt, Hurston, Hughes, Wright, Baldwin, Baraka, and Clifton.

ENGL 381. American Literature in Focus: Beginnings Through Romanticism. (2 Credits)
In-depth study of an author or authors, movement, genre, or theme in American literature from its beginnings through romanticism. (2 hour parallel to ENGL 341.)

ENGL 382. American Literature in Focus: Realism to Modernism. (2 Credits)
In-depth study of an author or authors, movement, genre, or theme in American literature from Realism through Modernism in American literature. (2 hour parallel to ENGL 342.)

ENGL 383. American Literature in Focus: After 1945. (2 Credits)
In-depth study of an author or authors, movement, genre, or theme in American literature after 1945. (2 hour parallel to ENGL 343.)

ENGL 384. Shakespeare. (4 Credits)
The major comedies and tragedies, along with selective study of the history plays and romances.

ENGL 385. Selected Authors. (2 Credits)
In-depth study of a single author or a small number of authors.

ENGL 386. Selected Authors. (4 Credits)
In-depth study of a single author or a small number of authors.

ENGL 387. C.S. Lewis and J.R.R. Tolkien. (4 Credits)
In this course, we will study the works of two 20th century English writers - Clive Staples Lewis and John Ronald Reuel Tolkien. During our time on Wheaton's campus, we will take advantage of the Marion E. Wade Center's wonderful collections, preparing for our studies in England by conducting research on Lewis' and Tolkien's scholarship and by beginning to investigate the many contexts (e.g., historical, literary, theological, intellectual, cultural) in which they wrote. During our time in England, we will deepen our understanding of the relationships among these figures, their works, their beliefs, and the places that they inhabited. We will tour the colleges where they worked, walk in the gardens where they discussed mythology and belief, enjoy a meal at their favorite pub, attend their churches, and visit their gravesites. A central concern of our course will be to consider the relationship between the real and the fantastic, but we will also take up questions of joy and sorrow, place and power, and faith and fellowship as we travel "there and back again".
Tags: LE

ENGL 388. Jane Austen in Her Time and Ours. (4 Credits)
An in-depth study of Jane Austen's novels that places them within the political, social and cultural contexts of late eighteenth- and early nineteenth-century England. As students explore Austen's novels in this course, they will develop their abilities to analyze literary works through close reading, to situate their interpretations within relevant contexts, and to explore enduring questions as they reflect on how Austen's ideas interact with Christian theological traditions. They will also develop their abilities to critically analyze historical sources, interpret the past using sound historical reasoning, and articulate connections between historical investigation and Christian conviction and practice as they explore the complexities of England during this time period.
Tags: HP, LE

ENGL 391. American Literature in Focus: Beginnings through Romanticism. (4 Credits)
In-depth study of an author or authors, movement, genre, or theme in American literature from its beginnings through romanticism. (4 hour parallel to ENGL 341.)

ENGL 392. American Literature in Focus: Realism to Modernism. (4 Credits)
In-depth study of an author or authors, movement, genre, or theme in American literature from Realism through Modernism in American literature. (4 hour parallel to ENGL 342.)

ENGL 393. American Literature in Focus: After 1945. (4 Credits)
In-depth study of an author or authors, movement, genre, or theme in American literature in the period from Realism through Modernism in American literature. (4 hour parallel to ENGL 342.)

ENGL 415. The Archaeology of Texts: Bibliographical Investigations. (4 Credits)
An exploration of the overlapping fields of bibliography, textual criticism, and book history as they have developed in the last pre hundred years. Students will both read landmark works within these fields and undertake hands-on applications of the theories that they encounter in readings.

ENGL 431. Christianity and Fantasy. (4 Credits)
ENGL 433. Varied Literary Topics. (2 or 4 Credits)
Selected topics, studied with a view to giving added breadth and depth to
the understanding of special areas of literature. Where appropriate, this
course may be substituted for listed requirements.

ENGL 434. Modern Literary Theory. (4 Credits)
An introduction to the most influential modern theories about what
literature is and how we experience it, with particular emphasis on
decomposition, feminism, New Historicism, and post-colonial criticism.

ENGL 435. History of Literary Criticism. (4 Credits)
Key documents in the history of Western thought about literature,
from Plato's banishment of the poets to the advent of Modernism.
Other authors studied include Aristotle, Augustine, Dante, Sidney, Kant,
Coleridge, Arnold, Nietzsche, and Marx.

ENGL 485. Studies in Wade Center/Special Collections Authors. (2
Credits)
An in-depth study of a single author or a small number of authors
included in the Wade Center and/or in Buswell's Special Collections.
Students will be introduced to archival research as they explore authors
such as C.S. Lewis, J.R.R. Tolkien, G.K. Chesterton, Dorothy L. Sayers,
Charles Williams, George MacDonald, and Owen Barfield. (Open to Majors
only, does not count for general education.)

ENGL 486. Studies in Wade Center/Special Collections Authors. (4
Credits)
An in-depth study of a single author or a small number of authors
included in the Wade Center and/or in Buswell's Special Collections.
Students will be introduced to archival research as they explore authors
such as C.S. Lewis, J.R.R. Tolkien, G.K. Chesterton, Dorothy L. Sayers,
Charles Williams, George MacDonald, and Owen Barfield. (Open to Majors
only, does not count for general education.)

ENGL 494. Senior Seminar in English. (4 Credits)
Selected subjects, such as a group of writers, a literary form, or a theme,
studied with a view to critical concerns and the integration of Christ at
the Core experiences in literary study. Includes vocational component.

ENGL 495. Independent Study. (1 to 4 Credits)
An individually planned program of reading, research, and consultation
under the supervision of a member of the department.

ENGL 496. Literature Internship. (1 to 4 Credits)
English Department approval. Graded pass/fail.

ENGL 499. Honors Thesis. (4 Credits)
An independent scholarly project requiring original research and
culminating in an oral defense. By application only.
ENGLISH WRITING (ENGW)

ENGW 103. First Year Writing: Composition and Research. (4 Credits)
First Year Writing equips students to grow as writers in the Wheaton College classroom and beyond. The course is designed to prepare students to write effectively in a variety of social contexts and to improve student learning and performance in many other facets of their undergraduate education.

General Education: COMP

ENGW 104. First Year Writing: Composition and Research. (2 Credits)
First Year Writing equips students to grow as writers in the Wheaton College classroom and beyond. The course is designed to prepare students to write effectively in a variety of social contexts and to improve student learning and performance in many other facets of their undergraduate education. Credit not given in addition to ENGW 103. Prerequisite: placement test scores as stated under General Education Requirements.

General Education: COMP

ENGW 213. Creative Writing. (4 Credits)
Practice in a variety of literary forms, with emphasis on the development of tone and style. Prerequisite: completion of general education writing requirement.

ENGW 214. Rhetorical Writing. (2 Credits)
Practice in a variety of essay forms, with emphasis on the development of a polished prose style. Prerequisite: completion of general education writing requirement.

ENGW 233. Writing Chicago. (4 Credits)
This course engages the literature of Chicago writers and supports students as they work on their own academic, creative, and/or community-based writing projects. LE
Tags: LE

ENGW 332. Creative Non-Fiction. (4 Credits)
Practice combined with a study of the literary essay. Prerequisite: ENGW 213 or ENGW 214 or permission of the instructor.

ENGW 333. Writing for Social Change. (4 Credits)
Explores writing as a means of social action and supports students as they write with and for one another, their communities, and members of local organizations and institutions. Prerequisite: Completion of at least one 200 level writing course (2-4), unless specified by the instructor.

ENGW 335. Poetry Writing and Criticism. (4 Credits)
Practice combined with a study of modern and contemporary poetry. Prerequisite: ENGW 213 or permission of the instructor.

ENGW 336. Fiction Writing and Criticism. (4 Credits)
Practice combined with a study of modern and contemporary fiction. Prerequisite: ENGW 213. For English majors or with permission of the instructor.

ENGW 444. Special Topics in Writing. (2 or 4 Credits)
Selected topics or genres, studied with a view to giving added breadth and depth to the understanding of special areas of writing. Open to writing concentration students or with permission of the instructor. Prerequisite: completion of at least one 200-level writing course.

ENGW 471. Composition Theory, Practice, and Pedagogy. (4 Credits)
A survey of composition theory, grammar, and approaches to the teaching of writing, along with extensive practice in expository writing. Required for English majors pursuing secondary education licensure, prior to student teaching. Open to English majors interested in teaching writing and elementary education majors with a language arts concentration (with the instructor's approval). Prerequisites: completion of general education writing requirement and junior status.

ENGW 494. Senior Seminar in Writing. (4 Credits)
Selected subjects or genres in writing, studied with a view to critical and professional concerns and the integration of faith and learning in issues of writing. Open only to writing concentration students.

ENGW 495. Writing Projects. (1 to 4 Credits)
Writing Projects.

ENGW 496. Writing Internship. (1 to 4 Credits)
English Department approval. Graded pass/fail.
ENVR 212. Dynamic Earth and Environment. (4 Credits)
Introduction to the processes, cycles and systems of earth and environment. Special emphasis on human dependence upon earth’s physical properties and processes and the environmental impacts of human activity. Plate tectonics and environmental systems provide frameworks for understanding earth materials and structures, global change, natural hazards (volcanoes, earthquakes, floods), water resources (surface and ground water, glaciers), biological/agricultural resources, energy and mineral resources, and associated environmental hazards. Explorations of biblical creation accounts and environmental stewardship relevant to course topics. Three lecture hours and two hours laboratory. Field trip fee.
Tags: SP

ENVR 221. Living in the Environment: An Introduction to Environmental Science. (4 Credits)
An introduction to the historical and contemporary problems and dilemmas faces as humans live in and interact with the environment. The scientific basis, cultural causes, social implications, ethical dimensions, and avenues for constructive response are addressed. Three lectures, three hours laboratory. Lab fee and field trip fee.
Tags: SP

ENVR 231. Environmental Law, Justice, and Development. (2 Credits)
Exploration of the effects of development on patterns of material use and waste release. Analysis of unsustainable practices and the resulting resource depletion and pollution production. Approaches to regulating environmental impacts. The disproportionate burden of resource loss and toxic emission on vulnerable populations is emphasized.

An understanding of the natural world will support the analysis of the role of society in creating, perpetuating and addressing these challenges. The role of personal and cultural responsibility for stewarding the natural environment will be emphasized. Field and classroom investigations will focus on the Black Hills context. Lab fee $50.
Tags: SIP

ENVR 319. Environmental Ethics. (4 Credits)
A survey and analysis of major scientific problems and foundational philosophies underlying contemporary environmental ethics and the application of environmental ethics to the scientific and professional practice of conservation and environmental stewardship in scientific research, personal decision making, and professional environmental management. Prerequisite: Lab science course.

ENVR 325. The Global Commons: International Issues in Environmental Science. (4 Credits)
An examination of environmental issues and challenges around the globe. The scientific principles needed to understand and characterize the problems will be covered as well as the economic, political, historical and cultural factors that drive the development of the problems. Attention will be given to integrated and holistic approaches to addressing environmental challenges. Prerequisite: SP course.
Tags: GP, SIP

ENVR 341. Quantitative Methods for Environmental Analysis and Problem Solving. (4 Credits)
Mathematical approaches to quantitatively describe, analyze, and understand environmental processes. Descriptive and inferential statistical techniques and numeric modeling are used to address environmental problems. Emphasis is on applications of the methods to practical problems and the use of computer resources. Three lectures, two hours laboratory.
Tags: AAQR

ENVR 371. Introduction to Geographic Information Systems. (2 Credits)
The hardware and software technology of GIS programs. Basic concepts of spatial data collection, storage, processing, and interpretation, combined with remote sensing. Uses the popular GIS software ArcGIS. Three hours lecture, two hours laboratory. Lab fee.

ENVR 381. Environmental Pollution and Toxicology. (4 Credits)
A study of the sources, environmental and human health impacts, and regulatory and engineering control of environmental pollution. Air pollutants, surface and groundwater pollutants, solid waste and hazardous waste will be covered. Human health impacts will be studied from a toxicologic and epidemiology basis. Measurement techniques will be covered in lab sessions. Three lectures, three hours laboratory. Lab fee. Prerequisite: Laboratory science (SP) course.

ENVR 395. Independent Studies in Environmental Science. (2 to 4 Credits)
Field, laboratory and literature research under faculty direction. Application of data gathering and analysis methods. Communication of results in multiple formats. Prerequisite: Instructor approval.

ENVR 422. Sustainable Agriculture. (2 Credits)
This course provides an overview of the intersections among food production, environmental capacity, culture, economics, and governance. We will examine biophysical and human systems. Global and majority world applications and issues will play a prominent role in the course. Prerequisite: SP course

ENVR 432. Introduction to Environmental Engineering. (4 Credits)
Environmental engineering applies science and mathematics to identify problems and develop solutions that protect people from pollution in various forms, safeguards public health, and improves environmental quality. This course will take an algebra-based approach to introduce students to engineering principles and practices used in water resources management, water supply and treatment, wastewater treatment, air pollution management and solid waste management. A sustainability theme will run throughout the course, as well will considerations for both domestic and international applications. Prerequisite: SP course.

ENVR 494. Environmental Science Capstone. (2 Credits)
A culminating experience for environmental science students’ college career. Topics from across the breadth of the curriculum are integrated with environmental issues. Students explore the role of their liberal arts education and the practice of environmental stewardship as part of a personal and professional vocation. Prerequisites: ENVR 495 or 496, or permission of instructor.

ENVR 495. Environmental Science Research. (2 to 4 Credits)
Field, laboratory, or library research involving selection of a research problem, review of appropriate professional literature, completion of data collection and analysis, and preparation of one or more professional papers submitted for presentation or publication in an appropriate professional venue. Requires direct supervision and mentoring by the program director of Environmental Science or faculty approved by the director.
ENVR 496. Environmental Science Internship. (2 to 4 Credits)
An extended and concentrated experience in research, management, or education in environmental science under approved professional supervision and college guidelines. Prerequisites: Sophomore standing or higher and approval by the program director of Environmental Science.

ENVR 497. Environmental and Conservation Science Research Seminar.
(1 Credit)
A weekly seminar featuring presentations of on-going primary research on problems of environmental and conservation studies in the natural and social sciences. Graded pass/fail. One hour per week. Prerequisites: Sophomore standing or higher.
EVANGELISM-MA (EVAN)

EVAN 516. Spiritual and Professional Formation. (2 Credits)
Introduction to personal and corporate formation through various dimensions such as the intellectual, physical, spiritual, social, and emotional with an emphasis on the integration of biblical perspectives. Transformational practice is encouraged through literature survey and contemporary case studies.

EVAN 526. Gospel: Theological Perspectives on Evangelism and Renewal. (4 Credits)
Examines the gospel as the good news of God’s inaugurated kingdom, with a focus on the centrality of Jesus’ death and resurrection as interpretive center. Investigates the dynamic of the spread of this good news throughout Scripture and history. Explores more recent movements of renewal and revival in relation to issues of evangelism and social transformation.

EVAN 534. Apologetics in Global Contexts. (2 Credits)
Examines apologetics as the study and practice of establishing the plausibility of the Christian faith within particular cultures and contexts. Explores various philosophical and cultural frameworks for apologetics and then applies them to modernist, postmodern, multi-ethnic and global contexts and questions.

EVAN 542. Church: Movements & Models. (4 Credits)
Explores different paradigms and models of church, paying special attention to the most recent emerging missional movements and their characteristics, impact and trajectory. Includes field trip visits and guest lecturers representing various existing models of churches and ministries. Assesses ministries using a number of different evaluative tools that are widely used. Fee $30.

EVAN 545. Culture: Emerging & Global. (4 Credits)
Explores the shape of ministry and evangelism in postmodern, post-Christendom and globalizing cultures. Examines popular culture in the U.S. as a key context for ministry and a critical influence around the world. Reframes evangelism, apologetics, preaching, healing, and discipleship in relation to the significant cultural shifts that are occurring.

EVAN 546. Discipleship. (2 Credits)
This course examines the biblical and historical models and principles for the life-long process of making disciples in a changing culture. Built on the foundation of spiritual formation and mentoring, students will be challenged to grow as disciples so that they might also equip and encourage others to grow in following Jesus.

EVAN 547. Evangelistic Communication. (2 Credits)
Exposes students to the dynamics of communication and communication theory, with application to the task of communicating the gospel in contemporary contexts. The theological, conceptual, and practical role of media, drama, the arts, metaphor, and symbol will also be explored.

EVAN 548. Evangelism and the Local Church. (4 Credits)
Explores the theology, strategies, practice, and leadership styles associated with implementing evangelism through a variety of ecclesiological traditions and local church settings.

EVAN 556. Leadership and Evangelism. (2 Credits)
Examines the literature on personal leadership development, biblically and in contemporary contexts, with application to the task of leading the church or Christian agencies into evangelistic effectiveness. Special attention is given to devise or revise the mission and vision of a Christian organization seeking to be missional.

EVAN 558. Personal Development and Leadership. (4 Credits)
Examines the theological, theoretical, and practical foundations for leadership in relation to personal development, stages of development over the life cycle, spiritual disciplines, personal witness, and the leader’s relational skills and practices.

EVAN 559. Organizational and Change Leadership. (4 Credits)
Explores the processes, stages, and leadership capacities and skills for leading change in organizations. Examines biblical and theological perspectives on leadership, organizations and change. Introduces principles of social entrepreneurship. Equips students for leading churches and organizations toward becoming missional and evangelistic.

EVAN 573. Evangelism Research Methods. (2 Credits)
Equips students with the rationale and methodology of qualitative research in cultural contexts, with an emphasis on the application of qualitative methods to a specific context through research projects.

EVAN 691. Ministry Practicum. (2 Credits)
Provides practical, guided ministry experience in which students serve under supervision with regular interaction and instruction in the area of ministry. Graded pass/fail.

EVAN 692. Comprehensive Exam. (0 Credits)
Prerequisite: submission of Candidacy form. Fee $75. Graded pass/fail.

EVAN 694. Seminar In Evangelism. (2 or 4 Credits)
In-depth study of selected topics growing out of special concerns of professors and students.

EVAN 695. Independent Study. (1 to 4 Credits)

EVAN 696. Internship. (2 or 4 Credits)
Graded pass/fail.

EVAN 698. Thesis/Applied Thesis. (2 or 4 Credits)

EVAN 699. Thesis/Applied Thesis Contin. (0 Credits)
FRENCH (FREN)

FREN 101. Elementary French I. (4 Credits)
Beginning French with emphasis on listening comprehension, speaking, reading, and writing. Laboratory work. Cannot receive credit for both (FREN 101, 102) and FREN 103.

FREN 102. Elementary French II. (4 Credits)
Beginning French with emphasis on listening comprehension, speaking, reading, and writing. Laboratory work. Cannot receive credit for both (FREN 101, 102) and FREN 103.

FREN 103. Accelerated Elementary French. (4 Credits)
Intensive study of beginning French with emphasis on listening comprehension, speaking, reading, and writing. Laboratory work. Required of students with two years of high school French.

FREN 201. Intermediate French. (4 Credits)
Intermediate French with emphasis on reading, writing, and conversation in the context of French-speaking culture. Prerequisite to any further study in French. Prerequisite: FREN 102, 103 (or equivalent)

General Education: COMP

FREN 209. Intermediate French In France. (4 Credits)
Conversation, composition, and grammar review, with on-site experience of history and culture of France. Offered in France only. (Subject to department approval.)

FREN 331. French Conversation. (4 Credits)
Intensive practice in oral and written communication with emphasis on listening comprehension and natural spoken expression based on videos, and readings of authentic materials.

FREN 333. Global French: Introduction to the Francophone World. (4 Credits)
Introduction to the Francophone world through exposure to a diversity of cultural artifacts (literature, newspaper articles, written and oral interviews, films, songs) from various French-speaking countries. This course includes a systematic review of French grammar with a special emphasis on written expression.

FREN 334. Culture And Communication. (2 Credits)
Study of French history, art, architecture, film, geography, social and economic structures; acquisition of skills useful in business. Different emphasis each year; may be repeated for credit.

FREN 335. Francophone Civilization and Culture. (2 to 4 Credits)
On-site study of Francophone history, architecture, art, politics, and society. Offered in Francophone countries only.

FREN 338. Advanced French in Francophone Country. (2 to 4 Credits)
Advanced grammar, conversation, and composition, taught by native speakers in a Francophone university setting. Course content and level variable. Offered in Francophone countries only.

FREN 347. Francophone Literature. (4 Credits)
Overview of Francophone writers from the 20th and 21st centuries with selected readings from various literary works. Offered odd years in the fall.

Tags: LE

FREN 348. Adolescence & Early Adulthood in Modern French Literature. (4 Credits)
Exploration of representations of adolescence and early adulthood in French literature from the Renaissance to the present. Various genres: essays, plays, poetry, novels.

Tags: LE

FREN 371. Methods of Teaching Foreign Languages. (4 Credits)
The study of various methodologies, theories, and techniques of foreign language teaching; introduction to linguistics for second-language acquisition. Practice in a variety of micro-teaching situations. Required for secondary education licensure; otherwise, an elective toward major or minor.

FREN 431. Advanced Conversation. (2 Credits)
High level development of oral communication with emphasis on vocabulary acquisition and expression approaching native speech. Offered alternate years.

FREN 432. Advanced Grammar and Stylistics. (2 Credits)
General grammar review and advanced study of lesser-taught structures and nuances of meaning in order to improve critical awareness of stylistics and vocabulary and to develop authenticity of expression. Offered alternate years.

FREN 439. Topics in French Language and Literature. (2 or 4 Credits)
Varied subjects including genre and movement studies, culture, and advanced language. May be repeated for credit.

FREN 489. Topics in France. (2 Credits)
Varied subjects including literary and cultural studies. Offered in France only.

FREN 494. Senior Seminar. (4 Credits)
This course is designed to be a culminating experience in which students demonstrate skills and knowledge acquired over their course of study as a French major at a liberal arts institution. Prerequisites: FREN 331, 333, study abroad, FREN 347 or FREN 347. Lab fee required.

FREN 495. Independent Study. (1 to 4 Credits)
Reading and individual study of some aspect of French culture, literature, or language. Department approval required.

FREN 496. Internship. (2 or 4 Credits)
Department approval required. Graded pass/fail. Prerequisite: junior or senior standing with French major.
GENDER STUDIES (GEND)

GEND 494. Gender Studies Capstone. (2 Credits)
This course pulls together students' exploration of gender through the perspectives of theology, the social sciences, and humanities. The Gender Studies Capstone course promotes the mission statement of the Sociology/Anthropology department: to develop a biblical foundation for understanding social interaction both within American society and across cultures. Prerequisites: SOC 347 and BITH 383.

GEND 495. Gender Studies Independent Study. (2 Credits)
Guided reading and research for the advanced major or research internship in ongoing institutional or faculty research.
GEOGRAPHY (GEOG)

GEOG 211. General Geography. (2 Credits)
This course will examine the interrelationships between people and their geographic environments; physical, social, economic, political, demographic, and cultural. Students will be expected to learn basic place names and to understand geographic relationships, concepts, and terms. Required of all students seeking teacher licensure in the social sciences. Does not count as a history course for students pursuing the regular history major.
GEOLOGY (GEOL)

See the Financial Information (p. 464) section of this catalog for course fees.

GEOL 201. Exploring the Dynamic Earth - Field. (4 Credits)
Introduction to geoscience in the field, focus on geological history of the SD Black Hills through on-site study of rocks, minerals, fossils, and earth processes as seen in rock strata, folds, faults, mountains, mines and other human impacts on the environment. Emphasis on field excursions and data collection procedures (topographic and geologic maps, sample collection, and feature interpretations). "Indoor" lab work supports the fieldwork. Field trip fee. Offered only at the Science Station. Three hours lecture, three hours laboratory.
Tags: SP

GEOL 211. Exploring the Dynamic Earth. (4 Credits)
Introduction to the physical properties and processes of the Earth with special emphasis on the current practice of geology and its significant contributions to humans and the environment. Topics are presented in the plate tectonic framework to include minerals and rocks, igneous activity, earthquakes, rivers, ground water, glaciers, and energy and mineral resources. Field trip fee. Three hours lecture, two hours laboratory.
Tags: SP

GEOL 212. Dynamic Earth and Environment. (4 Credits)
Introduction to the processes, cycles and systems of earth and environment. Special emphasis on human dependence upon earth's physical properties and processes and the environmental impacts of human activity. Plate tectonics and environmental systems provide frameworks for understanding earth materials and structures, global change, natural hazards (volcanoes, earthquakes, floods), water resources (surface and ground water, glaciers), biological/agricultural resources, energy and mineral resources, and associated environmental hazards. Explorations of biblical creation accounts and environmental stewardship relevant to course topics. Three hours lecture and two hours laboratory. Field trip fee.
Tags: SP

GEOL 232. Environmental Geochemistry. (4 Credits)
Solutions; kinetics; chemical equilibrium; acid/base chemistry; carbonate chemistry; oxidation/reduction chemistry; carbon, nitrogen, phosphorous and sulfur cycles; surface chemistry; atmospheric chemistry; chemical weathering and soils; environmental mineralogy; diagenesis; organic geochemistry; radiogenic isotopes; stable isotopes. Three lectures, three hours laboratory. Prerequisites: GEOL 201 or GEOL 212 or ENVR 212; and CHEM 231.

GEOL 307. Water: The Essential Natural Resource. (4 Credits)
An overview of our most important natural resource - water. Topics include occurrence, chemistry, physiological requirement for water, effects upon past and present civilizations, surface and groundwater flow, global water supply, water pollution, water exploration and extraction.
Tags: SIP

GEOL 308. Energy & Climate Change. (4 Credits)
Human use of energy and its predicted impact upon climate change. Review of the past and present use of global fossil fuel consumption as a possible cause of climate change. Study of past climate change since the ice age, present climate, basic meteorology, and future predictions of climate change forced by energy use and the resulting impact upon civilization. Arguments for and against global warming are evaluated with analysis through the science of climate change. Concludes with consideration of alternate energy sources to mitigate any effects of climate change.
Tags: SIP

GEOL 321. Earth History and Stratigraphy. (4 Credits)
Basic principles of interpreting Earth history: geologic time, stratigraphic analysis, reconstructing past environments. Actualism, catastrophism and engagement with Christian theology in the historical development of geology. Overview of Earth history including origin of Earth-Moon, history of life, stratigraphic record and tectonic activity. Field trip fee and lab fee. Three hours lecture, two hours laboratory.
Tags: SIP

GEOL 332. Studies In Regional Geology. (1 or 2 Credits)
Geologic study in the field of a selected region during an excursion over spring vacation or in May following commencement. Learning emphasis is on structural and stratigraphic framework, interpretation of geologic history, and natural resources of the region. Assignments include background readings, participation in discussions in the field, and preparation of field notes. (Field trip fee varies by destination.) Prerequisite: GEOL 201, 211, or consent of instructor. (1 or 2, repeatable for a max. of 4)

GEOL 336. Process Geomorphology. (4 Credits)
The study of earth surface processes and the landforms they produce in the context of engineering and environmental applications. Topics include processes and landforms associated with: weathering, mass wasting, rivers, karst, neotectonics, glaciers, shorelines, and wind. Individual project and laboratory assignments required, including qualitative descriptions and quantitative measurements from topographic and geologic maps, and aerial photographs. Three hours lecture, three hours laboratory. Field trip fee and lab fee. Prerequisite: GEOL 201, 211, or consent of instructor. Alternate years.

GEOL 341. Quantitative Methods for Environmental Analysis and Problem Solving. (4 Credits)
Three hours lecture, two hours laboratory. See ENVR 341.
Tags: AAQR

GEOL 342. Fundamentals of Geochemistry. (2 Credits)
Principles and applications of Earth's chemical systems. Topics include low (aqueous) and higher temperature phenomena, crystal chemistry, trace-element distribution, isotopic and applied geochemical methods. Three hours lecture and two hours laboratory per week. Prerequisites: one introductory geology class (such as GEOL 201 or 211) and one semester of a chemistry lab class is recommended.

GEOL 343. Fundamentals of Mineral Science. (2 Credits)
A brief survey of theory and applications in mineralogy. Emphasis is on chemical classification, modes of occurrence, modern techniques of mineral identification, and utility. Three hours lecture and two hours laboratory per week. Prerequisites: GEOL 201, or 211. Alternate years.
GEOL 344. Igneous and Metamorphic Petrology. (4 Credits)
The study of igneous and metamorphic rocks along with related topics in high-temperature geochemistry. Lecture sessions present petrogenesis and classification within the context of different plate tectonic settings. The emphasis is on topics such as magmatic melting and crystallization processes; the role of temperature, pressure, and fluids; thermodynamics; and isotope and trace element geochemistry. Laboratory projects include the identification and observation of rock types and their variation, quantitative use of thermodynamics and geochronology, and the significance of rock fabrics as observed in hand specimen and thin section. Three hours lecture, two hours laboratory. Field trip fee and lab fee. Prerequisites: GEOL 201 or 212, and GEOL 343; GEOL 232 recommended.

GEOL 345. Sedimentary Geology. (2 Credits)
Description and interpretation of sedimentary rocks with emphasis on field content. Topics include classifications, sediment provenance, application of depositional facies models, diagenesis, basin analysis, and natural resources. Methods include field techniques and petrographic analysis of thin sections. Offered only at Wheaton College Science Station in the Black Hills. Prerequisites: GEOL 201, 211, or 212 or ENVR 212; and GEOL 321. Alternate years, SU. Three hours lecture, two hours laboratory.

GEOL 355. Introduction to Soil Science. (2 Credits)
Basic survey including the origin and properties of soils, their classification and applications to agriculture, third world development, engineering, environmental issues. Laboratory and field experiences will provide opportunities to observe soil profiles and measure physical properties. Three hours lecture and two hours laboratory. Field trip fee and lab fee. Alternate years.

GEOL 365. Physics of the Earth. (2 Credits)
Principles and applications of geophysics related to the study of the Earth's deep interior and geophysical prospecting. Topics include earthquake seismology, Earth's gravity, shape, magnetism, paleomagnetism, heat flow, temperature, and geodynamics. Also applied methods of seismic reflection and refraction, gravimetry, magnetism, electromagnetism, and resistivity. Three hours lecture, two hours laboratory. Prerequisite: one-four-hour physics laboratory course or permission of instructor. Alternate years. Lab fee.

GEOL 371. Introduction to Geographic Information Systems. (2 Credits)
The hardware and software technology of GIS programs. Basic concepts of spatial data collection, storage, processing, and interpretation, combined with remote sensing. Uses the popular GIS software ArcGIS. Three hours lecture, two hours laboratory. Lab fee.

GEOL 372. GIS Practicum. (2 Credits)
Application of GIS methods to student-designed projects. Hardware and software expertise derived from GEOL 371 (prerequisite). Two hours directed research, one hour discussion per week.

GEOL 385. Topics in Earth Science. (2 or 4 Credits)
Selected topics from the following: economic geology, appropriate technologies, tectonics, and regional studies. Lectures or lecture/laboratory. Prerequisite: GEOL 201, or 211.

GEOL 395. Geoscience Research. (1 or 2 Credits)
Field, laboratory, or literature research in the geosciences under faculty direction. Application of data gathering and analysis methods. Communication of results in multiple formats. Prerequisite: Instructor approval.

GEOL 412. Field Geology. (6 Credits)
The comprehensive exercise of geological field techniques and interpretation in the context of western South Dakota and the Rockies. Projects involve the preparation of maps and reports from diverse areas and of varying complexity. Offered only at the Science Station. Field trip fee and lab fee. Three hours lecture, four hours laboratory (field activity). Prerequisite: GEOL 443 or consent of instructor. Corequisite: must be taken with GEOL 413. Alternate years.

GEOL 413. Rocky Mountain Geology. (2 Credits)
Field geological study in the northern Rocky Mountains of South Dakota, Montana, and Wyoming. Observation of rock, strata, and structures in classic localities, including Black Hills, Devil's Tower, Big Horn and Bear Tooth Mountains, and Yellowstone and Grand Teton National Parks. Field trip fee. Corequisite: must be taken with GEOL 412. Alternate years.

GEOL 437. Hydrogeology. (4 Credits)
Basic processes and measurement of the hydrologic cycle, including: precipitation, evaporation, surface runoff, stream flow, soil moisture, and groundwater. Emphasis placed on groundwater, including: geology of occurrence, principles of flow, conceptual models of regional flow, chemistry and quality, well hydraulics, aquifer characteristics, resource development, detection of pollutants, and contaminant transport. Three hours lecture, three hours laboratory. Field trip fee and lab fee. Prerequisite: GEOL 201, 211, or consent of instructor. Alternate years.

GEOL 443. Structural Geology. (4 Credits)
Architecture of the dynamic earth. Earth movement and deformation in the context of plate tectonics. Laboratory simulation of stress and strain, study of deformed rocks, and interpretation of geologic maps; measurements and computations. Three hours lecture, three hours laboratory. Field trip fee and lab fee. Pre/Corequisite: GEOL 201 or 211. Alternate years.

GEOL 494. Senior Capstone Seminar for Geology Majors. (2 Credits)
Integration seminar for seniors or for juniors who have completed most geology requirements. Reading and discussion of history and philosophy of geological science and critical reflection of student's experience in Christian liberal arts education, understanding of vocation and ethical considerations of practice. Prerequisite: Completion of 16 credit hrs of GEOL courses.

GEOL 495. Geoscience Independent Study. (2 to 4 Credits)
Field, laboratory or library research involving selection of a research problem, review of appropriate professional literature, completion of data collection and analysis, and preparation of a written report. Student will be encouraged to present results in an appropriate professional venue. Requires direct supervision and mentoring by geoscience faculty. Prerequisites: consent of instructor and department chair.

GEOL 496. Internship. (1 to 4 Credits)
Supervised off-campus experience with departmental approval. Graded pass/fail. Prerequisite: junior or senior standing with Geology or Environmental Studies major. (credit variable)

Note: GEOL 307, GEOL 308 credit not applicable for Geology majors.
GERMAN (GERM)

GERM 101. Elementary German I. (4 Credits)
Beginning German with emphasis on understanding, speaking, reading, and writing. Laboratory practice. Cannot receive credit for both (GERM 101, 102) and GERM 103.

GERM 102. Elementary German II. (4 Credits)
Beginning German with emphasis on understanding, speaking, reading, and writing. Laboratory practice. Cannot receive credit for both (GERM 101, 102) and GERM 103.

GERM 103. Accelerated Elementary German. (4 Credits)
Intensive study of beginning German with emphasis on understanding, speaking, reading, and writing. Laboratory work. Required of students with two years of high school German.

GERM 201. Intermediate German. (4 Credits)
Conversation, composition, and grammar review based on readings and videos; exploration of various aspects of culture of German-speaking communities. Online drill work. Prerequisite to any further study in German. Prerequisite: GERM 102, 103 (or equivalent)

General Education: COMP

GERM 209. Intermediate German in Germany. (4 Credits)
Conversation, composition, and grammar review, with on-site experience of history and culture of Germany. Offered in Germany only.

GERM 338. Advanced German in Germany. (4 Credits)
Development of oral proficiency. Discussion and interpretation of shorter literary texts, and social and political topics. Offered in Germany only.

GERM 341. Contemporary German Culture and Mores. (4 Credits)
Introduction to institutions of contemporary German culture and society, including geography, gender relationships and the family, the church, the educational system, politics and government, minority populations, labor and economics, popular culture and media. Overview and analysis of behavioral norms and mores in the Federal Republic, coupled with comparative reference to the United States and broader German-speaking Europe. Intensive practice in oral and written communication with emphasis on listening comprehension and natural spoken expression based on audio recordings, video materials, and readings of authentic texts. Lab fee required.

GERM 342. Contemporary German Culture: Politics, Economics, and Current Events. (4 Credits)
An exploration of contemporary German culture as mediated through German newspapers, magazines, and various online sources. Special focus on current events with an emphasis on political and economic issues in Germany, Austria, and Switzerland. Continued review of grammar started in GERM 341. Conducted in German.

GERM 343. German Cultural Identity from Charlemagne to the Berlin Republic. (4 Credits)
A survey of cultural periods and developments in German-speaking Europe from early beginnings in the Holy Roman Empire to the present day Berlin Republic with special focus on the question of German national identity. The course will investigate a variety of cultural artifacts including short prose texts, poetry, dramatic performances, film clips, select artworks, and architectural examples. Emphasis on cultural literacy and communicative expression. Taught on-site in Munich, Berlin, and environs yearly during May-June "Wheaton in Germany" program. Conducted primarily in German. Prerequisites: either GERM 341 or 342 (and instructor approval).

Tags: GP, HP

GERM 351. Topics in German Literature. (4 Credits)
Topics in German literature including genre, movement, and author studies. Taught primarily in German. May be repeated for credit.

Prerequisite: a 300-level course in German or instructor permission.

Tags: LE

GERM 361. Topics in German Language and Cultural Studies. (4 Credits)
Focus on issues in German cinema, history, philosophy, society and theology, or on German language for special purposes, such as German for business and economics. Discussion, writing and presentation assignments, and major readings and film screenings in German. Prerequisite: GERM 341, 342, 343, or instructor approval. May be repeated for credit.

GERM 363. Topics in German Language and Cultural Studies. (2 Credits)
Focus on issues in German cinema, history, philosophy, society and theology, or on German language for special purposes, such as German for business and economics. Discussion, writing and presentation assignments, and major readings and film screenings in German. Prerequisite: GERM 341, 342, 343, or instructor approval. May be repeated for credit.

GERM 371. Methods of Teaching Foreign Languages. (4 Credits)
The study of various methodologies, theories, and techniques of foreign language teaching; introduction to linguistics for second-language acquisition. Practice in a variety of micro-teaching situations. Required for secondary education licensure; otherwise, an elective toward major or minor.

GERM 372. German for Reading. (4 Credits)
Intensive introduction to German grammar for the special purpose of reading/translating academic prose (scholarly books and journal articles), with a particular focus on readings in theological disciplines and the humanities. Acquisition of a broad recognition vocabulary and development of basic reading comprehension abilities. Recommended for undergraduates anticipating graduate study in humanities and theological studies. Does not count toward Foreign Language Requirement. Not open to German majors/minors without special permission. Cross-listed with BITH 505.

GERM 373. German for Reading II: Translation Workshop. (0 Credits)
Building on GERM 372/BITH 505, this course meets weekly during the subsequent semester for an intensive workshop in reading/translating academic prose (primary sources; scholarly books and articles), with a particular focus on readings in theological disciplines and the humanities. Emphasis on textual analysis, review and expansion of key structures, management of linguistic challenges, and development of global reading skills. Prerequisite: GERM 372, BITH 505 or the equivalent. Cross listed with BITH 506.

GERM 431. "Other" Germans: Turkish and Minority Experience. (4 Credits)
Focus on issues in German cinema, history, philosophy, society and theology, or on German language for special purposes, such as German for business and economics. Discussion, writing and presentation assignments, and major readings and film screenings in German. Prerequisite: GERM 341 or 342 or permission of instructor.

Tags: GP
GERM 432. The Holocaust and Contemporary Jewish Experience. (4 Credits)
Written and oral analysis of depictions of the Holocaust in various national literary and cinematic media and of contemporary Jewish authors in the German-speaking countries; exploration of issues facing contemporary Jews in German-speaking Europe. Includes medium-length research paper. Conducted in German with some discussion in English.
Tags: GP

GERM 437. Topics in German Language and Literature. (2 or 4 Credits)
Varied subjects, including genre and movement studies, film, culture, and advanced language. May be repeated for credit.

GERM 489. Special Topics. (2 to 4 Credits)
Advanced study in language, literature, and civilization in Germany. Offered in Germany only.

GERM 491. Practicum. (0 to 2 Credits)
Offered in Germany only. Graded pass/fail.

GERM 492. Faith & Literature & Film. (2 Credits)
(Section 1) 492-1 Agents of Change: Faith and the Social Order in German Literature and Film. Intensive seminar on interactions between society and varieties of belief in Germany, Austria and Switzerland. Literary readings and analysis of cinematic works, supplemented with critical theories and socio-historical sources in German and English. Open to students who have taken GERM 494-2 or by permission. Offered alternate years. Cross-listed with GERM 494-1. (Section 2) 492-2 Faith and its Role in German Literature from the Medieval Period to the Fall of the Third Reich. Intensive seminar with emphasis on the intersection of German literature with Christian theological perspectives from the High Middle Ages until the end of World War II. Open to students who have taken GERM 494-1 or by permission. Offered alternate years. Cross-listed with GERM 494-2.

GERM 494. Senior Seminar. (4 Credits)
(Section 1) 494-1. Agents of Change: Faith and the Social Order in German Literature and Film. Intensive seminar on interactions between society and varieties of belief in Germany, Austria and Switzerland. Literary readings and analysis of cinematic works, supplemented with critical theories and socio-historical sources in German and English. Students will produce a major research paper that integrates Christian faith with the subject matter. Offered alternate years. Meets Senior Capstone Requirement. Lab fee required. (Section 2) 494-2. Faith and its Role in German Literature from the Medieval Period to the Fall of the Third Reich. Intensive seminar with emphasis on the intersection of German literature with Christian theological perspectives from the High Middle Ages until the end of World War II. Students will produce a major paper that integrates faith with the subject matter. Offered alternate years. Meets Core Capstone Requirement. Prerequisites: GERM 341, 342, 343 (or other study abroad experience) or special permission of instructor. Lab fee required.

GERM 495. Independent Study. (1 to 4 Credits)
Reading and individual study of some aspect of German culture, literature, or language. Department approval required.

GERM 496. Internship. (2 or 4 Credits)
Department approval required. Graded pass/fail. Prerequisite: junior or senior standing with German major.
GEL 211. Vocation Practicum. (2 to 4 Credits)
Students who wish to receive academic credit for an internship or practicum experience not offered through the major or minor department may receive such credit through GEL 211. This course requires prior approval of the Practicum Instructor in the Center for Global and Experiential Learning and participation in a seminar alongside or after the practicum experience. Students may register for the practicum and keep the course in-progress while taking the seminar the semester after the experience (this also allows students to reach the required clock-hours for the practicum within two semesters if needed). Students must complete 40 hours of work experience for each credit earned and must attend the seminar course which meets 7 times during the semester. The course focuses on Christian understandings of vocation and calling, fosters self-reflection on the work experience, and facilitates assessment of work-related skills. The credit earned will count as elective credit towards graduation; it will not count toward a major, minor, or certificate unless it is approved in advance by the appropriate academic department. No more than 12 practicum or internship credits in total may be counted towards graduation requirements. Students must have completed at least two semesters on-campus or at another college or university to enroll.

GEL 231. Orientation to Study Abroad. (2 Credits)
This course serves as the orientation seminar for students planning to study abroad or in other cross-cultural contexts. The course focuses on developing attitudes, knowledge, and skills related to the intercultural competency in order to prepare students to maximize learning during the semester abroad and to engage others in any cross-cultural or diverse context in a meaningful and respectful manner. Students are encouraged to take this course in the B quad before their semester abroad. (The course is required for Wheaton in Mexico program participants.) When taken in combination with GEL 232 Re-Entry Seminar, after the semester abroad or off-campus cross-cultural study experience, the course meets the Global Perspectives thematic core.

GEL 232. Study Abroad Re-Entry Seminar. (2 Credits)
Designed for students who have returned from study abroad or other off-campus study in cross-cultural contexts. Students are encouraged to enroll in the course in the A Quad after return to campus. Building on work completed in GEL 231 Orientation to Study Abroad, and the off-campus experience, it provides the opportunity to identify, pursue, and explore new and/or unanswered cultural and theological questions and to revisit and refine previous work. The course also facilitates the re-entry process and provides a forum for direct contribution to the globalization of the campus community. When this course is completed in combination with GEL 231, it fulfills the Global Perspectives thematic core. Prerequisite: GEL 231.

GEL 301. Survey of Mexican Art. (2 Credits)
This critical survey of Mexican art explores a variety of art forms, genres, and representative pieces while introducing students to elements of creativity as well as cultivating skills and visual sensitivities to enhance active engagement with works of art. In addition to readings, students interact directly with works from diverse periods of human history, from Pre-Columbian times to the present, in the city of Querétaro and during academic excursions in other parts of the country. Students also create artwork during the course and articulate thoughtful Christian reflections on specific works. Concurrent studies of Mexican society, cultures, language and history help students interpret works in context. The course is taught in Spanish during the WIM program and includes academic excursions that allow students engage works of art in context. Prerequisite: SPAN 201 or equivalent. Corequisite: enrollment in Wheaton in Mexico.
Tags: VPAV

GEL 302. Exploring Mexican History. (4 Credits)
This required course explores the complexities of Mexican history from Pre-Columbian times to the present. Students critically analyze primary and secondary sources in both Spanish and English to interpret past events using sound historical reasoning. Students learn to discern and articulate connections between Christian faith and practice and the investigation of historical events. The course is taught in Spanish during the Wheaton in Mexico program and includes academic excursions that allow students to engage significant places and reflect on contemporary interpretations of historical events. Prerequisite: SPAN 201. Corequisite: enrollment in Wheaton in Mexico.
Tags: HP

GEL 321. Engaging Mexican Cultures. (4 Credits)
This seminar is required during Wheaton in Mexico's semester abroad. It builds on themes covered in GEL 231 Orientation to Study Abroad (section for WIM) allowing participants to further develop and apply the knowledge, concepts and skills of intercultural competency. In particular, students employ the concept of culture and engage in participant observation and ethnographic interviewing to explore multiple dimensions of Mexican culture. It serves to integrate the materials learned in other classes taken during the semester and to facilitate the process of cultural adaptation. Prerequisite: GEL 231 (section for Wheaton in Mexico). Corequisite: enrollment in Wheaton in Mexico.
Tags: SI
GREEK (GREK)

GREEK 101. Elementary Greek I. (4 Credits)
Intensive study of elementary grammar, syntax, and vocabulary; selected readings from Ancient Greek authors including those of the New Testament.

GREEK 102. Elementary Greek II. (4 Credits)
Intensive study of elementary grammar, syntax, and vocabulary; selected readings from Ancient Greek authors including those of the New Testament. Prerequisite: GREK 101.

GREEK 201. Intermediate Greek. (4 Credits)
Review of grammar and syntax accompanied by selections from various Greek authors including those of the New Testament. Prerequisite to further work in Greek. Prerequisite: GREK 102 (or equivalent)

General Education: COMP

GREEK 331. Athenian Tragedy. (4 Credits)
Reading a tragedy by Sophocles or Euripides: Oedipus Tyrannus, Antigone, Medea, Bacchae, or other; introduction to literary and historical conventions of Athenian drama; style and dialect of choral poetry; meter; considerations of ethics, gender, myth, religion, and intertextuality. Prerequisite: GREK 201 or competency.

GREEK 332. Homer: Iliad. (4 Credits)
Intensive readings of selected books from the Iliad; introduction to Homeric dialect and meter and the Homeric question; issues of interpretation, especially warfare, ethics, glory, death, and the gods. Prerequisite: GREK 201 or competency.

GREEK 333. Homer's Odyssey. (4 Credits)
Intensive readings of selected books from the Odyssey, introduction to Homeric dialect and meter and the Homeric question; issues of interpretation, especially conceptions of the hero, humans, the gods, narrative, irony; final research paper on a topic of literary or historical interest. Prerequisite: GREK 201 or competency.

GREEK 334. Advanced Koine Reading. (2 or 4 Credits)
New Testament book studies in Greek or selections from the Septuagint or the early church fathers to illustrate the development of thought within Christianity. Prerequisite: GREK 201.

GREEK 335. Plato: The Apology of Socrates. (4 Credits)
The life and times of Athens' most enduring citizen by reading his own defense and others' accounts of his final days. Prerequisite: GREK 201 or competency.

GREEK 336. Classical Rhetoric. (4 Credits)
Intensive readings of speeches selected from Athenian orators: Gorgias, Antiphon, Lysias, Demosthenes, or others; genres and conventions of oratory (deliberative, epideictic, forensic); readings from Aristotle's Rhetoric (in translation) and its application to ancient oratory; tropes and rhetorical analysis. Prerequisite: GREK 201 or competency.

GREEK 337. Greek Prose Composition. (2 Credits)
A systematic review of Greek morphology and syntax by writing sentences in Classical and Koine Greek. Prerequisite: GREK 201.

GREEK 338. Herodotus' Histories. (4 Credits)
Intensive readings of selections from Herodotus' Histories - the first surviving work of history in the West; introduction to the Ionic dialect and Herodotus' style; overview of the Histories' major themes - happiness, fate, freedom, ethnicity, religion, and justice. Prerequisite: GREK 201 or competency.

GREEK 339. Myth/Hesiod. (2 Credits)
Study of Greek mythology through reading selections of Hesiod; overview of epic dialect and meter; examination of genre and comparison to eastern Mediterranean analogs (e.g., Genesis). Prerequisite: GREK 201.

GREEK 342. NT and Patristics. (4 Credits)
Selections from the Greek NT and patristic literature to illustrate the literary and intellectual background of the ancient world and early Christianity. Prerequisite: GREK 201 or competency.

GREEK 343. Septuagint. (4 Credits)
Selections from the Septuagint and intertestamental literature to illustrate the literary and intellectual background of the ancient world leading to Christianity. Prerequisite: GREK 201 or competency.

GREEK 451. Greek Exegesis. (2 or 4 Credits)
Exegesis of books or selected portions of larger books of the Greek New Testament. Capability of translation is assumed because of the prerequisite. The purpose of the course is not to teach Greek grammar but to interpret the New Testament from the Greek text. Course may be repeated for different topics. Prerequisites: BITH 213 or 317 or ARCH 213, BITH 325, and completion of GREK 201 or Greek competency.

GREEK 487. Topics in Greek Language and Literature. (2 Credits)
Varied subjects. Designated studies in specialized genres, literature, culture, comparative studies, or inter-disciplinary studies. Prerequisite: GREK 201.

GREEK 489. Topics in Greek Language and Literature. (4 Credits)
Varied subjects. Designated studies in specialized genres, literature, culture, comparative studies, or inter-disciplinary studies. Prerequisite: GREK 201.

GREEK 494. Senior Capstone. (4 Credits)
Classical Language majors will take a capstone course in their senior year that connects ancient Classical languages with other areas of inquiry. The student will do focused research on the texts of the classical world, including but not limited to the Septuagint and the New Testament. Students will demonstrate how their chosen topic relates to Christian faith. Prerequisite: GREK 201

GREEK 495. Independent Reading. (1 to 4 Credits)
Department approval required. Prerequisite: GREK 201.
HEBREW (HEBR)

HEBR 101. Elementary Hebrew I. (4 Credits)
Basic grammar, syntax, and vocabulary with readings from the Old Testament and modern Hebrew authors.

HEBR 102. Elementary Hebrew II. (4 Credits)
Basic grammar, syntax, and vocabulary with readings from the Old Testament and modern Hebrew authors. Prerequisite: HEBR 101

HEBR 201. Intermediate Hebrew. (4 Credits)
Review of grammar and syntax with an introduction to the Masoretic text of the Old Testament, intensive reading from selected Old Testament texts and modern writers. Prerequisite: HEBR 102 (or equivalent)

General Education: COMP

HEBR 487. Topics in Hebrew Language and Literature. (2 Credits)
Varied subjects. Designated studies in specialized genres, literature, culture, comparative studies, or inter-disciplinary studies. Prerequisite: HEBR 201.

HEBR 489. Topics in Hebrew Language and Literature. (4 Credits)
Varied subjects. Designated studies in specialized genres, literature, culture, comparative studies, or inter-disciplinary studies. Prerequisite: HEBR 201.

HEBR 495. Independent Study. (1 to 4 Credits)
An independent study in Hebrew which may be either advanced grammar, reading of the literature, culture, comparative studies, or inter-disciplinary studies. Hebrew Old Testament, or an exegesis of a portion of the Hebrew text of the Old Testament. Department approval required. Prerequisite: HEBR 201.
HIGHER EDUCATION AND
STUDENT DEVELOPMENT-MA
(HESD)

HESD 512. Bible in Ministry. (2 Credits)
This course acquaints students with the formative nature and power of
Scripture. It explores the principles and practices of using Scripture in
ministry through reading, study, devotion, and meditation in personal,
small groups and teaching, and related ministries of the church.

HESD 514. Ministry in Culture. (4 Credits)
Explores foundational cultural issues from a Christian, socio-cultural
perspective. Provides opportunities for students to cultivate theory and
practice of ministry in the multicultural American society, as well as the
Church around the world.

HESD 534. Care and Counsel in Ministry. (4 Credits)
An introduction to the basic concepts and skills involved in care and
counsel within ministry contexts including an overview of the historic
ministry of soul care, biblical foundations for care in ministry, major
categories of human suffering, critical issues related to care in college
and university contexts (e.g. Title IX) and rudimentary person-to-person
helping skills. This course is designed to enable those in student
development to help students understand and deal with contemporary
issues e.g., divorce, grief, suicide, conflict, etc.

HESD 546. Facilitating Collegiate Learning. (2 Credits)
The college student experience must be built upon learning opportunities
throughout the entire systems (i.e., academic and social) and within all
facets of higher education. No department or entity is exempt from the
opportunities to impact student learning and development. This course
is designed to explore and equip students for these opportunities via
understanding the student learning paradigm and its application to higher
education practice.

HESD 548. Leadership & Legal Issues. (4 Credits)
This course will discuss the character, organizational, and legal
knowledge needed to lead effectively in higher education.

HESD 575. Conflict & Mediation. (4 Credits)
Conflict and Mediation is designed to provide for a foundational
understanding of the mediation process while simultaneously developing
critical dispute resolution skills, such as creative problem solving, internet
based negotiation, managing emotionally charged situations, reality
testing, active listening, effective questioning, and mediating multi-party
disputes. Students will also reflect on how these conflict mediation
methods align with a biblical vision of conflict as well as with various
student development roles.

HESD 595. Introduction to Higher Education. (4 Credits)
An introduction and overview of the administration and organization of
higher education and college student development with an emphasis on
the profession’s contexts and frameworks. Student culture will also be
discussed with an eye toward implications on the organization of human
resources with Student Development. Finally, the interpersonal dynamics
in the field will be discussed along with the skills and competencies that
will be needed.

HESD 641. Emerging Adult Development. (4 Credits)
Explores the theories and practices of ministry directed toward college
students and young adults. Emphasizes the developmental and cultural
dynamics of the young adult years and the practical implications of a
biblical philosophy of discipleship for identity development, character
education, worldview construction, and spiritual formation. The course is
relevant for anyone ministering to college students and/or young adults
in the local church or in a college/university context.

HESD 692. Creative Project. (2 Credits)
Prerequisite: Department approval of student’s Final Project proposal.

HESD 698. Applied Thesis. (2 Credits)
Prerequisite: Department approval of student’s thesis proposal.
HIST 102. Exploring the Global Past. (4 Credits)
History 102 seminars encourage students to examine cross cultural interactions through a focus on a particular historical question, period, or event. Students choose from a diverse range of courses such as Medieval Faith: Jews, Christian and Muslims in the Middle Ages; The French and Haitian Revolutions; Middle Ground: Africans, Europeans, and Natives in the Atlantic World; Exploring the Korean War, etc. History 102 seminars emphasize the development of historical thinking and Christian perspectives in the study of the past.
Tags: GP, HP

HIST 103. Exploring the American Past. (4 Credits)
An introduction to the discipline of history that equips students for lifelong learning by helping them to understand why Christians value study of the past and by giving them the tools to investigate it. The course provides an in-depth exploration of a critical period, concept, source, or event in U.S. History, analyzed within an explicitly comparative or cross-cultural framework. Students will engage in robust study of cultural and geographic diversity from historical and theological frameworks and will be encouraged to reflect on their own cultural and historical contexts as well. Students will learn to appreciate historical knowledge, engage in historical reasoning, develop historical consciousness, and practice historical reflection. In certain sections of HIST 103, a nominal course fee may be applied.
Tags: DUS, HP

HIST 105. World History. (4 Credits)
A survey of world history in Christian perspective from c. 1500 to the present. This course provides the chronological, geographical, and cultural breadth that serves as a contextualizing vehicle for the liberal arts. Attention given to moral issues of history.

HIST 111. World History, Ancient to Modern. (4 Credits)
Single semester survey of world history from the ancient period to the present. Examines the political, religious, and social developments that forged the modern world. Specifically addresses licensure requirements for secondary education. Required for History/Social Science majors. Recommended for elementary education majors.

HIST 115. World Civilization To 1600. (4 Credits)
A study of the ancient Middle Eastern, Mediterranean, and European roots of modern Western civilization through the Renaissance/Reformation era. Some attention given to contemporaneous developments in Asia. Emphasis is directed towards the identification of the intellectual foundations of the Western traditions in a comparative perspective.

HIST 131. Topics In World History. (2 Credits)
Through a biographical approach, investigates selected themes in world history in light of liberal arts and Christian thought and values. Not open to students who have completed HIST 105, 111, or 115.

HIST 201. Why History?. (4 Credits)
This course provides history majors with a robust study of historical thinking and its relationship to our different vocational callings as Christians. Students will examine a range of primary and secondary sources and develop analytical, research, and communication skills integral to the major and a Christian liberal arts education.
Tags: HP

HIST 211. Medieval Faith: Jews, Christian and Muslims in the Middle Ages. (4 Credits)
This course provides an in-depth exploration of the interaction between Christians and Muslims in the medieval period, with a focus on issues of interfaith dialogue, conflict, and coexistence.

HIST 251. American History to 1865. (4 Credits)
A general survey of the history of the United States from the colonial period through the American Civil War, with special emphasis on engagement of primary documents. Rejecting the view of history as an endless succession of discrete events, the course pays special attention to the predominant belief systems of Americans during two-and-a-half centuries, focusing in particular on the concepts of republicanism and democracy, as well as Americans' contested understandings of human nature, human rights, and human freedom.

HIST 252. American History from 1865. (4 Credits)
A general survey of the history of the United States from the Civil War to the present, with special emphasis on using primary documents. Students will debate the merits of the different interpretations for historical events, evaluate the ways historians construct their stories, and discuss the significance of those stories. Major course themes include the United States' engagement with other countries, labor activism and class relations, politics, race, gender and religion.

HIST 291. Introduction to Modern East Asia. (4 Credits)
This course introduces the history of Africa from the innovation of early human communities across continent (from the Great Pyramids in Northeast Africa to the Khoi-San foragers of South Africa's Western Cape) until the beginnings of European colonization in the mid-nineteenth century. We will emphasize the diverse social, economic and political strategies that Africans innovated and developed to engage in ever-widening contexts that often stretched beyond the continent.

HIST 292. Latin American History. (4 Credits)
This course privileges the voices of African writers, artists, historians, musicians, and other local witnesses who described how they have overcome the challenges of living in modern Africa from human trafficking across the Atlantic and Indian Oceans (and the Sahara) through colonial conquest, genocide, and civil war. In particular the course will explore the political and economic institutions established during and after colonialism, new religious and cultural movements (including African interpretations of Christianity and Islam), the legacy of racism, and the politics of gender on the continent.

HIST 295. Introduction to Historical Inquiry. (2 Credits)
Introduction to principles and techniques of historical scholarship. Attention given to historical thinking, literacy, research, and communication skills. Useful for non-majors. Required of majors and minors.
**HIST 305. Introduction to the History of Christianity. (2 Credits)**

A summary introduction to the history of Christianity designed to provide a rapid, but comprehensive overview to assist students who seek a basic understanding of the history of Christianity as background for other fields of study. Counts toward the history of Christianity requirement for the major. Not open to students who have completed BITH 577 in previous years.

**HIST 311. History of Philosophy: Ancient & Medieval. (4 Credits)**

Ancient and medieval philosophers often worked to cultivate a deep sense of gratitude for that which they had inherited and out of which they built, while also being creative thinkers in their own rights. This course looks at a few of the major thinkers and texts from the nearly 2000 year period stretching from the beginnings of Western philosophy in 585 BC to the opening years of the European Renaissance. It traces common problems and themes that receive ongoing attention throughout this period, such as: the problems of the one and the many, the nature of the cosmos, the existence of God, the relationship between faith and reason, the problem of universals, the nature of the soul, and others. Prerequisite: PI course or permission of instructor.

**HIST 312. History of Philosophy: Modern & Contemporary. (4 Credits)**

This course, like PHIL 311, is dedicated to an overview of Western philosophy. In this semester, we look at modern and contemporary philosophy, beginning with the Renaissance rejection of scholasticism, moving through 17th and 18th century rationalists and empiricist, the Kantian synthesis, 19th century responses to Kant, and several major 20th century schools, including phenomenology, logical positivism, analytic philosophy, and pragmatism. Prerequisite: PI course or permission of instructor.

**HIST 324. High School History/Social Science Methods. (2 Credits)**

An introduction to methods of teaching high school history/social science students, including units on classroom management, lesson planning, assessment, individual differences, learning resources, educational technology, and teaching strategies appropriate to history/social science classrooms. Prerequisites: EDUC 135, 136, 136L, 225, 225L and admission to the Wheaton Teacher Education Program (WheTEP).

**HIST 325. Middle Grade History/Social Science Methods. (2 Credits)**


**HIST 331. African History. (4 Credits)**

Cultures and National Identity in African History. Focuses on the development of select African societies from their early institutional and cultural traditions to the present with emphasis on the themes of the impact of Islam, European colonial influences, national independence movements, and contemporary African society.

**HIST 335. The Construction of Modern Japan, 1800-1960. (4 Credits)**

The 1868 Meiji Restoration occupies a central place in Japanese history with many marking it as the turning point for the rise of modern Japan. Citing shifts such as one from a feudal system with shoguns and samurai to an imperial Japan, scholars narrate Meiji Japan as being filled with radical breaks from the past. The questions arise, what were some of these significant changes that seemed to be breaks from the past and that constituted the "modern" in Japan? To what degree was the Restoration a break from the Tokugawa period and to what degree was it a continuation of economic and social trends of late-Tokugawa Japan? Did the changes and continuities embodied in Meiji Japan play into the development of Japan's imperial era and road to World War II? This course explores these questions through a study of Japan from 1800 to 1960.

**Tags:** GP

**HIST 336. Modern Korea. (4 Credits)**

This course will examine the historical development of modern Korea, and thus explore the major historical events, themes, and issues in the Korean peninsula from the late-19th century to their ramifications in contemporary times. In doing so, the course will pay attention to local dynamics that shaped Korea's modernity, nationalism, colonization, division, industrialization, democratization, and shifting positions in East Asia and the world. Using both primary and secondary sources, the course will attempt to take a more comprehensive view of this story that includes approaching the development of modern Korea politically, economically, socially, as well as culturally. The course will also focus on issues of historiography in Korean history. HIST 291 is recommended but not required.

**Tags:** GP

**HIST 341. Ancient History: The Rise and Fall of Empires. (4 Credits)**

Examines the political, economic, social, and cultural development of the Near East and Mediterranean from the first civilizations in the third millennium B.C. to the collapse of the Roman Empire in the fifth century A.D. The course covers the First Age of Empires in the Ancient Near East as well as the Greek and Roman worlds.

**HIST 342. Statecraft and International Relations in the Ancient Near East. (4 Credits)**

See ARCH 365.

**Tags:** HP, SI

**HIST 345. Medieval Europe to 1300. (4 Credits)**

Analyzes the political, social, economic, and religious foundations of Europe from the Early to the High Middle Ages. Topics include: the collapse of the Roman Empire, Barbarian invasions, rise of Islam, Byzantine Empire, kingship and authority, and the development of Christianity.

**HIST 346. Renaissance Europe (1300-1600). (4 Credits)**

Examines the political, social, and religious developments that created modern Europe. Topics include the emergence of international power politics, the rise of humanism, Renaissance art, and cross-cultural encounters between Europeans and peoples of Africa, Asia, and the Americas.

**HIST 347. Men, Women, and Society in Early Modern Europe. (4 Credits)**

Examines the cultural, political, social, and religious developments that shaped men's and women's lives from 1300 to 1650. Topics include: family life, courtship and marriage, the emergence of the Renaissance state and its intervention in family life, and the impact of religious change on men and women. Particular attention is given to how this period shaped modern theological and cultural assumptions about men, women, and family structure.
HIST 348. Revolutionary Europe (1789-1870). (4 Credits)
Focuses on enlightened absolutism, the revolutions of 1789 and 1848, the social consequences of industrialization, and mid-nineteenth century foreign relations. Emphasis on France and Germany.

HIST 349. Origins of Contemporary Europe (1870-1950). (4 Credits)
Analysis of socioeconomic, political, and cultural foundations of twentieth-century Europe, and the causes and impact of both world wars.

HIST 353. American Cities & Suburbs. (4 Credits)
This course explores the history of American cities and suburbs, paying attention to questions like: What is the story of racial, religious, ethnic and class dynamics in cities and suburbs? What is the story of unity, disunity, exclusion and inclusion? What has "community" looked like over time in suburban and urban history? How has "community" changed?
Tags: DUS

HIST 355. History of Women in the U.S.. (4 Credits)
Analysis of the social, cultural, and political aspects of women's history from the colonial period to the present, with particular emphasis on the nineteenth and twentieth centuries and on women's religious experiences and contributions.

HIST 356. The American Revolution. (4 Credits)
An exploration of the founding of the United States as a nation that analyzes the causes, course, and consequences of the revolt against British colonial rule between 1763 and 1788. The course asks how both elite and common Americans participated in the Revolution, what the Revolution meant to them, and how the Revolution affected their lives. It accords particular attention to the role of Christians in the conflict, and concludes by contemplating the legacy of the Revolution to the contemporary United States.

HIST 357. The American Civil War. (4 Credits)
This course explores the causes, course, and consequences of the American Civil War, a bloody "ordeal by fire" in which Americans fought Americans to determine the nature of the Union, the definition of democracy, and the meaning of freedom. Course readings and assignments focus on the experiences and values of common Americans - Northern and Southern, male and female, free and enslaved - with particular emphasis on the war's larger meaning to posterity.

HIST 361. The Global Cold War. (4 Credits)
An analysis of the dramatic political and social changes emerging in the Cold War period which have shaped the whole world since 1945. The focus is on such issues as the rise of the nuclear age, postwar human rights, the arms race and détente, space race, Middle East crises, technological impacts, decolonization and the emergence of the developing world, and the fall of European communism. Also included is the role of prominent Christians and the Church during the post-World War II era. Satisfies the world history requirement for the history major.

HIST 362. Topics in Traditional Asian History. (2 or 4 Credits)
Course material centers on the cultural development of traditional society in the locations visited each year during the May-in-Asia program. Course will vary each year based on sites visited. Su

HIST 363. Topics in Continuity and Change in Modern Asia. (2 or 4 Credits)
An analysis of continuity and change in Asian society in the nineteenth and twentieth centuries specifically related to the locations visited each year during the May-in-Asia program. Course will vary each year based on sites visited. Su

HIST 364. East Africa and the Indian Ocean Region. (4 Credits)
This course analyzes the development and interaction of the many cultures which compose the Indian Ocean region. The fascinating site for our study is the multi-cultural East African island of Zanzibar which has been instrumental over many centuries in the history of the region and where there is a combination of African, Arab, Persian, Indian, Chinese, and European cultures. This course will study such themes as the origins of Swahili civilization, the Indian Ocean trading system, impact of Arab and Islamic civilization, European colonialism, the slave and ivory trade, African independence movements, Christian influences, and political and economic conditions in contemporary Africa by a mixture of course lectures, outside lectures, cultural and historical tours as well as readings from both primary and secondary sources. Offered summers.

HIST 365. Modern Middle East. (4 Credits)
An introduction to the history of the Modern Middle East with emphasis on the region during the nineteenth and twentieth centuries. This course provides a survey of the cultural and political development of the Middle East with special attention to the fate of the Ottoman Empire and the resulting imperial European presence and twentieth-century Middle Eastern struggle for independence and a transition to authentic modernity.

HIST 371. The Enlightenment. (4 Credits)
Explores the European Enlightenment as an intellectual, cultural, and artistic movement. The course analyzes the social, political, economic and religious contexts of the Enlightenment and charts the development of new ideas and approaches to knowledge during the seventeenth and eighteenth centuries. Through a close reading of key Enlightenment texts, the course considers not only the complexities of Europe's first self-consciously modern age, but also the broader question of what it means to be "modern."
Tags: PI

HIST 374. Nazi Germany. (4 Credits)
Analyzes the origins and nature of the Nazi ideology and party, as well as the cultural, social and political patterns of the Third Reich of the 1930s. Particular emphasis is given to the Nazi murders during World War II, interpretive issues, and the visual culture of the whole Nazi era.

HIST 377. British History to 1688. (4 Credits)
Analyzes the history of England from the Anglo-Saxon Settlement to the Glorious Revolution. Topics include the development of a unified monarchy, the Norman Conquest, the emergence of representative government, the Reformation, and the English Civil War. Alternate years.

HIST 378. History of Britain Since 1832. (4 Credits)
An analysis of the rise of industrial, urban class society, an examination of higher and popular culture, emphasis on the Victorian era and the early twentieth century. Alternate years.

HIST 382. U.S. Foreign Policy. (4 Credits)
An analysis of the processes and institutions involved in making U.S. foreign policy. Emphasis given to understanding the development of contemporary issues.

HIST 391. Topics in History. (2 or 4 Credits)
Selected areas of historical study as announced.

HIST 451. Topics in American History. (2 or 4 Credits)
Advanced courses in the history of the United States as announced, including ethnic, intellectual, and constitutional history.

HIST 455. American Urban History. (4 Credits)
Examines how urbanization has shaped and directed much of America’s social, cultural, political, and economic development from colonial times to the present. Lecture, discussion, readings from primary sources.
HIST 461. Origins and Consequences of the Pacific War. (4 Credits)
Investigates the origins of the Pacific War using both translated primary
documents and secondary scholarly literature. Special attention is paid
to the changing international environment and especially the role of the
United States, alongside Japanese domestic social, economic, political,
military, and intellectual developments. Recommended to upper-level
students interested in understanding Japan, twentieth-century East Asian
relations, international relations, war, ideology and conflict. Satisfies the
world history requirement for the major.

HIST 463. Enlightenment Modernity and Its Discontents. (4 Credits)
Reviews the social, political, economic, and intellectual aspects of
the European Enlightenment, explores the process of diffusion of
these influences, and then considers the various responses to this
phenomena beginning in Europe but extending to various parts of the
world. Responses covered may include Muslim, Jewish, Christian,
conservative, Marxist, Confucian, postcolonial, and postmodern.

HIST 483. History of Christianity in North America. (4 Credits)
An overview of events, ideas, people, and groups that have helped to
shape Christianity in North America from the colonial era to the present
(with primary emphasis on Christianity in the U.S.). Meets the history of
Christianity requirement for the major.

HIST 489. Colloquium in the History of American Christianity. (2 or 4
Credits)
Special courses in specific aspects or themes of the history of the church
in North America. Taught in conjunction with visiting scholars sponsored
by the Institute for the Study of American Evangelicals.

HIST 491. Research Seminar. (2 to 4 Credits)
Advanced research in history on varied topics. The course may be taken
for credit a second time with a different instructor or topic. Especially
designed for students considering graduate school.

HIST 494. Christianity/Historical Study. (4 Credits)
A capstone experience for History majors that debates the implications
of Christianity for the meaning and practice of history, and explores
the value of faith-informed historical practice to life-long Christian
faithfulness. Prerequisites: History major and senior standing or
departmental approval.

HIST 495. Independent Study. (1 to 4 Credits)
Individualized program of reading, research, writing, and oral examination,
which allows for extensive study in a specific area of interest. Not to
be used as a substitute for courses or seminars already covered in the
curriculum. Prerequisites: junior or senior standing and approval of
department faculty and chair. Intended for majors only. See the online
Handbook at the department web page for further information.

HIST 496. Internship. (4 Credits)
Prerequisites: junior or senior standing, minimum of 16 credits in History
major completed, and approval of department chair. Graded pass/fail. See
the online Handbook at the department web page for further information.

HIST 498. Honors Tutorial. (4 Credits)
Reading and research in selected areas. Prerequisites: Admission to
Department Honors program, senior standing. See the online Handbook
at the department web page for further information.

HIST 499. Honors Thesis. (4 Credits)
Preparation of senior honors thesis. Not applicable to major
requirements.
HUMAN NEEDS & GLOBAL RESOURCES (HNGR)

HNGR 114. Poverty, Justice and Transformation. (4 Credits)
An introduction to the social, political, economic, biophysical, environmental and spiritual dimensions and causes of poverty, inequality and injustice. Examines the experience of people confronting poverty in Majority World contexts and considers the factors that connect human communities and ecological systems worldwide, such as globalization, migration, climate change, global health and disease, religious and social movements, and urbanization. Emphasis is given to understanding the theories, methods and effectiveness of diverse approaches to international development and holistic transformation.

Tags: GR SI

HNGR 381. Topics in Development. (2 or 4 Credits)
Selected topics from the following: technology and the environment, appropriate technology, and community development. Seminar format with guest lecturers and student presentations. Prerequisites depend on topic.

HNGR 385. Field Research Methods and Intercultural Orientation. (4 Credits)
A practical preparation of HNGR Program interns for participatory research and cross-cultural living and service. Emphasis in research is on design and implementation of qualitative and quantitative research methods in actual field settings, including roles, rapport, ethics, cultural adaptations, field notes, and write-up. Emphasis in orientation is on cross-cultural adjustment, including approaches, responses, psychological adaptation, relationship-building, communication, health, and Christian witness. Open to outgoing HNGR interns only. Course fee.

HNGR 432. Violence and Peace in Latin America. (4 Credits)
This course draws on anthropological and social scientific research to examine how diverse organizational and social actors work to confront violence and strengthen peace in Latin America. Students will learn about the history of state, political and criminal violence in the late 20th and early 21st centuries, and students will be introduced to the efforts of international justice and human rights activists and civil society and religious organizations to build more just, peaceful, and inclusive societies in Latin America.

HNGR 481. Introduction to Global Christian Perspective. (0 Credits)
Supervised directed reading and reflection, done as part of the HNGR field internship that addresses selected themes in global Christian thought and practice, including poverty and powerlessness, justice and reconciliation, community and community development, and brokenness and healing. This is the summer session of HNGR 484 (Global Christian Perspective), which is taken during the Fall semester. Open to HNGR interns only. Graded pass/fail.

HNGR 484. Global Christian Perspective. (4 Credits)
Supervised directed reading and reflection, done as part of the HNGR field internship that addresses selected themes in global Christian thought and practice, including poverty and powerlessness, justice and reconciliation, community and community development, and brokenness and healing. Open to HNGR interns only.

HNGR 491. Introduction to Internship in Development. (0 Credits)
Supervised field experience through a six-month internship in the Majority World, generally with a Christian organization involved in holistic development. The program of study is designed to meet the particular interests and needs of the student, host organization, and community in which the internship is conducted. This is the summer session of HNGR 496 (Internship in Development). Open to HNGR interns only. Graded pass/fail.

HNGR 494. HNGR Capstone Integration Seminar. (2 Credits)
Evaluation and integration of the student's field experience in the Majority World, applying theories of socioeconomic change, intercultural communication, and Christian worldview, and an analysis of alternative models of holistic development. Open to returned HNGR interns only. Course fee.

HNGR 495. Independent Study. (2 to 4 Credits)
Directed reading and research or internship projects.

HNGR 496. Internship in Development. (4 to 8 Credits)
Supervised field experience through a six-month internship in the Majority World, generally with a Christian organization involved in holistic development. The program of study is designed to meet the particular interests and needs of the student, host organization, and community in which the internship is conducted.
HUMANITARIAN DISASTER INSTITUTE-MA (HDI)

HDI 514. Foundations of Disaster & Humanitarian Assistance. (4 Credits)
An introduction to evidence-based and informed psychosocial care skills, programs, and interventions in context to disasters, crisis, and other trauma-inducing events.

HDI 524. Preparedness Planning, Mitigation, & Continuity Management. (4 Credits)
The course focuses on understanding evidence-based leadership best practices, procedures, and policies for disaster operations that strengthens disaster resilience in affected communities.

HDI 534. NGO Leadership. (2 Credits)
This course seeks to develop effective humanitarian and disaster non-profit leaders. This course will review the history, theoretical underpinnings, and practice of social entrepreneurship and program and project planning in non-profit and official development organizations. It also covers the corresponding grant-writing, fundraising, business planning and marketing methods, and tools, strategies and techniques used in these activities. Heavy emphasis is placed on a hands-on learning approach, while stressing the importance of understanding and critiquing the conceptual frameworks on which these practices rely from a Biblical perspective.

HDI 544. Organizing Emergency Humanitarian Assistance. (2 Credits)
Leadership principles for effective emergency management and humanitarian response will be taught for responding to a wide range of potential humanitarian crises, with an emphasis on evidence-based practices.

HDI 614. Transformational Development. (4 Credits)
This course prepares leaders to actively engage government and public leaders through policy interventions and advocacy to advance the global struggle for human rights. Students are prepared to advocate for biblical justice by developing the skills necessary to assess and intervene in the policy process as well as to develop and implement advocacy campaigns.

HDI 624. Refugee and Forced Migration Issues. (2 Credits)
An introduction to various historical and contemporary cases of forced displacement, integrating diverse disciplinary approaches, including legal, political and moral analysis.

HDI 634. Field Work or Special Project. (4 Credits)
Students will participate in an approved supervised field practicum placement with a humanitarian or disaster-related organization; students with advance standing gained from significant prior field experience may opt to complete an applied professional or research project.

HDI 644. Global Public Health. (2 Credits)
An introduction to public health in context to contemporary definition, determinants, development and direction as a field into a broad global context.

HDI 654. Disaster, Crisis, & Trauma Intervention. (4 Credits)
An introduction to evidence-based and informed psychosocial care skills, programs, and interventions in context to disasters, crisis, and other trauma-inducing events.

HDI 692. Comprehensive Exam. (0 Credits)
Prerequisite: submission of Candidacy form. Fee $75. Graded pass/fail.

HDI 694. Field Operations. (4 Credits)
An intensive residence course that will involve a multi-day domestic and international field-simulations and practice in leadership and evaluation duties that will be supplemented with classroom learning experiences.

HDI 695. Independent Study. (1 to 4 Credits)
Department approval required.
INTCULTURAL STUDIES-MA (INTR)

INTR 503. Academic Composition and Communication. (0 Credits)
Group and individual instruction in expository writing and oral
communication skills for students from non-English backgrounds.
Students receive intensive preparation in English for academic purposes
such as research papers and class presentations. Graded pass/fail.

INTR 512. Theories and Principles of Counseling. (3 Credits)
Designed for marriage and family therapy students, this course provides
an examination of several of the major theories of counseling with an
emphasis on techniques and principles common to each theory. This
course does not count towards the M.A. in Clinical Psychology.

INTR 514. Spiritual and Professional Formation. (4 Credits)
Introduction to personal and corporate formation through various
dimensions such as the intellectual, physical, spiritual, social, and
emotional with an emphasis on the integration of biblical perspectives.
Transformational practice is encouraged through literature survey and
contemporary case studies.

INTR 516. Issues and Trends in Missions. (2 or 4 Credits)
Current missiological issues and trends, including church-mission
relationships, changes in mission strategies and structures, challenges to
the church, and their significance to the worldwide mission of the church.
Opportunity for individual student research in a particular area of interest is provided.

INTR 521. Historical Foundations. (2 Credits)
Explores key persons and movements in the expansion of the Christian
church from early monasticism and the Celtic Church to Moravianism and
Methodism. The missiological reinterpretation of church history focuses on
the dynamics of the expansion and the implications for contemporary strategies of mission. Attention is given to the means of Holy Spirit renewal, structure of mission, the role of leadership, and the relationship among the three.

INTR 526. Global Cities: Cities and the World. (4 Credits)
See IR 362.

INTR 531. Theological Foundations. (2 Credits)
Using the principles of biblical exegesis and hermeneutics, the course
explores God’s mission from the Philistines of Abraham’s and David’s
time, to the marginalized in New Testament society. Through this
process, an appreciation is developed for theological reflection in
Christian community that will impact the student’s missionary vocation.

INTR 532. Contextualization in Global Settings. (4 Credits)
Analysis of the encounter of the gospel with culture within the framework of the behavioral sciences. Organized around six dimensions of religious experience and contextualization within those dimensions, with special focus on the theological dimension.

INTR 534. Mission in Acts. (4 Credits)
The course models a historical critical interpretation of Acts. Through
an analysis of the discourse structure of Luke/Acts, the course seeks to
deepen an understanding of the person and work of the Spirit of Jesus
who empowers God’s mission as it takes place through the apostles and
the early church.

INTR 535. Holy Spirit and Mission. (2 or 4 Credits)
The course explores the dynamics of the work of the Holy Spirit and
mission in relation to the following dimensions: personal, biblical,
historical, cultural, contextual, and functional. Students are encouraged
to explore their mission philosophy regarding the role of the Spirit of God
for their mission context.

INTR 546. Evangelism and Church Planting. (2 or 4 Credits)
Strategies for evangelism and church development are examined and
applied through case studies, field trips, contacts with resource persons,
and student-led projects.

INTR 548. Discipleship. (2 Credits)
This course examines the biblical and historical models and principles
for the life-long process of making disciples in a changing culture. Built
on the foundation of spiritual formation and mentoring, students will
be challenged to grow as disciples so that they might also equip and
encourage others to grow in following Jesus.

INTR 551. Counseling Challenges in Ministry. (2 Credits)
A psychoeducative approach is used to enable Christian leaders to help
individuals and families understand and deal with contemporary issues
—e.g., step-families, single parenting, divorce, abortion. Other topics
covered include: coping with depression, strong emotions, i.e., anger and
anxiety, conflict. This course does not count toward the M.A. in Clinical Psychology.

INTR 552. Cross-Cultural Perspectives on Gender and Leadership. (2
Credits)
An exploration of the role of women in missions, including their impact
on mission strategies, their unique contributions, and a discussion of
theoretical issues they have faced since the time of the modern missionary
movement.

INTR 556. Religious Life in Global Settings. (4 Credits)
Foundational principles of intercultural communication from the fields
of social psychology, cultural anthropology, and communication theory
integrated with selected areas of personal encounter in cross-cultural
settings.

INTR 557. Spiritual Conflict. (2 or 4 Credits)
An examination of the principles and dynamics of spiritual conflict. Issues
include theoretical considerations in the areas of theological reflection and cultural analysis, pragmatic considerations such as
spiritual discipline and counseling approaches, and the missiological implications for missionary strategies.
INTR 572. Cross-Cultural Research. (2 or 4 Credits)
The rationale and methodology of qualitative research in cross-cultural contexts. Special focus on the application of qualitative methods to a specific context through research projects.

INTR 573. Qualitative Research for Second Language Educators. (2 Credits)
A survey of qualitative research techniques for use in cross-cultural contexts, with a special focus on second language education.

INTR 581. Spanish American Culture and Civilization. (4 Credits)
See SPAN 335.

INTR 587. East Asian History. (4 Credits)
See HIST 334.

INTR 588. Asian Culture & Communication. (2 Credits)
An introduction to Asian history and culture with particular emphasis on the themes/issues of the 20th century. Includes an introduction to a relevant Asian language and language-learning strategies. Principles for effective cross-cultural communication and adjustment are also considered. Taught in Asia.

INTR 591. Public Health and Nutrition in Developing Areas. (2 Credits)
An interdisciplinary approach to the problems of health and nutrition, with emphasis on Third World countries. Undergraduate restrictions: not open to freshmen, may not be applied toward the Biology major. Undergraduate prerequisite: CATC SP course.

INTR 601. Intro to TEFL Methodology. (2 Credits)
An introduction to the key concepts and skills involved in teaching English as a foreign language (EFL) in Asian classrooms. The course provides a model-based introduction to methods for teaching English as a foreign language with a specific focus on oral communication. Taught in Asia.

INTR 606. Descriptive English Grammar: Foundations. (2 Credits)
A survey of the foundational systems of English grammar, including practical issues and procedures involved in teaching grammar to ESL/EFL learners.

INTR 607. Descriptive English Grammar: Syntax and Discourse. (2 Credits)
A survey of specialized features of English grammar, including areas of difficulty for English language learners and complex multi-clause structures.

INTR 608. Second Language Acquisition. (4 Credits)
Principles and skills for the successful learning of foreign languages, including practical instruction in phonetics and language-learning strategies.

INTR 609. Linguistic Science. (2 Credits)
See LING 321.

INTR 611. Theoretical Foundations of TESOL Methodology. (4 Credits)
Survey of theory and research relevant to the teaching and learning of English as a second/foreign language. Emphasis on practical applications from linguistics, psycholinguistics, and sociolinguistics.

INTR 612. Descriptive English Grammar for TESOL. (4 Credits)
A survey of English grammar and discourse analysis, including practical issues and procedures involved in teaching grammar and discourse to ESL/EFL learners.

INTR 613. TESOL Classroom Dynamics Practicum. (2 Credits)
A survey of current research and methodology related to classroom instruction. Includes an analysis of the student’s teaching skills in a supervised field placement. Appropriate for both inexperienced and experienced teachers, as well as TESOL administrators.

INTR 614. Curriculum and Materials Development for English Language Learning. (2 Credits)
See LING 329.

INTR 615. Teaching Reading and Composition to ESL/EFL Learners. (2 Credits)
Theoretical and practical issues involved in teaching reading and composition, including procedures for planning and implementing classroom instruction.

INTR 616. English Phonology for ESL/EFL Teachers. (2 Credits)
The sound system of English, including procedures for planning and implementing pronunciation instruction for ESL/EFL learners.

INTR 617. Principles of ESL/EFL Assessment. (2 Credits)
See LING 325.

INTR 618. English Language Methods for Content Area Teachers. (2 Credits)
See LING 326.

INTR 619. Teaching Speaking and Listening to ESL/EFL Learners. (2 Credits)
Specialized training in ESL teaching methods related to oral communication. Includes techniques for the analysis of oral discourse and current methodology related to language-learning strategies and the use of media.

INTR 621. Transformational Development. (4 Credits)
The purpose of the course is to explore the biblical, theological, and theoretical foundations for transformational community development and the Christian’s involvement in development on the personal and systemic levels. Foundational thinking for practice is developed through a survey of the literature and engagement with current issues and case studies.

INTR 622. Cross-cultural Human Development. (2 Credits)
The course will explore Western assumptions about human development and how people grow and change in similar and different ways across cultural contexts and across the lifespan. Topics may include: culture and socialization, physical development, language and cognition, concepts of self and personality, gender, social behavior, family, and health.

INTR 623. Families in International Settings. (2 Credits)
The course will explore cultural assumptions about human socialization and family contexts across the globe. Non-Western, Western, indigenous, immigrant, third-culture, and global nomad contexts are examined using interdisciplinary theories and frameworks. Opportunity for individual student research on a topic of interest is provided.

INTR 624. Mission to Children and Youth at Risk. (2 Credits)
This course will explore theological, biblical and theoretical principles and frameworks for understanding, analyzing, and responding to difficult situations for children, particularly those in developing nations. The student will apply contextual factors impacting human development (e.g., family, peers, community, educational opportunity, church/religion, cultural belief systems) to understand children’s risk and resilience as related to social issues (e.g., poverty, abuse, child labor, human rights, HIV/AIDS, prostitution/sex trafficking, refugees, the girl-child, etc.). Public policies, the Convention on the Rights of the Child, and current interventions of Christian NGOs and other child-focused organizations will be explored.
INTR 631. Principles of TESOL Teacher Mentoring. (2 Credits)
This course promotes a deeper understanding of how to engage teachers in conversations and activities that encourage professional growth. Teacher mentors will learn how to observe and give feedback to novice teachers and how to make use of a variety of professional development strategies. Taught in Asia.

INTR 632. Seminar in TESOL Teacher Mentoring. (2 Credits)
This course helps teacher mentors identify and solve problems within their teaching context. Mentors will develop an understanding of the broad context of education and language education in the country and region where they work and will apply this knowledge as they guide teachers. The mentors will also become skilled at helping teachers conduct research as a means of understanding and solving problems in their classrooms. Taught in Asia.

INTR 633. Practicum in Teacher Mentoring. (2 Credits)
Practical experience in teacher mentoring, including observing and giving feedback to teachers, advising them in lesson planning and classroom dynamics, and counseling them about their future teaching situation. Taught in Asia.

INTR 634. Adult ESL Literacy. (2 Credits)
Problems and issues in adult literacy, with a specific focus on methodology for teaching immigrants, refugees, and other English language learners, both in the US and abroad.

INTR 635. Principles of Materials Development for TESOL. (2 Credits)
Students will gain an understanding of the fundamental terminology, concepts and processes involved in the development of textbooks and other published materials, including web-based and audiovisual materials for English language teaching.

INTR 636. Practicum in Materials Development. (2 Credits)
Students will develop materials for an existing project through a step-by-step process which is modeled during a series of class sessions. This will lead to a more extensive individual materials development project for an organization or publisher, under the guidance of the professor or a mentor.

INTR 637. Problems and Issues in TESOL Materials Development. (2 Credits)
Students will present materials they have developed for a publisher or organization and will critique the materials developed by others. Discussion of current problems and issues in materials development, both theoretical and practical, will be stimulated by these presentations and the course readings.

INTR 642. Bilingual Methods & Materials. (2 Credits)
See LING 323.

INTR 643. English Language Learning Methods for Specialists. (2 Credits)
See LING 328.

INTR 692. Comprehensive Examination. (0 Credits)
Prerequisite: submission of Candidacy form. Fee $75. Graded pass/fail.

INTR 693. Intercultural Studies Capstone. (4 Credits)
In-depth exploration of current issues in intercultural studies. Seminar integrates core content from the INTR program into student’s area of interest culminating in an integrative comprehensive paper. Prerequisite: completion of INTR 514, 521, 531, 532, 561 and 621.

INTR 694. Seminar In Missions. (2 or 4 Credits)
In-depth study of selected topics growing out of special concerns of professors and students.

INTR 695. Independent Study. (1 to 4 Credits)
INTR 696. Internship. (2 or 4 Credits)
Graded pass/fail.

INTR 698. Thesis/Applied Thesis. (4 Credits)
INTR 699. Applied Thesis/Thesis Continuation. (0 Credits)
INTERDISCIPLINARY STUDIES (IDS)

IDS 291. Introduction to Interdisciplinary Studies. (2 Credits)
An orientation to the increasingly important work of interdisciplinary
thinking, this course is designed to encourage students to become
holistic explorers of knowledge and to see the interdependent aspects of
all academic disciplines and courses within a liberal arts college.

IDS 494. Senior Seminar. (4 Credits)
This capstone course provides the Interdisciplinary Studies major
the opportunity for integration by means of interaction with other IDS
majors. The seminar requires full participation of students through
daily reading, writing, speaking, and listening-conducted according to
a central theme and common texts, drawing upon the students’ varied
academic experiences. An integrative research project is mandatory-one
that is qualitative, quantitative, or creative, depending upon the major’s
program of study. Required of all IDS majors, and only offered in the
spring semester, it should be taken just prior to graduation.

IDS 495. Independent Study. (2 Credits)
A regimen of reading scholarly articles and writing abstract reviews
is typical; however, this course also provides the IDS major with the
opportunity for research to meet the individual’s needs and interests, as
approved by the Interdisciplinary Studies director. IDS majors are strongly
encouraged to take the IDS independent study prior to the IDS Senior
Seminar, providing solid preparation for the final IDS project.

IDS 496. Internship. (2 to 8 Credits)
Graded pass/fail. Prerequisite: junior or senior standing within the
Interdisciplinary Studies major.
INTERNATIONAL RELATIONS (IR)

IR 155. Comparative Politics. (4 Credits)
An introduction to the comparative analysis of the political systems of countries around the world. The course will examine the role of political institutions, political participation, and economics in shaping societies.
Tags: GP SI

IR 175. International Politics. (4 Credits)
An introduction to the politics among states. Themes emphasized include: international security, diplomacy, conflict resolution and war, human rights, international law and organization, and global political economy.
Tags: SI

IR 301. Topics in International Politics. (2 Credits)
Selected topics, designed to give added breadth and depth to the understanding of international politics.

IR 302. Topics in International Politics. (4 Credits)
Selected topics, designed to give added breadth and depth to the understanding of international politics.

IR 312. Islam & Politics. (4 Credits)
This seminar course focuses on central Islamic concepts relating to politics and the role of Islam in political movements and individual political action.

IR 315. Politics of Global Development. (4 Credits)
This course examines the nature and processes of economic development and political change in less developed countries. Emphasis is given to comparing the political economy of good governance.

IR 318. Environmental Politics. (4 Credits)
Contemporary environmental challenges suggest fundamental problems of nature-society relations through socio-physical phenomena such as acid rain, urban air pollution, deforestation, rabid desertification, high rates of extinction, and the prospect of global warming, as well as mounting inequality in threats to human wellbeing generated by these issues. This course engages various perspectives on the politics of these issues, equipping students to 1) understand the ways in which scholars and activists think about environmental challenges, 2) critically engage such perspectives, and 3) apply such perspectives to the changing landscape of environmental issues.

IR 325. Justice Among the Nations. (4 Credits)
This course explores the moral questions occasioned by relationships among and between nations: what are the justifications for (and limits of) national sovereignty? Are there better (morally and practically) alternatives? Should the material wealth of the modern global economy be produced and distributed differently than it is now? When and how may states (or other sorts of political authorities) use military force? How can nations reconcile and act justly after mass atrocities?

IR 327. Ethics & Foreign Policy. (2 Credits)
An examination of the role of moral values in foreign policy, with special emphasis on war, human rights, and foreign intervention. Prerequisite: IR 175.

IR 328. International Law. (2 Credits)
Analyzes the nature and role of law in the international community through leading case studies.

IR 329. Forgiveness & Reconciliation. (2 Credits)
This class explores the potential role of forgiveness in confronting and overcoming systemic regime crimes. The course emphasizes theory and case studies and focuses on processes that foster political reconciliation.

IR 347. East Asian Politics. (4 Credits)
Why do democratic and authoritarian countries coexist as neighbors in one of the world's densest trade networks? What explains the great inequalities both within and between East Asian countries? We will explore these questions in this course. We will examine the historical development of East Asian states and their contemporary domestic and international politics. In this course, we will investigate the three sub-regions of East Asia: Northeast Asia, China, and Southeast Asia. Finally, contemporary problems of international relations will be discussed ranging from nuclear weapons to island disputes to power transitions away from American hegemony.
Tags: HP

IR 348. Middle East Politics. (4 Credits)
In this course, students will learn about and analyze the political cultures and political conflicts of the Middle East.
Tags: GP HP

IR 356. European Politics. (4 Credits)
A comparative assessment of the politics and government of selected European nations.

IR 359. Forgiveness and Political Reconciliation. (4 Credits)
This class explores the potential role of forgiveness in confronting and overcoming violence and conflict at the societal level, with particular attention paid to processes and institutions that can foster political reconciliation, seek justice, and promote positive peace. The course emphasizes theories and theological considerations about what it means to forgive, as well as case studies of peacebuilding and transitional justice.

IR 361. Post-communist Politics. (4 Credits)
A comparison of the post-communist political development of a select number of Central and East European states. Examination is given to both the common "Leninist legacies" of communism and the great diversity of political practice now found across the region. Special emphasis is given to political institutions, European Union integration, and select contemporary political issues.

IR 362. Urban Politics in a Global Age. (4 Credits)
This course examines the effects of globalization on major urban centers in the world system, comparing and contrasting cities in North American, Europe, Africa, and Asia. Students will study the economic, political, and social impact, as well as responses of government and civil society.

IR 375. Globalization. (4 Credits)
What are the causes and consequences of globalization? Why do citizens divide on their support and opposition to globalization? How is globalization affect and affected by national politics, history, and cultures? This course will examine the causes of globalization and its effects upon states and citizens. Specifically, we will discuss international trade, migration, growth, development and politics. Taught in conjunction with the Iron Sharpens Iron summer travel program.
Tags: GP SI

IR 378. U.S. Foreign Policy. (4 Credits)
An analysis of the processes and institutions involved in making U.S. foreign policy. Emphasis given to understanding the development of contemporary issues.
IR 379. International Political Economy. (4 Credits)
An analysis of the interaction of economics and politics at the
international level. Topics covered will include the origins and nature of
the World Bank, IMF and WTO, regionalization, trade policy, and the world
monetary system.

IR 494. Senior Seminar. (2 Credits)
An analysis of the interrelationship of politics and the Christian faith,
focusing on vocational, conceptual, legal, and international public policy
issues. Senior majors only.

IR 495. Independent Study. (2 to 4 Credits)
A guided individual reading and research problem. Junior and senior
majors, or discretion of professor.

IR 496. Internship. (4 Credits)
A series of programs designed for practical experience in professions
frequently chosen by International Relations majors, such as law,
government, and public service. Prerequisite: International Relations
major with junior or senior standing and a minimum of 16 credits in the
department.

IR 499. Honors Thesis. (4 Credits)
An independent research project requiring original research, developed in
a scholarly paper and culminating in an oral examination. By application
only. The honors thesis may not be counted toward the total hours to
complete the major.
LATIN (LATN)

LATN 101. Elementary Latin I. (4 Credits)
Introduction to syntax and vocabulary. Readings from representative ancient authors.

LATN 102. Elementary Latin II. (4 Credits)
Introduction to syntax and vocabulary. Readings from representative ancient authors. Prerequisite LATN 101

LATN 201. Intermediate Latin. (4 Credits)
Review of grammar. Translation of extensive selections from Virgil’s Aeneid and other poets. Prerequisite: LATN 102 (or equivalent)

General Education: COMP

LATN 333. Advanced Latin Readings. (2 or 4 Credits)
In-depth readings of selections of Latin literature, focusing on the classical periods of the Roman Republic and Empire. Emphasis will be placed on universal human themes expressed in the literature that shed light on cross-cultural connections between the ancient and modern worlds. Prerequisite: LATN 201.

LATN 341. Ovid’s Metamorphoses. (4 Credits)
Intensive readings of selections from Ovid’s Metamorphoses, with particular attention to the similarities and differences between Greco-Roman myth and the Bible and to Ovid’s historical and cultural context in the age of Augustus. Prerequisite: LATN 201 or competency. Tags: LE

LATN 342. Apuleius’ Metamorphoses and C.S. Lewis. (4 Credits)
Intensive readings of selections from Apuleius’ Metamorphoses, with particular attention to the inset narrative of “Cupid and Psyche” and Lewis’ retelling of it in his novel “Till We Have Faces”, along with selections from the Latin letters of C.S. Lewis. Prerequisite: LATN 201 or competency. Tags: LE

LATN 487. Topics in Latin Language and Literature. (2 Credits)
Varied subjects. Designated studies in specialized genres, literature, culture, comparative studies, or inter-disciplinary studies. Prerequisite: LATN 201.

LATN 489. Topics in Latin Language and Literature. (4 Credits)
Varied subjects. Designated studies in specialized genres, literature, culture, comparative studies, or inter-disciplinary studies. Prerequisite: LATN 201.

LATN 492. Independent Study in the Theory and Practice of Latin Pedagogy for Classical Schools. (4 Credits)
An independent course of study that combines observation and guest teaching in a local CCE school with the self-directed study of the history and theory of classical education. Students will develop their own materials for teaching Latin in a CCE school. Prerequisite: LATN 201, Instructor’s permission required.

LATN 495. Independent Study. (1 to 4 Credits)
Department approval required. Prerequisite: LATN 201.
LEAD 547. Communication and Leadership. (2 Credits)
Exposes students to the dynamics of communication in relation to leadership in contemporary contexts. In particular, communication concepts and best-practice will be applied to the tasks of leadership such as communicating vision, leading teams, intercepting entropy, and other challenges of organizational leadership.

LEAD 556. Foundations of Leadership. (4 Credits)
Provides a foundation for understanding macro, mezzo, and micro levels of leadership. Includes a theological grounding of leadership and an overview of key leader and leadership theories and models that span different contexts and cultures. Students will assess their own competency at each level of leadership and then create a development plan for growth.

LEAD 557. Global Leadership. (4 Credits)
In various ways, culture affects the shaping of identity, formation, and mission of people and organizations. In this course, students will learn to exegete organizational culture in order to identify helpful leadership approaches around organizational alignment, strategic planning, and boundary spanning that can support the growth and sustainability of global organizations. Students will use a similar process to evaluate their own cultural contexts and mental modes of leadership in light of the gospel.

LEAD 558. Personal Leadership and Ethics. (4 Credits)
Examines the biblical, theoretical, and practical foundations for personal leadership. Specific areas of focus will include leader capacity and capability, justice and forgiveness, leadership style, stages of development over the life cycle, spiritual disciplines, personal witness, and building support networks. The course encourages reflection on the ethical considerations of power, conflict management, and personal concerns for integrity and personal health.

LEAD 573. Qualitative Research Methods. (2 Credits)
Equips students with the rationale and methodology of qualitative research, with an emphasis on the application of qualitative methods to a specific context through research proposals.

LEAD 662. Developing Diverse People in Multicultural Teams. (2 Credits)
Explores concepts and skills needed for socially responsible and ethical leadership of multicultural teams. Topics covered include developing and coaching others cross-culturally, leading virtual teams, creating inclusive teams and organizations, appreciating and capitalizing on cultural diversity, and creative problem solving and conflict resolution. Prerequisite: INTR 561.

LEAD 663. Guiding Organizational Innovation and Change. (2 Credits)
Explores the theological, theoretical, practical, and contextual aspects of cultivating innovation, designing organizations for agility, and leading change in organizations. Attention will be given to managing uncertainty and conflict, awareness of power dynamics, and leader and organization adaptability.

LEAD 692. Special Topics in Leadership. (2 Credits)
Courses to provide opportunity for students to study a concept or topic in greater depth, or to explore a specialized topic and its relationship to leadership. Topics will vary and will be determined by department faculty members.

LEAD 693. Capstone. (2 Credits)
In-depth exploration of current issues in global leadership. Seminar integrates core content from the Global Leadership degree in an integrative comprehensive paper. Prerequisites: LEAD 547, 556, 557, 558, 573, 662, 663, and INTR 561. Graded pass/fail.

LEAD 694. Special Topics in Leadership. (4 Credits)
Courses to provide opportunity for students to study a concept or topic in greater depth, or to explore a specialized topic and its relationship to leadership. Topics will vary and will be determined by department faculty members.

LEAD 695. Independent Study. (1 to 4 Credits)

LEAD 696. Internship. (2 or 4 Credits)
LINGUISTICS (LING)

LING 222. English Grammar for Teachers. (2 Credits)
A survey of major areas of English grammar with a discussion of the history of the English language and a focus on practical issues for teachers of both English speakers and English language learners.

LING 224. Theoretical Foundations of Language Acquisition. (4 Credits)
Survey of theory and research relevant to the teaching and learning of English as a second/foreign language and bilingual education. Emphasis on practical applications from linguistics, psycholinguistics, and sociolinguistics.

Tags: DUS

LING 227. Cross-Cultural Teaching and Learning. (2 Credits)
Contributions of nonformal educators, cognitive psychologists, and educational anthropologists to cross-cultural teaching and learning; attuning instruction of ELLs to thinking styles, pedagogical expectations, and cultural values.

LING 321. Introduction to Linguistics. (2 Credits)
Introductory study of the concepts and methodology of modern linguistics. Survey of the various branches of linguistic science and their relationships to other disciplines. (Cross-listed with INTR 609)

LING 323. Bilingual Methods/Materials. (2 Credits)
Bilingual Methods and Materials. Current methodology and instructional resources for teachers of children in bilingual classrooms, programs, and schools. (Cross-listed with INTR 642)

LING 323L. Bilingual Practicum. (1 Credit)
An analysis of teaching skills in a supervised field placement.

LING 325. Principles of Assessment for TESOL. (2 Credits)
Theoretical and practical aspects of ESL/EFL testing, including 1) survey of test types, and 2) procedures for test planning, construction, administration, and interpretation of results. (Cross-listed with INTR 617)

LING 326. English Language Methods for Content Area Teachers. (2 Credits)
Contemporary issues and practices in teaching children from non-English-speaking backgrounds in mainstream classrooms, both in the U.S. and abroad. This course is intended for all teachers as well as specialists earning the ESL and bilingual endorsements. (Cross-listed with INTR 618)

LING 328. English Language Learning Methods for Specialists. (2 Credits)
English Language Learning Methods for Specialists. A survey of current methodology related to the classroom instruction of English language learners in specialized contexts such as pull-out and sheltered classes.

LING 328L. ELL Practicum. (1 Credit)
An analysis of teaching skills in a supervised field placement.

LING 329. Curriculum and Materials Development for English Language Learning. (2 Credits)
Principles and practices in the development of curricula for English language learning, K-12 textbook evaluation, and the management of English language teaching programs. (Cross-listed with INTR 614)

LING 503. Academic Comp & Communication. (0 Credits)
Group and individual instruction in expository writing and oral communication skills for students from non-English backgrounds. Students receive intensive preparation in English for academic purposes such as research papers and class presentations. Graded pass/fail.

LING 531. Theological Perspectives on Language and International Education. (2 Credits)
A theological examination and understanding of language and education in the international context. This course prepares teachers to think theologically about content, curriculum, and various contexts of learning in the global classroom.

LING 552. Cross-Cultural Perspectives on Gender and Leadership. (2 Credits)
An exploration of the role of women in missions, including their impact on mission strategies, their unique contributions, and a discussion of the critical issues they have faced since the time of the modern missionary movement.

LING 561. Intercultural Communication. (4 Credits)
Foundational principles of intercultural communication from the fields of social psychology, cultural anthropology, and communication theory integrated with selected areas of personal encounter in cross-cultural settings with a particular emphasis on cross-cultural teaching.

LING 562. Foundations of Intercultural Communication. (2 Credits)
Foundational principles of intercultural communication from the fields of social psychology, cultural anthropology, and communication theory.

LING 563. Cross Cultural Teaching and Learning. (2 Credits)
Contributions of nonformal educators, cognitive psychologists, and educational anthropologists to cross-cultural teaching and learning; attuning instruction to thinking styles, pedagogical expectations, and cultural values.

LING 573. Qualitative Research for Second Language Educators. (2 Credits)
A survey of qualitative research techniques for use in cross-cultural contexts, with a special focus on second language education.

LING 588. Asian Culture and Communication. (2 Credits)
An introduction to Asian cultures with a particular emphasis on the themes/issues of the 21st century. Includes an introduction to relevant languages and language-learning strategies. Principles for effective cross-cultural communication and adjustment are also considered.

LING 601. Introduction to TEFL Methodology. (2 Credits)
An introduction to the key concepts and skills involved in teaching English as a foreign language (EFL). The course provides a model-based introduction to methods for teaching English as a foreign language with a specific focus on oral communication.

LING 602. Second Language Acquisition in Intercultural Contexts. (2 Credits)
Principles and skills for the successful learning of foreign languages, including practical instruction in phonetics and language-learning strategies.

LING 606. Descriptive English Grammar: Foundations. (2 Credits)
A survey of the foundational systems of English grammar, including practical issues and procedures involved in teaching grammar to ESL/EFL learners.

LING 607. Descriptive English Grammar: Syntax and Discourse. (2 Credits)
A survey of specialized features of English grammar, including areas of difficulty for English language learners and complex multiclause structures.

LING 608. Second Language Acquisition. (4 Credits)
Principles and skills for the successful learning of foreign languages, including practical instruction in phonetics and language-learning strategies.
LING 609. Linguistic Science. (2 Credits)
See LING 321.

LING 611. Theoretical Foundations of TESOL Methodology. (4 Credits)
Survey of theory and research relevant to the teaching and learning of English as a second/foreign language. Emphasis on practical applications from linguistics, psycholinguistics, and sociolinguistics.

LING 612. Descriptive English Grammar for TESOL. (4 Credits)
A survey of English grammar and discourse analysis, including practical issues and procedures involved in teaching grammar and discourse to ESL/EFL learners.

LING 613. TESOL Classroom Dynamics Practicum. (2 Credits)
A survey of current research and methodology related to classroom instruction. Includes an analysis of the student's teaching skills in a supervised field placement. Appropriate for both inexperienced and experienced teachers, as well as TESOL administrators.

LING 614. Curriculum and Materials Development for TESOL. (2 Credits)
Principles and practices in the development of curricula for ESL/EFL courses, textbook evaluation, and the management of English language teaching programs. Cross-listed with LING 329.

LING 615. Teaching Reading and Composition to ESL/EFL Learners. (2 Credits)
Theoretical and practical issues involved in teaching reading and composition, including procedures for planning and implementing classroom instruction.

LING 616. English Phonology for ESL/EFL Teachers. (2 Credits)
Theoretical and practical issues involved in teaching reading and composition, including procedures for planning and implementing classroom instruction.

LING 617. Principles of ESL/EFL Assessment. (2 Credits)
See LING 325.

LING 618. English Language Learning Content Methods and Materials. (2 Credits)
See LING 326.

LING 619. Teaching Speaking and Listening to ESL/EFL Learners. (2 Credits)
Specialized training in ESL teaching methods related to oral communication. Includes techniques for the analysis of oral discourse and current methodology related to language-learning strategies and the use of media.

LING 631. Principles of TESOL Teacher Mentoring. (2 Credits)
This course promotes a deeper understanding of how to engage teachers in conversations and activities that encourage professional growth. Teacher mentors will learn how to observe and give feedback to novice teachers and how to make use of a variety of professional development strategies. Taught in Asia.

LING 632. Seminar in TESOL Teacher Mentoring. (2 Credits)
This course helps teacher mentors identify and solve problems within their teaching context. Mentors will develop an understanding of the broad context of education and language education in the country and region where they work and will apply this knowledge as they guide teachers. The mentors will also become skilled at helping teachers conduct research as a means of understanding and solving problems in their classrooms. Taught in Asia.

LING 633. Practicum in Teacher Mentoring. (2 Credits)
Practical experience in teacher mentoring, including observing and giving feedback to teachers, advising them in lesson planning and classroom dynamics, and counseling them about their future teaching situation. Taught in Asia.

LING 634. Adult ESL Literacy. (2 Credits)
Problems and issues in adult literacy, with a specific focus on methodology for teaching immigrants, refugees, and other English language learners, both in the US and abroad.

LING 635. Principles of Materials Development for TESOL. (2 Credits)
Students will gain an understanding of the fundamental terminology, concepts and processes involved in the development of textbooks and other published materials, including web-based and audiovisual materials for English language teaching.

LING 636. Practicum in Materials Development. (2 Credits)
Students will develop materials for an existing project through a step-by-step process which is modeled during a series of class sessions. This will lead to a more extensive individual materials development project for an organization or publisher, under the guidance of the professor or a mentor.

LING 637. Problems and Issues in TESOL Materials Development. (2 Credits)
Students will present materials they have developed for a publisher or organization and will critique the materials developed by others. Discussion of current problems and issues in materials development, both theoretical and practical, will be stimulated by these presentations and the course readings.

LING 642. Bilingual Methods and Materials. (2 Credits)
See LING 323.

LING 643. English Language Learning Methods for Specialists. (2 Credits)
See LING 328.

LING 644. English for Specific Purposes. (2 Credits)
This course examines the field of English for specific purposes, and related subfields of the discipline such as English for academic purposes (EAP), English for business purposes (EBP), English for occupational purposes (EOP), and English for Bible and theology (ETB).

LING 692. Comprehensive Examination. (0 Credits)
Prerequisite: submission of Candidacy form. Fee $75. Graded pass/fail.

LING 695. Independent Study. (1 to 4 Credits)

LING 696. Internship. (2 or 4 Credits)
Graded pass/fail.

LING 698. Thesis/Applied Thesis. (4 Credits)

LING 699. Applied Thesis/Thesis Continuation. (0 Credits)
MAFT 601. Enduring Systemic Questions. (1 Credit)
This course introduces Marriage & Family Therapy students to practices of integrative thinking by engaging challenging, theologically significant enduring questions in a seminar-style course organized around systems thinking and Christianity. The components of each seminar will emphasize integrative intellectual practice and model the integration of faith and learning in preparing clinicians who serve various communities and the global church.

MAFT 618. Family Therapy Research & Implications for Evidence-Based Practice. (3 Credits)
An overview of research methodology, data analysis, and the evaluation of research in couple and family therapy and how research informs MFT common factors and evidence-based practice.

MAFT 624. MFT Ethics & Professional Practice. (3 Credits)
An overview of ethical issues related to the profession and practice of MFT including the AAMFT Code of Ethics, professional identity, professional organizations, and licensure.

MAFT 631. Individual & Family Life Cycle Development. (3 Credits)
The study of individual and family development across the lifespan, exploring continuity and change within the developing individual and family.

MAFT 633. Couple Therapy: Systemic Assessment and Intervention. (3 Credits)
An overview of theoretical models and skills necessary for effective treatment of couple relationship and sexual functioning.

MAFT 634. Marriage & Family Therapy I: Theoretical Foundations. (3 Credits)
An introduction to historical development, theoretical and empirical foundations of systems theory including a survey of the major models of marriage, couple, and family therapy and an overview of contemporary conceptual directions.

MAFT 635. Marriage & Family Therapy II: Systemic Assessment & Intervention. (3 Credits)
An application of relational/systems theory to a variety of presenting clinical problems including but not limited to physical health and illness, major mental health issues, traditional psychodiagnostic categories, and relational problems.

MAFT 637. Families in Context: Culture, class, ethnicity, gender, sexual identity & religion. (3 Credits)
An overview of the impact of diversity, power, and privilege as they related to culture, class, ethnicity, gender, sexual orientation, and religion in families and their influence on couple and family treatment.

MAFT 642. Psychopathology & the Family. (3 Credits)
The study of the etiology and maintenance of the major mental disorders and the role of the family and community in assessment and intervention. The DSM-IV-TR classification system and the biological bases of behavior are given special attention.

MAFT 643. Trauma and Addiction: Systemic Assessment and Intervention. (3 Credits)
This is an advanced marriage and family therapy course focused on the assessment and treatment of individuals, couples, and families who have experienced trauma and/or addiction. Special consideration will also be given to how grief, loss, and shame moderate families’ experiences of trauma and addiction.

MAFT 645. Systemic Interventions with Children and Adolescents. (3 Credits)
An examination of systemic models of conceptualizing child and adolescent problems and an introduction to systemic treatment modalities for working with children, adolescents and their families.

MAFT 655. Systemic Interventions with Special Populations. (3 Credits)
Abusive families, families with addictions, domestic violence, and under-resourced families. An advanced skills course providing theory and techniques for treatment of special populations in marriage and family therapy.

MAFT 656. Integration seminar: MFT and Christian faith/practice. (3 Credits)
An advanced seminar examining historical and contemporary issues in the integration of Christian faith, systemic epistemology, and the practice of Marriage and Family Therapy.

MAFT 661. Personal and Professional Development Group (PPDG) I. (0 Credits)
A small group class focusing on development of MFT identity, person of the therapist issues, group dynamics, and spiritual formation.

MAFT 662. Personal and Professional Development Group (PPDG) II. (0 Credits)
A small group class focusing on development of MFT identity, person of the therapist issues, group dynamics, and spiritual formation.

MAFT 663. Personal and Professional Development Group (PPDG) III. (0 Credits)
A small group class focusing on development of MFT identity, person of the therapist issues, group dynamics, and spiritual formation.

MAFT 664. Personal and Professional Development Group (PPDG) IV. (0 Credits)
A small group class focusing on development of MFT identity, person of the therapist issues, group dynamics, and spiritual formation.

MAFT 671. Personal and Professional Development Group I. (1 Credit)
A small group class focusing on development of Marriage and Family Therapy identity, person of the therapist issues, group dynamics, and spiritual formation.

MAFT 672. Personal and Professional Development Group II. (1 Credit)
A small group class focusing on development of Marriage & Family Therapy identity, person of the therapist issues, group dynamics, and spiritual formation.

MAFT 673. Personal and Professional Development Group III. (1 Credit)
A small group class focusing on development of Marriage & Family Therapy identity, person of the therapist issues, group dynamics, and spiritual formation.

MAFT 674. Personal and Professional Development Group IV. (1 Credit)
A small group class focusing on development of Marriage & Family Therapy identity, person of the therapist issues, group dynamics, and spiritual formation.
MAFT 681. Clinical Pre-Practicum I. (2 Credits)
First year clinical practicum focusing on observation of clinical work and development of beginning Marriage & Family Therapy skills. Graded pass/fail.

MAFT 682. Clinical Pre-Practicum II. (2 Credits)
First year clinical practicum focusing on observation of clinical work and development of beginning Marriage & Family Therapy skills. Graded pass/fail.

MAFT 684. Clinical Practicum I. (3 Credits)
Second year clinical practicum in which students secure outside placements and provide couple and family therapy under supervision by professionals on site. In addition, students received another hour supervision per week on campus by faculty AAMFT Approved Supervisors. Graded pass/fail (2 each semester)

MAFT 685. Clinical Practicum II. (3 Credits)
Second year clinical practicum in which students secure outside placements and provide couple and family therapy under supervision by professionals on site. In addition, students received another hour supervision per week on campus by faculty AAMFT Approved Supervisors. Graded pass/fail (2 each semester)

MAFT 691. Advanced Clinical Practicum. (0 to 3 Credits)
This course is an advanced marriage and family therapy practicum. It is designed to provide supervision and counseling experience for the development of clinical skills in working with couples and families. Prerequisites: MAFT 696, 697, 698 and 699. Graded pass/fail. Repeatable. (0-3 each semester)

MAFT 696. Clinical Pre-Practicum I. (1 Credit)
First year clinical practicum focusing on observation of clinical work and development of beginning MFT skills. Graded pass/fail.

MAFT 697. Clinical Pre-Practicum II. (1 Credit)
First year clinical practicum focusing on observation of clinical work and development of beginning MFT skills. Graded pass/fail.

MAFT 698. Clinical Practicum I. (2 Credits)
Second year clinical practicum in which students secure outside placements and provide couple and family therapy under supervision by professionals on site. In addition, students received another hour supervision per week on campus by faculty AAMFT Approved Supervisors. Graded pass/fail (2 each semester)

MAFT 699. Clinical Practicum II. (2 Credits)
Second year clinical practicum in which students secure outside placements and provide couple and family therapy under supervision by professionals on site. In addition, students received another hour supervision per week on campus by faculty AAMFT Approved Supervisors. Graded pass/fail (2 each semester)
MATH 106. Mathematics for the Benefit of Mission and Society. (4 Credits)
An overview of how mathematics benefits the mission of the Church and society worldwide, with special regard for those who are suffering and/or marginalized. Examples will be drawn both from history and our contemporary world.
Tags: AAQR

MATH 107. Finite Mathematics and Applications. (4 Credits)
Designed to provide the mathematical tools that a college graduate is likely to encounter in his or her work. Core topics include systems of linear equations, mathematics of finance, and basic probability and statistics. Additional topics may include game theory for decision making, linear programming, iterated processes, or networks. Extensive use of spreadsheet programs. The course illustrates the relevance of mathematics to life applications by taking real or realistic examples from business, economics, social sciences, and life sciences.
Tags: AAQR

MATH 125. Mathematics for Elementary and Middle Grade Education. (4 Credits)
Numeration systems, set theory, the whole number, integer number, and rational number systems with associated axioms, operations, relations, and counting principles. Topics from geometry, measurement, logic, and probability and statistics. For elementary education majors only.

MATH 131. Precalculus. (4 Credits)
A course in elementary functions intended to prepare students for MATH 221 or MATH 231. Topics include the properties of the real number system, inequalities and absolute values, functions and their graphs, solutions of equations, polynomial functions, trigonometric functions, exponential, and logarithm functions. Emphasis on using functions to model physical or social systems.
Tags: AAQR

MATH 221. Applied Calculus. (4 Credits)
This course covers the ideas of calculus, emphasizing applications to business and the social sciences. It includes a wider range of topics than MATH 231 but with less depth of coverage. Topics include limits, definitions and applications of the derivative and integral, and functions of one or more variables. Prerequisite: MATH 131 or Precalculus competence. This course does not count toward the mathematics major. Only one of MATH 221 or MATH 231 may be taken for credit.
Tags: AAQR

MATH 231. Calculus I. (4 Credits)
This course covers differential and integral calculus of functions of a single real variable, including trigonometric, exponential, and logarithmic functions. Derivatives and integrals are studied symbolically, graphically, and numerically. Applications of calculus are emphasized throughout the course. Three lectures, two hours drill. Prerequisite: MATH 131 or Precalculus competence (see Calculus Readiness Assessment).
Tags: AAQR

MATH 232. Calculus II. (4 Credits)
Infinite series, polar coordinates and parametric curves. Three-dimensional geometry and vector algebra, functions of two variables, partial differentiation, double integration. Applications of these topics are emphasized throughout the course. Three lectures, two hours drill. Prerequisite: MATH 231 or 233 with a minimum grade of C-, or AP Calculus AB score of 4 or 5, or BC score of 3.

MATH 233. Calculus I B. (2 Credits)
This is a 2-hour course that covers the B-Quad material of MATH 231. It meets concurrently with MATH 231 in B-Quad. Three lectures, two hours drill. Prerequisite: AP Calculus AB score of 3 or BC score of 2.
Tags: AAQR

MATH 234. Calculus II B. (2 Credits)
This is a 2-hour course that covers the B-Quad material of MATH 232. Prerequisite: AP Calculus BC score of 4 or 5.

MATH 241. Introduction to Proofs. (2 Credits)
Propositional logic, quantifiers, elementary proof techniques and strategies. An introduction to set theory, including operations on sets, definition of functions, relations. Basic number theory including divisibility, primes, greatest common divider, Euclidean Algorithm. Induction and well-ordering. Permutations and combinations. Axiomatic systems. Prerequisite: MATH 232.

MATH 243. Discrete Mathematics and Functional Programming. (4 Credits)
Sets, logic, the nature of proof, induction, algorithms, algorithm correctness, relations, lattices, functions, and graphs. Functional programming and recursion using the ML programming language. May not be taken after MATH 341 or MATH 351.
Tags: AAQR

MATH 245. Linear Algebra. (4 Credits)
Starting with solving systems of linear equations, matrix algebra is used to explore vector spaces and linear transformations. Emphasis is given to bases, dimension, eigenvectors, and orthogonality. Prerequisite: MATH 231 or 233.

MATH 263. Introduction to Statistics. (4 Credits)
An introduction to statistics, sampling theory, and statistical decision making from a solid mathematical basis for non-mathematics majors. Topics chosen from discrete and continuous distributions, moments, hypothesis testing, correlation and multiple correlation, regression (linear, multivariate, logistic), ANOVA, contingency tables with tests for independence, sampling theory, and rudimentary non-parametric statistics. Students will use selected software packages for data processing and analysis. Prerequisite: MATH 131 or Precalculus knowledge.
Tags: AAQR

MATH 301. Intro to Upper-Level Math. (2 Credits)
Introduction to learning and communication processes used in upper-level mathematics: primary literature sources, presenting mathematics in writing and orally using specialized software. The vocation of a mathematician: ongoing research developments, professional opportunities in academia and in the industry. Prerequisite: MATH 231 or 233. For sophomore or junior math or applied math majors only.

MATH 302. Applied Project I. (2 Credits)
Submission of Applied Project proposal. Preliminary draft of research project including problem statement, scope of project, background, design and methodology in consultation with faculty project advisor(s). Prerequisite: MATH 301.

MATH 314. Problem Solving Seminar. (2 Credits)
Mathematical problem solving aimed at students who enjoy solving problems in a variety of areas of mathematics, and who would like to strengthen their creative mathematical thinking. Students are required to take the William Lowell Putnam Undergraduate Mathematics Competition. Prerequisites: MATH 232 or 234, and 245.
MATH 324. Methods of Teaching Mathematics. (2 Credits)
Theories and methods for teaching mathematics at the secondary level. Topics include cooperative learning, classroom management, and creative teaching ideas. Consideration of current math technology and curriculum standards. Required of mathematics majors in WheTEP prior to student teaching. Prerequisite: Acceptance to WheTEP

MATH 325. Methods of Teaching Middle Grade Mathematics. (2 Credits)
Theories and methods for teaching mathematics at the middle grade level. Topics include effective teaching strategies, planning, and assessment of math content. Based on the Common Core State Standards for Mathematics and the Illinois Professional Teaching Standards. Prerequisite: Acceptance to WheTEP.

MATH 331. Vector Calculus. (2 Credits)
Vector algebra, properties of transformations, curves and surfaces, line, surface, and volume integrals, Green’s, Stokes’, and the divergence theorems. Prerequisite: MATH 232 or 234.

MATH 333. Differential Equations. (4 Credits)
An introduction into the theory, methods of solution, and selected applications of ordinary differential equations. Topics include first order equations, second order linear equations with constant coefficients, numerical analysis of ordinary differential equations, Laplace Transforms, series solutions, and systems of differential equations. Prerequisite: MATH 232 or 234.

MATH 341. Modern Algebra. (4 Credits)
An introduction to the theory of groups, rings, and fields. Topics in group theory include Lagrange’s theorem, quotient groups, applications to geometry, public key cryptography, and finitely generated abelian groups. Topics in ring theory include ideals, quotient rings, and polynomial rings. Topics in field theory include field extensions, Euclidean construction problems, cubic and quartic equations. Prerequisite: MATH 245 or consent of instructor.

MATH 343. Discrete Mathematics. (4 Credits)
Basic and advanced topics selected from sets and logic, Boolean algebra, functions, algorithms, relations and recursion, combinatorics, graph theory, nature of proof, number theory and cryptography. Prerequisite: MATH 231, 233 or consent of instructor. Offered spring of even-numbered years.

MATH 351. Analysis I. (4 Credits)
Derivation of the properties of continuity, differentiability, integrability, and convergence by use of the limit concept and basic axioms of the real number field. Prerequisites: MATH 232 (or MATH 234) and MATH 245, or consent of instructor.

MATH 352. Complex Analysis. (4 Credits)
An introduction to functions of a complex variable. Topics include the algebra and geometry of complex numbers, mappings of the complex plane, elementary analytic functions, complex functions defined by power series, and differentiation and integration of complex functions. Prerequisite: MATH 331 (MATH 351 recommended). Offered spring of odd-numbered years.

MATH 362. Geometry. (4 Credits)
Selected topics from finite, affine, projective, Euclidean and non-Euclidean geometry from both the axiomatic and transformation approaches. Prerequisite: MATH 245. Offered spring of odd-numbered years.

MATH 363. Probability and Statistics I. (4 Credits)
An introduction to probability theory, including discrete and continuous distributions. Topics covered include independence, conditional probability, expectation, variance and covariance, random vectors, and the central limit theorem. Prerequisites: MATH 232 (or MATH 234) and MATH 245.

MATH 364. Mathematical Modeling. (4 Credits)
A course designed to develop an appreciation for, an understanding of, and a facility in the use of mathematics in the social and life sciences. Particular problems in political science, ecology, psychology, sociology, economics, anthropology, epidemiology, and business management provide the motivation for the development of tools and techniques employed throughout applied mathematics. Prerequisites: MATH 232 (or MATH 234) and MATH 245.

MATH 385. Topics in Applied Mathematics. (4 Credits)
A topic selected for each semester in which the course is offered that focuses upon a particular applied mathematics discipline in a way that brings important mathematical theory and methods to practice. Possibilities include Numerical Analysis, Dynamical Systems, Applied Linear Algebra, Operations Research, Cryptography, or Applied Discrete Math. Prerequisites: MATH 232 (or MATH 234) and MATH 245 or consent of instructor.

MATH 386. Topics in Statistics. (4 Credits)
A topic selected for each semester in which the course is offered that focuses upon a particular application in depth and goes beyond methods covered in MATH 363. Some possible topics include Bayesian Analysis, Machine Learning, Nonparametric Methods, Regression, or Structural Equation Modeling. Prerequisite: MATH 363.

MATH 394. Seminar. (2 Credits)
Study of a topic of mathematics not covered in the other courses. May be retaken when different topics are offered. Prerequisite: Consent of instructor. Offered on demand. Last offering was Topology.

MATH 433. Partial Differential Equations. (4 Credits)
Partial differential equations (PDE’s) are differential equations involving functions of multiple independent variables and partial derivatives. PDEs are ubiquitous in the natural sciences, especially physics and engineering, appearing in mathematical models that vary in time and space such as diffusion, fluid flow, vibrating strings and membranes, waves (sound, electromagnetic), transport phenomena, and quantum mechanics. The course focuses on analytical methods for solving PDEs with extensions into Fourier theory, L2 theory, and Sturm-Liouville theory. Prerequisites: MATH 245 and 333.

MATH 441. Algebra II. (4 Credits)
Advanced group theory, including group actions and Sylow topics. Module theory with selected applications. Galois theory of field extensions. Multivariable polynomial rings with applications of Groebner bases. Introduction to the concept of categories. Prerequisite: MATH 341. Offered fall of even-numbered years.

MATH 451. Analysis II. (2 or 4 Credits)
Study of topics from real analysis. Prerequisite: MATH 351. Alternate years.

MATH 463. Probability and Statistics II. (4 Credits)
Starting from a review of probability distributions and their underlying assumptions and features, this course focuses upon statistical inference and data analysis. Topics will be chosen from parametric hypothesis testing, ANOVA, contingency tables and tests for independence, regression techniques and some Bayesian/non-parametric methodology. Prerequisite: MATH 363.
MATH 485. Advanced Topics in Mathematics. (4 Credits)
Selected topics from advanced mathematics, such as Number Theory, Partial Differential Equations, or Differential Geometry. Prerequisite: MATH 245.

MATH 493. Mentored Research Seminar. (2 or 4 Credits)
Faculty and student collaboration on a project of mutual interest. Limited enrollment - faculty approval required.

MATH 494. Senior Seminar. (2 Credits)
494-1. (Section 1) "Mathematics and Its Foundations". A study of the historical development of the main ideas in mathematics, with an emphasis on the nineteenth-century developments in axiomatics, logic, number and set theory which led to the twentieth-century developments in the philosophy and foundations of mathematics. As a Christ at the Core Capstone course, students will actively participate in this learning experience by extensive reading, group discussions and several written assignments. Prerequisites: Senior standing in the mathematics major, MATH 341 and 351.; 494-2. (Section 2) "Applied Mathematics Senior Seminar". Christ at the Core Capstone course integrating the applied math program with liberal arts learning. Historical survey and current applications of important mathematical equations and models. Applied project work and oral presentations connecting applied mathematics with other disciplines, humanitarian organizations, and/or faith-based mission in under-served communities, and also with Christ at the Core learning. Reflection on diverse and distinctive callings of Christian mathematicians and the Christ at the Core student calling to grow in knowledge, wisdom and Christian character. Prerequisites: Senior standing in the applied math major including MATH 302, or consent of instructor.

MATH 495. Problems In Mathematics. (1 to 4 Credits)
Independent study for senior majors. A maximum of two hours can be applied to the major.

MATH 496. Internship. (1 to 4 Credits)
Graded pass/fail. Prerequisite: junior or senior standing with Mathematics or Applied Mathematics major.
MILITARY SCIENCE (MSCI)

MSCI 101. Introduction to the Army and Critical Thinking. (2 Credits)
This course introduces cadets to the personal challenges and competencies that are critical for effective leadership. Cadets learn how the personal development of life skills such as critical thinking, goal setting, time management, physical fitness, and stress management relate to leadership, officership, and the Army profession. The focus is on developing basic knowledge and comprehension of Army leadership dimensions while gaining a big picture understanding of the ROTC program, its purpose in the Army, and its advantages for the student. Emphasis on "hands-on" learning also includes blocks of instruction on map reading, orienteering, marksmanship, and rappelling, as well as weekly leadership laboratories, one weekend field trip, and physical training. Upon completion of this semester, the cadets should be prepared to receive more complex leadership instruction. Corequisite: MSCI 123. Fall only.

MSCI 102. Introduction to the Profession of Arms. (2 Credits)
This course overviews leadership fundamentals such as setting direction, problem solving, listening, presenting briefs, providing feedback, and using effective writing skills. Cadets explore dimensions of leadership values, attributes, skills, and actions in the context of practical, hands-on, and interactive exercises. Cadre role models and the building of stronger relationships among the cadets through common experience, and practical interaction are critical aspects of the MSCI 102 experience. Course includes weekly leadership lab, one weekend field trip, and physical training. Corequisite: MSCI 123. Spring only.

MSCI 103. Basic Camp. (0 or 4 Credits)
This course is a 29-day summer training course conducted at Fort Knox, Kentucky, designed to teach the fundamentals of soldiering and leadership and to enhance personal confidence using practical, hands-on exercises including: land navigation, rifle marksmanship, first aid, individual and unit tactics, obstacle courses, and rappelling. Basic Camp is required of all students who have signed an ROTC contract to attend following their freshman year. Military pay approximately $750 (Optional four hours credit. Special tuition charge $25.) Summer. Departmental Approval Required. (0, 4)

MSCI 123. Leadership Laboratory. (0 Credits)
Practical application of military skills taught in MSCI basic and advanced courses. Hands-on training in basic soldier's skills, squad and platoon tactics, weapons, communications, and organizational leadership. Corequisite for MSCI 101/102, MSCI 201/202, MSCI 301/302, MSCI 401/402. Graded pass/fail.

MSCI 201. Leadership and Decision Making. (2 Credits)
This course explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and two historical leadership theories that form the basis of the Army leadership framework. Cadets practice aspects of personal motivation and team building in the context of planning, executing, and assessing team exercises and participating in leadership labs. Focus is on continued development of the knowledge of leadership values and attributes through an understanding of Army rank, structure, and duties and basic aspects of land navigation and squad tactics. Case studies provide tangible context for learning the Soldier's Creed and Warrior Ethos in the contemporary operating environment. The course also includes one weekend field trip, weekly leadership laboratories, and physical training. Corequisite: MSCI 123. Fall only.

MSCI 202. Army Doctrine and Team Development. (2 Credits)
This course examines the challenges of leading tactical teams in the contemporary operating environment (COE). The course highlights dimensions of terrain analysis, patrolling, and operation orders. Further study of the theoretical basis of the Army leadership framework explores the dynamics of adaptive leadership in the context of military operations and what impact does this framework have for the officer. MSCI 202 provides a smooth transition into MSCI 301. Cadets develop greater self-awareness as they assess their own leadership styles and practice communication and team building skills. COE case studies give insight into the importance and practice of teamwork and tactics in real-world scenarios. This includes one weekend field trip, weekly leadership laboratories, and physical training. Corequisite: MSCI 123. Spring only.

MSCI 301. Training Management and the Warfighting Functions. (4 Credits)
MSCI 301 challenges cadets to study, practice, and evaluate adaptive leadership skills as they are presented with challenging scenarios related to squad tactical operation. Cadets receive systematic and specific feedback on their leadership attributes and actions. Based on such feedback, as well as their own self-evaluations, cadets continue to develop their leadership and critical thinking abilities. Additional emphasis will be placed on ethical decision-making. The focus is developing cadets’ tactical leadership abilities to enable them to succeed at the summer - Cadet Leader Course (Advanced Camp), MSCI 303. Course includes weekly leadership lab, one weekend field trip, and physical training. Prerequisite: Basic Course credit; Corequisite: MSCI 123. Fall only.

MSCI 302. Applied Leadership in the Small Unit Operations. (4 Credits)
MSCI 302 uses increasingly intense situational leadership challenges to build cadet awareness and skills in leading small units. Skills in decision-making, persuading and motivating team members when "under fire" are explored, evaluated, and developed. Aspects of military operations are reviewed as a means of preparing for Advanced Camp. Cadets are expected to apply basic principles of biblical ethics, the Law of Land Warfare, Army training, and motivation to troop leading procedures. Emphasis is also placed on conducting military briefings and developing proficiency in garrison operation orders. MSCI 302 cadets are evaluated on what they know and do as leaders. Cadets will learn the importance of the value of being a leader of character. Course includes weekly leadership lab, one weekend field trip, and physical training. Prerequisite: MSCI 301; Corequisite: MSCI 123. Spring only.

MSCI 303. Advanced Camp. (0 or 4 Credits)
Approximately 6,500 cadets nationwide will attend Advanced Camp at Fort Knox, Kentucky, each year. The 29-day course starts with individual training and leads to collective training, building from simple to complex tasks. This building-block approach permits integration of previously-learned skills into follow-on training. This logical, common-sense training sequence is maintained for each training cycle. Every day at Advanced Camp is a day of training. Cadets are paid a per diem while attending. Prerequisite: MSCI 302. (Optional four hours credit. Special tuition charge $25.) Summer (0, 4)
MSCI 401. The Army Officer. (4 Credits)
MSCI 401 develops cadet proficiency in planning, executing, and assessing complex operations, functioning as a member of a staff, and providing performance feedback to subordinates. Cadets assess risk, make ethical decisions, and lead fellow ROTC cadets. Cadets will learn how to effectively mentor subordinate leaders professionally. Cadets learn the art of Mission Command and understand the tenets of the Army as a profession. Lessons on military justice and personnel processes prepare cadets to make the transition to Army officers. MSCI 401 cadets analyze, evaluate, instruct cadets at lower levels. Both their classroom and battalion leadership experiences are designed to prepare MSCI 401 cadets for their first unit of assignment. They identify responsibilities of key staff, coordinate staff roles, and use situational opportunities to teach, train, and develop subordinates. Course includes weekly leadership lab, one weekend field trip, and physical training. Prerequisite: MSCI 302; Corequisite: MSCI 123. Fall only.

MSCI 402. Company Grade Leadership. (4 Credits)
This course explores the dynamics of leading in the complex situations of current military operations in the contemporary operating environment. Cadets examine differences in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. They also explore aspects of interacting in other cultures, with intergovernmental agencies and nongovernmental organizations. The course places significant emphasis on preparing cadets for their first unit of assignment as a company grade officer. The course emphasizes case studies, scenarios, and exercises to prepare cadets to face the complex ethical and practical demands of leading as commissioned officers in the United States Army. Course includes weekly leadership lab, one weekend field trip, and physical training. Prerequisite: MSCI 401; Corequisite: MSCI 123. Spring only.

MSCI 494. Leadership Principles. (2 Credits)
Focuses on leadership theory and principles. Cadet will choose texts from a Professional Reading list selected by the Army which will emphasize leadership lessons and principles. Departmental Approval Required.

MSCI 495. Independent Study. (1 to 4 Credits)
Typically offered to students whose course work requires more than 8 semesters to complete. Departmental Approval Required.
MINISTRY-MA (MIN)

MIN 547. Preaching. (2 Credits)
This course lays the biblical and theological foundations for preaching and develops preaching skills with an emphasis on faithfulness, contextualization and mission, clarity and structural soundness, and spiritual power. The theological, conceptual, and practical role of media, drama, the arts, metaphor, and symbol will also be explored.

MIN 558. Personal Leadership and Development in Ministry. (4 Credits)
Explores dimensions of personal leadership development and competencies. Overviews Biblical foundations and spiritual disciplines for effective and God centered leadership. Uses various personality, temperament and assessment tools and examines developmental perspectives on leadership over the lifespan.

MIN 559. Organizational Change and Leadership in Ministry. (4 Credits)
Explores models and principles of change leadership, leading organizations, building teams, handling conflict, and fostering entrepreneurial environments within a ministry setting. Examines the leadership literature on these issues. Utilizes case studies and group experiences.

MIN 561. Congregational Leadership: Worship, Discipleship, and Care. (4 Credits)
In various ways, congregational culture affects the shaping of the identity, mission and formation of all local churches. In this course, we will seek to define, exegete, and evaluate congregational culture in order to identify helpful leadership approaches for worship, discipleship, and pastoral care that can support congregational formation and mission.

MIN 692. Comprehensive Exam. (0 Credits)
Prerequisite: submission of Candidacy form. Fee $75. Graded pass/fail.
MISSONAL CHURCH
MOVEMENTS-MA (MISS)

MISS 562. Launching Apostolic Movements. (4 Credits)
Focuses on developing an overview of what constitutes a missional
movement by gaining a working understanding and analysis of the
key elements that have often coalesced in order to catalyze missional
movements in Western and majority world contexts, both historically and
in more contemporary times.

MISS 564. Planting and Growing Reproducing Churches. (2 Credits)
Investigates models, principles, strategies, and methodologies for
planting new churches in North America that have an apostolic ethos of
continual reproduction. Surveys Biblical materials on church planting,
examines the recent literature and resources, and explores networks of
church planting organizations and churches.

MISS 565. Incarnational Ministry for Missional Churches. (2 Credits)
Explicates the basic components of missional communities, including
communion, community and mission, that emphasize entering into
communities and cultures and sectors of society, rather than drawing
people out of their communities, contexts, and roles into siloed religious
communities.

MISS 568. Organic and Simple Church. (2 Credits)
Explores the dynamics of cell, simple, organic, and house church
movements both here in North America and in other parts of the world.
Special attention will be paid to multiplication factors, contextual
influences, resourcing issues, organizational centralization and
decentralization forces, and leadership patterns.

MISS 575. Urban Missional Movements. (2 Credits)
Examines creative urban missional reproducing movements, paying
special attention to the unique opportunities, challenges, and contexts
of larger urban communities. Students will gain a knowledge of urban
contexts, and explore ways the church can interact with those contexts in
missional engagement.

MISS 576. Missional Movements and Evangelism. (2 Credits)
Explores a research based understanding of various missional
expressions and movements, learning to assess strengths and
weaknesses of the various movements and expressions, and examining
effective and ineffective evangelism dynamics.

MISS 692. Comprehensive Exam. (0 Credits)
Prerequisite: submission of Candidacy form. Fee $75. Graded pass/fail.
MUSIC CONTEXT STUDIES (MUCS)

MUCS 101. Introduction to Music: Historical Perspective. (2 Credits)
A chronological-historical approach toward an understanding of music with a focus primarily upon great musical works of the Western tradition, and the development of a coherent, Christ-centered, theology of the Arts. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPAM. (2)
Tags: VPAM

MUCS 102. Introduction to Music: Interdisciplinary Perspective. (2 Credits)
A topical-interdisciplinary approach toward an understanding of music with a focus primarily upon great musical works of the Western tradition, and the development of a coherent, Christ-centered, theology of the Arts. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPAM.

MUCS 103. Introduction to Music: World Music & Sociology of Sound. (2 Credits)
A sociological approach toward an understanding of music with a focus upon Global/World music, and the development of a coherent, Christ-centered, theology of the Arts. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPAM.

MUCS 261. Music Before 1600. (2 Credits)
Focus on repertories, development of polyphony, notational systems, values, and performance-practice issues. Emphasis on philosophical mindsets, iconography, major composers, sources, printing, bibliographic aids. Ties to modern compositional process. Offered spring semester only. (lin)

MUCS 262. Baroque and Classical Music Eras. (4 Credits)
Major trends, issues, and concepts of taste, aesthetics, and expression in seventeenth- and eighteenth-century music. The rise of new dramatic and instrumental media and forms; issues of performance-practice, improvisation, and ornamentation. Focus on media, composers, with attention to matters of musical structure and style. The issue of stylistic overlap and transition in music. Offered fall semester only.

MUCS 263. Nineteenth-Century Music. (2 Credits)
Impact of literature, nature, and nationalism on music; programmatic elements. Emphasis on social history, composers, works, genres, style, and performance-practice. The rise of scholarship; post-romanticism. Offered spring semester only.

MUCS 264. World Music. (2 Credits)
A survey of world music; cultural contexts and approaches to the study of indigenous music. Offered fall semester only.

MUCS 275. Musical Theater: London. (2 Credits)
Offered as part of the Arts in London program. Students will explore Musical Theater as a communication art form. Emphasis will be placed on understanding historical development, establishing criteria for evaluating live performance, and developing basic presentation skills. Cross-listed with COMM 275. Alternate years; offered summer in even years. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPAM.
Tags: VPAM

MUCS 321. Church Music Practices. (2 Credits)
A course focusing on the integration of music performance and literature with the Christian faith. Emphasis upon the biblical and theological foundations of church music and related arts, worship practices, and issues from Old Testament and New Testament times through the present day. Hymnology and church music literature across a variety of performance media and periods. Materials and methods for the church musician. Alternate Years; offered spring in odd years.

MUCS 322. English Cathedral Music. (2 Credits)
Offered as part of Arts in London program, the course will explore English cathedral music repertoire in an intensive on-site experience. Emphasis will be placed on the music literature in its actual historical context. Alternate years; offered summer in even years.

MUCS 323. Piano Literature. (2 Credits)
Historical overview of materials of the harpsichord, clavichord, and piano to the present day. Brief attention to the function of the piano in the church. The literatures in survey; focus on typologies. Alternate years; offered fall in even years.

MUCS 324. Art Song Literature. (2 Credits)
Definition and development of the lied, melodie, lirica da camera, and British and American art song to the present time; discussions of the form as it relates to Spanish, Scandinavian, and Slavic contributions. Alternate years; offered fall in odd years.

MUCS 326. Solo String Literature. (2 Credits)
Survey of the major concerto, sonata, and concert repertoire for violin, viola, and cello. Alternate years; offered fall in odd years. (lin)

MUCS 327. Woodwind Literature. (2 Credits)
(Section 1) 327-1. Flute. Historical overview of the flute. Survey of the major repertoire. Offered fall semester only. lin; (Section 2) 327-2. Single Reeds. Historical overview of the single reed instruments. Survey of the major repertoire. Offered fall semester only. lin; (Section 3) 327-3. Double Reeds. Historical overview of the double reed instruments. Survey of the major repertoire. Offered fall semester only. (lin)

MUCS 328. Brass Literature. (2 Credits)
(Section 1) 328-1. Trumpet. Historical overview of the trumpet. Survey of the major repertoire. Offered fall semester only. lin; (Section 2) 328-2. Horn. Historical overview of the horn. Survey of the major repertoire. Offered fall semester only. lin; (Section 3) 328-3. Low Brass. Historical overview of the low brass instruments. Survey of the major repertoire. Offered fall semester only. (lin)

MUCS 329. Percussion Literature. (1 to 2 Credits)
Tutorial under the supervision of the primary teacher. Offered fall semester only.

MUCS 331. Organ Literature and Performance Practice. (3 Credits)
Survey of organ music and historical organ performance practices of all major periods. Alternate years; offered fall in odd years.

MUCS 335. Music of the African Diaspora. (2 Credits)
A general overview of major African-derived musical practices scattered throughout the world. Emphasis on the diasporal unities that are common features in style traits, representative genres, and social trends present in music of the Americas, Caribbean, and Africa. Alternate years; offered fall in even years.

MUCS 336. Music of Oceania & Indonesia. (2 Credits)
An overview of musical practice, values and perspectives found throughout Oceania and Indonesia. Alternate years; offered spring in odd years.
MUCS 355. American Music. (2 Credits)
An historical overview of the major musical genres, styles, and performers of music of the United States; focuses on concert music, folk music, popular music, jazz, and other forms of social music in the United States. Alternate years; offered spring in odd years.

MUCS 356. Jazz History. (2 Credits)
Provides a general overview of the major jazz styles prominent in the United States during the 20th century. Particular attention is given the role of instrumental performance trends, the emergence of representative genres, key performers, and social trends that influenced jazz. Alternate years; offered spring in even years.

MUCS 361. Twentieth-Century Music. (4 Credits)
Consideration of prominent streams of musical practice, important contributors, along with related issues and controversies of the twentieth century. Emphasis on significant works and emerging stylistic elements. Offered spring semester only.

MUCS 363. Introduction to Music Research and Bibliography. (2 Credits)
Techniques in musical research with attention to data control, writing style, and format procedures. Major categories of musical bibliography, including comprehensive exposure to reference sources. Selected problems in music history requiring bibliographic solution. Manuscript work, major institutional collection; issues and sources in the history of music theory and criticism. Alternate years; offered fall in even years.

MUCS 421. Chamber Literature. (2 Credits)
Major contributions in the genre to the present day. Alternate years; offered spring in odd years.

MUCS 422. Choral Literature. (2 Credits)
Major contributions in the genre to the present day. Emphasis on repertoire control and stylistic analysis of representative works. Alternate years; offered spring in even years.

MUCS 424. Opera Literature. (2 Credits)
Survey of the genre from its inception circa 1600 to the present. Coverage of major works with in-depth examination of representative examples. Video presentations regularly included. Alternate years; offered fall in even years.

MUCS 425. Symphonic Literature. (2 Credits)
Survey of the field, focusing on major contributions from the eighteenth century to the present. Emphasis on repertoire control and stylistic analysis of representative works. Corollary ties to the development of the symphony orchestra. Alternate years; offered fall in odd years.

MUCS 433. Style Analysis. (2 Credits)
Major structural processes in music, and relations to surrounding theoretical and aesthetic principles. Criteria for critical analysis, hearing, and assimilation. Selected works representing crucial stylistic principles. Includes a focus on integrative issues, such as ties between rhetoric and music, artifice and expression, and humor as a form determinant. Alternate years; offered spring in even years.

MUCS 434. Seminar in Context Studies. (2 Credits)
Topics will change on a rotational basis. Examples include: Studies in Bach; Studies in Mozart; Studies in Stravinsky; the Renaissance Mass and Motet; Concerto literature; Studies in American music; Studies in jazz; in-depth analysis of specific issues, including research on cutting-edge scholarship; applications to performance practice, and interdisciplinary studies. Alternate years; offered spring in odd years. (lin)

MUCS 494. Senior Capstone. (2 Credits)
An integrative approach connecting students’ shared core experiences with their understanding of the aesthetic, cultural, and vocational issues within a diverse musical landscape. Open to senior music majors. Fall semester only.

MUCS 495. Directed Study. (1 to 4 Credits)
Independent, directed research in selected field of music history and literature.
## Music Ensemble Performance (MUEP)

**MUEP 213. Women's Chorale. (0 or 1 Credits)**
Open to all female students by audition. A performance ensemble engaging in and exploring choral literature for women's voices; performance experiences in diverse venues on and off campus. Graded pass/fail. (1 credit per year. Students register for 0 credits for fall semester and 1 credit for spring semester.)

**MUEP 214. Men's Glee Club. (0 or 1 Credits)**
Open to all male students by audition. A performance ensemble engaging in and exploring choral literature for men's voices; performance experiences in diverse venues on and off campus. Graded pass/fail. (1 credit per year. Students register for 0 credits for fall semester and 1 credit for spring semester.)

**MUEP 215. Concert Choir. (0 or 1 Credits)**
Open to all students by audition. A performance ensemble serving the undergraduate music curriculum with performance of choral literature of all musical styles and traditions; performance experiences in diverse venues on and off campus. Graded pass/fail. (1 credit per year. Students register for 0 credits for fall semester and 1 credit for spring semester.)

**MUEP 216. Symphonic Band. (0 or 1 Credits)**
Open to all students by audition. A performance ensemble engaging in and exploring band music; performance experiences in diverse venues on and off campus. Graded pass/fail. (1 credit per year. Students register for 0 credits for fall semester and 1 credit for spring semester.)

**MUEP 217. Symphony Orchestra. (0 or 1 Credits)**
Open to all students by audition. A performance ensemble engaging in and exploring orchestral music from the 18th century to the present; performance experiences in diverse venues on and off campus. Graded pass/fail. (1 credit per year. Students register for 0 credits for fall semester and 1 credit for spring semester.)

**MUEP 218. Jazz Ensemble. (0 or 1 Credits)**
Open to all students by audition. For music majors, may only fulfill up to two hours (four semesters) of large ensemble requirement. Graded pass/fail. (1 credit per year. Students register for 0 credits for fall semester and 1 credit for spring semester. Exceptions will be handled administratively.)

**MUEP 219. Recital & Concert Attendance. (0 Credits)**
Required of all music majors and minors. Repeated according to the requirements set forth in the Conservatory Handbook. Graded pass/fail. Fall, Spring

**MUEP 261. Opera Orchestra. (0 Credits)**
Instrumentalists accompany the Opera Music Mainstage production at the beginning of Spring semester. Corequisite: MUEP 213, 214, 215, 216, 217, or 218.

**MUEP 311. Studio Accompaniment. (1 to 2 Credits)**
Practical experience playing for lessons, related solo classes, general recitals, and juries with a variety of students and applied faculty. Prerequisite MUMS 313. 2-hour maximum for MUEP 311, 312, 321, 322 per academic year. May be repeated. (lin)

**MUEP 312. Studio Accompaniment. (1 to 2 Credits)**
Practical experience playing for lessons, related solo classes, general recitals, and juries with a variety of students and applied faculty. Prerequisite MUMS 313. 2-hour maximum for MUEP 311, 312, 321, 322 per academic year. May be repeated. (lin)

**MUEP 321. Recital Accompaniment. (1 to 2 Credits)**
Practical experience preparing and performing recitals with various instruments/voices. Prerequisite MUMS 313, MUEP 311, 312, or permission of instructor. 2-hour maximum for MUEP 311, 312, 321, 322 per academic year. May be repeated. (lin)

**MUEP 322. Recital Accompaniment. (1 to 2 Credits)**
Practical experience preparing and performing recitals with various instruments/voices. Prerequisite MUMS 313, MUEP 311, 312, or permission of instructor. 2-hour maximum for MUEP 311, 312, 321, 322 per academic year. May be repeated. (lin)

**MUEP 355. Opera Workshop. (2 Credits)**
Acting and improvisation for the singing actor. Includes basic stage movement and scene study. Offered each spring. Repetition encouraged. (lin)

**MUEP 357. Opera Mainstage. (2 Credits)**
A fully staged opera music theater production. Offered each fall. Includes short tours and run out performances where appropriate. Auditioned in the previous spring. Prerequisite MUEP 356 (or consent of instructor). Repetition encouraged. (lin)

**MUEP 358. Jazz Combo. (1 Credit)**
Trios, quartets, quintets, vocal or instrumental; emphasis on improvisation. May be repeated. Prerequisite: Consent of the instructor. (lin)

**MUEP 371. Chamber Music. (0 to 1 Credits)**
Performance opportunities in a variety of traditional and non-traditional instrumental combinations and media. Attention is given to the preparation of selected works, with an emphasis on public performance. Any course may be repeated. (lin). (Section 1) 371-1. Strings. (Section 2) 371-2. Piano. (Section 3) 371-3. Winds. (Section 4) 371-4. Brass. (Section 5) 371-5. Percussion Ensemble. (Section 6) 371-6. Piano Ensemble. (Section 7) 371-7. Mixed Ensemble.

**MUEP 456. Advanced Scene Study. (1 Credit)**
Advanced acting and improvisation for the singing actor. This course will guide students in the development and performance of advanced operatic repertoire. Meets requirement for one credit of chamber music. Prerequisites: MUEP 356 and 357 (lin)
MUSIC INDIVIDUAL PERFORMANCE (MUIP)

MUIP 101. Private Lessons: Piano. (2 Credits)
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

MUIP 102. Private Lessons: Organ. (2 Credits)
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

MUIP 103. Private Lessons: Harpsichord. (2 Credits)
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

MUIP 104. Private Lessons: Voice. (2 Credits)
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

MUIP 105. Private Lessons: Violin. (2 Credits)
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

MUIP 106. Private Lessons: Viola. (2 Credits)
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

MUIP 107. Private Lessons: Cello. (2 Credits)
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

MUIP 108. Private Lessons: String Bass. (2 Credits)
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

MUIP 109. Private Lessons: Trumpet. (2 Credits)
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

MUIP 110. Private Lessons: Horn. (2 Credits)
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

MUIP 111. Private Lessons: Trombone. (2 Credits)
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

MUIP 112. Private Lessons: Euphonium. (2 Credits)
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

MUIP 113. Private Lessons: Tuba. (2 Credits)
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

MUIP 114. Private Lessons: Flute. (2 Credits)
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

MUIP 115. Private Lessons: Clarinet. (2 Credits)
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

MUIP 116. Private Lessons: Oboe. (2 Credits)
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

MUIP 117. Private Lessons: Bassoon. (2 Credits)
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

MUIP 118. Private Lessons: Saxophone. (2 Credits)
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

MUIP 119. Private Lessons: Harp. (2 Credits)
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

MUIP 120. Private Lessons: Percussion. (2 Credits)
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

MUIP 121. Private Lessons: Guitar. (2 Credits)
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

MUIP 122. Private Lessons: Jazz Guitar. (2 Credits)
For liberal arts students who are not music majors, or for music majors studying a secondary instrument in keyboard, voice, strings, or winds-percussion.

MUIP 131. Small Group Piano Lessons. (1 Credit)
An introductory course for students without extensive formal piano study and those returning to piano study after an extended absence. Reading of music notation, terms, and symbols; basic keyboard theory, exploration of diverse repertory. Does not satisfy requirements of any music major. Consent of instructor required to insure proper placement. May be repeated for credit.

MUIP 141. Small Group Voice Lessons. (1 Credit)
An introductory course for students without extensive vocal training. Reading of music notation, basics of tone production, song preparation and stage presence. Singers practice vocal exercises (warm ups), and learn assigned songs. May be repeated for credit.

MUIP 201. Private Lessons: Piano. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 202. Private Lessons: Organ. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 203. Private Lessons: Harpsichord. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.
MUIP 204. Private Lessons: Voice. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 205. Private Lessons: Violin. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 206. Private Lessons: Viola. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 207. Private Lessons: Cello. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 208. Private Lessons: String Bass. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 209. Private Lessons: Trumpet. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 210. Private Lessons: French Horn. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 211. Private Lessons: Trombone. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 212. Private Lessons: Euphonium. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 213. Private Lessons: Tuba. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 214. Private Lessons: Flute. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 215. Private Lessons: Clarinet. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 216. Private Lessons: Oboe. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 217. Private Lessons: Bassoon. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 218. Private Lessons: Saxophone. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 219. Private Lessons: Harp. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 220. Private Lessons: Percussion. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 221. Private Lessons: Guitar. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 222. Private Lessons: Jazz Guitar. (2 to 4 Credits)
Private Lessons for music majors only, in the first four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 223. Class Piano I. (2 Credits)
Limited to music majors with minimal or no keyboard background needing to meet basic piano proficiency requirements.

MUIP 224. Class Piano II. (2 Credits)
Continuation of Class Piano I. Prerequisite: MUIP 223 or proficiency.

MUIP 225. Class Piano III. (2 Credits)
Continuation of Class Piano II. Prerequisite: MUIP 224 or proficiency.

MUIP 226. Class Piano IV. (2 Credits)
Continuation of Class Piano III. Prerequisite: MUIP 225 or proficiency.

MUIP 227. Class Piano V. (2 Credits)
Designed for music majors with previous background in piano who need assistance to meet basic piano requirements. Particular emphasis on technical development through study of scales, arpeggios, and chords; study of harmonization, reading, and performance also included. Prerequisite: MUIP 226 or proficiency.

MUIP 328. Organ Improvisation. (2 Credits)
Private organ lessons focusing on the art of classical improvisation. May be repeated.

MUIP 394. Junior Recital. (0 Credits)
Presentation of a required degree recital as set forth in the Conservatory handbook. Required for the junior performance major. Graded pass/fail. Offered Fall and Spring with permission of instructor.

MUIP 401. Private Lessons: Piano. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 402. Private Lessons: Organ. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 403. Private Lessons: Harpsichord. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 404. Private Lessons: Voice. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 405. Private Lessons: Violin. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 406. Private Lessons: Viola. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 407. Private Lessons: Cello. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUIP 408. Private Lessons: String Bass. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.
MUJP 409. Private Lessons: Trumpet. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUJP 410. Private Lessons: French Horn. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUJP 411. Private Lessons: Trombone. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUJP 412. Private Lessons: Euphonium. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUJP 413. Private Lessons: Tuba. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUJP 414. Private Lessons: Flute. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUJP 415. Private Lessons: Clarinet. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUJP 416. Private Lessons: Oboe. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUJP 417. Private Lessons: Bassoon. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUJP 418. Private Lessons: Saxophone. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUJP 419. Private Lessons: Harp. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUJP 420. Private Lessons: Percussion. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUJP 421. Private Lessons: Guitar. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUJP 422. Private Lessons: Jazz Guitar. (2 to 4 Credits)
For upper division music majors only, in the final four semesters of study in keyboard, voice, strings, or winds-percussion.

MUJP 492. Half Senior Recital. (0 Credits)
Presentation of a required degree recital as set forth in the Conservatory handbook. Required for senior Music Education majors and Elective Studies majors. Graded pass/fail. Offered Fall and Spring with permission of instructor.

MUJP 494. Full Senior Recital. (0 Credits)
Presentation of a required degree recital as set forth in the Conservatory handbook. Required for senior performance majors and composition majors. Graded pass/fail. Offered Fall and Spring with permission of instructor.
MUSIC METHODS STUDIES (MUMS)

MUMS 101. Music Performance Seminar. (1 Credit)
This course is designed for students desiring thematic core credit for private lessons or large ensemble membership. The seminar invites students to examine the meaning of musical expression by way of a personal experience of the disciplines, practices, and techniques of musical performance, and how such musical expression relates to the Christian faith. Corequisite: The course runs concurrently with either private lessons in a specific instrument or membership in a large ensemble, together meeting the requirements of the Visual and Performing Arts thematic core. Instructor permission required. Cannot be repeated. Offered each semester, B Quad. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPAM.

Tags: VPAM

MUMS 114. Introduction to Music Studies. (1 Credit)
Proficiency-based instruction and study to improve eye/hand coordination of those students with rudimentary keyboard skills, with the goal of more efficient learning, maximization of practice time, and preparation for ensemble work.

MUMS 115. Intro to Music Studies. (2 Credits)
An introduction to the study of music at the collegiate level, including foundational philosophical issues, the role of general education within professional music studies and fundamental approaches to the sub-disciplines within music. Offered Fall Semester only. (lin)

MUMS 141. English & Italian Diction. (2 Credits)
The physiology of diction; introduction to the International Phonetic Alphabet; study of Italian and English symbols and rules, interrelating diction and vocal technique; relationship of diction to dramatic and poetic elements of song texts. (lin)

MUMS 201. Principles of Music and Worship Ministry I. (4 Credits)
Introduction to principles and skills in preparation for music and worship planning and leadership. Attention will be given to best practices that contribute to a healthy and vital music ministry and worshipping community, including Biblical and theological foundations of worship, and overviews of administrative, musical, and pastoral tasks. Attention is given to worship leadership practices that contribute to the spiritual formation of a worshipping community. Emphasis on contemporary worship and music practices.

MUMS 202. Principles of Music and Worship Ministry II. (4 Credits)
A continuation of MUMS 201, building upon principles and skills for worship planning and leadership with particular attention to working with church staff, congregational pastoral duties, educational duties working with all age groups, development of choral music programs, and administrative duties such as developing performance calendars, preparing music budgets, and maintaining music libraries. Emphasis upon a broader range of worship and music styles. Prerequisite: MUMS 201 or permission of the instructor.

MUMS 211. Keyboard Leadership. (2 Credits)
This course will provide competent keyboardists with the practical skills necessary to explore creative areas outside of classical music, in a worship setting. Prerequisite: Permission of instructor.

MUMS 243. Italian Grammar for Singers. (2 Credits)
Emphasis on basic Italian grammar and vocabulary required to read libretti and other song texts. May not be used to fulfill general education foreign language requirement. Prerequisite: MUMS 141. (lin)

MUMS 245. French & German Diction. (2 Credits)
French and German diction using the International Phonetic Alphabet; continuing emphasis on accurate vowel production, articulation, and diction to develop uniformity, and artistic shaping of words and phrases; relationship of these to appropriate vocal literature. (lin)

MUMS 248. Basic Conducting. (3 Credits)
The development of basic conducting skills and competencies necessary for conducting. Concurrent enrollment in MUMS 346 required. Prerequisite: MUTC 171 or consent of instructor. (lin)

MUMS 255. Principles of Pedagogy I. (2 Credits)
Introduction to the philosophical and psychological foundation of teaching music; practical considerations in teaching private and group lessons. Offered fall semester only.

MUMS 261. Feldenkrais for Musicians. (1 Credit)
An introduction to the Feldenkrais Method, using Awareness Through Movement lessons developed by Moshe Feldenkrais to encourage freedom of movement and efficient body alignment, and address non-productive movement patterns that interfere with the healthy execution of musical skills.

MUMS 301. Acoustic Recording Techniques. (3 Credits)
Practical exploration of acoustic music recording techniques in Armerding Recording Studio, including classical and pop/rock recording methods. Emphasis will be placed on making appropriate engineering and production choices for musical contexts, to include microphone selection and placement, organization of studio recording sessions, and the use of ProTools software.

MUMS 311. Choral Conducting. (3 Credits)
Development of advanced conducting skills with particular focus on conducting choral ensembles. Emphasis on development of rehearsal techniques and score study methods. Concurrent enrollment in MUMS 346 required. Prerequisite: MUMS 248. (lin)

MUMS 312. Instrumental Conducting. (3 Credits)
Development of advanced conducting skills with particular focus on conducting instrumental ensembles: orchestra and band. Emphasis on development of rehearsal techniques and score study methods. Concurrent enrollment in MUMS 346 required. Prerequisite: MUMS 248. (lin)

MUMS 313. Piano Accompaniment. (2 Credits)
Analysis and practice in the art of keyboard accompaniment, with attention to basic vocal and instrumental literature; sight reading, transposition, clefs, and score reading; matters of style and performance practices. By permission of instructor. Alternate years; offered fall in odd years. (lin)
MUMS 321. Principles of Pedagogy II. (1 or 2 Credits)
(Section 1) 321-1. Piano. Learning basic principles of teaching piano through the study of selected beginning and intermediate teaching materials and developing a working knowledge of those materials. Prerequisite: Achievement of freshman piano major level. (Section 2) 321-2. Voice. Teaching methods from scientific, artistic, and psychological viewpoints; a study of vocal technique. (Section 3) 321-3. Strings. Survey and critique of teaching materials for the violin, viola, and cello, from Leopold Mozart to the present day. Prerequisite: completion of one year of private study, or permission of instructor. (Section 4) 321-4. Brass. Survey and critique of teaching materials for brass instruments in the form of a tutorial. Unique sections will be offered for trumpet, horn, and low brass. (Section 5) 321-5. Percussion. Survey and critique of teaching materials for percussion instruments. (Section 6) 321-6. Woodwinds. Survey and critique of teaching materials for woodwinds in the form of a tutorial. Unique sections will be offered for flute, single reeds, and double reeds. (Section 7) 321-7. Guitar. Survey and critique of teaching materials for the guitar in the form of a tutorial. (lin)

MUMS 332. African Music Education Seminar. (2 Credits)
Focuses on aspects of specific African musical cultures and their integration with history, geography, and general culture of the African peoples. Cross-cultural issues are highlighted. Provides appropriate background studies for music students intending to travel to Africa. Concurrent enrollment in MUMS 332L required.

MUMS 332L. African Music Education Practicum. (1 Credit)
African Music Education Practicum. Provides opportunity for music students to experience African music and culture firsthand. Students will be primarily involved in cross-cultural exchanges in school contexts: public schools, slum schools, private schools, Christian schools, missionary schools, rural and urban contexts. By permission of the instructor. Graded pass/fail. Concurrent enrollment in MUMS 332 required.

MUMS 333. Music Outreach Practicum. (0 to 2 Credits)
Practical experience in music servant-leadership through teaching, directing, performing, or composing music to serve a specific constituency outside the Conservatory of Music. (lin)

MUMS 341. Instrumental Techniques. (1 or 2 Credits)
Instruction in the instruments of the band and orchestra in preparation for teaching elementary and secondary instrumental music. Methods of tone production. Development of technical facility and understanding of pedagogical principles involved. 341-1 High Strings (1 credit, A quad); 341-2 Low Strings (1 credit, B quad); 341-3 Woodwind (2 credits, lin); 341-4 Brass (2 credits, lin); 341-5 Percussion (2 credits, lin); 341-6 Guitar (1 credit, lin). Fees vary.

MUMS 342. Vocal Techniques. (1 Credit)
Techniques of vocal production, the function of the voice, and application of these concepts to choral singing; special emphasis on the training of young and maturing voices. Offered fall semester only. (lin)

MUMS 343. Piano & Vocal Techniques for Composers. (2 Credits)
A detailed study of piano and vocal writing, with special emphasis on practical applications through compositional projects. Primary focuses include performance techniques, poetry and text setting, notation, and development of the student's singing voice. Prerequisite: MUTC 122 or consent of instructor. Alternate years; offered fall in even years. (lin)

MUMS 344. Percussion Techniques for Composers. (2 Credits)
A survey of percussion instruments and basic performance techniques, notation issues, and percussion literature, with special emphasis on practical applications through compositional projects. Prerequisite: MUTC 122 or consent of instructor. Alternate years; offered fall in odd years. (lin)

MUMS 346. Conducting Lab. (0 Credits)
Provides students a music ensemble with which to practice their conducting skills with comments from the instructors. Required of students enrolled in Basic Conducting (MUMS 248), Choral Conducting (MUMS 311) or Instrumental Conducting (MUMS 312). Graded pass/fail. (lin)

MUMS 349. Organ Service Playing Techniques and Teaching. (3 Credits)
Musicanship for the church organist. Hymn-playing, accompanying, improvisation, conducting from the console, playing various liturgical and non-liturgical services, teaching organ. Required of Bachelor of Music organ majors; open to others by permission of instructor. Alternate years; offered fall in even years. (lin)

MUMS 355. Group Pedagogy. (3 Credits)
Adaptation of music methods and materials for age-specific and instrument-specific group classes of music students. Group dynamics and management techniques are explored. Prerequisites: MUMS 255 or by approval. Alternate years; offered spring in odd years (lin)

MUMS 356. Studio Administration. (2 Credits)
Organization, facilities and business procedures for setting up a private music studio; strategies for promotion, recruitment, and retention of students, portfolio development, personal ethics and professional growth. Prerequisite: MUMS 255 or by approval. Alternate years; offered spring in even years.

MUMS 372. Principles of Pedagogy: Suzuki I. (2 Credits)
A study and application of the philosophies of teaching and playing the violin/viola using the Suzuki Method in its foundational level (this satisfies Suzuki Association of America’s level 1A). Suzuki Literature Book One will be memorized, performed, and analyzed for teaching points. Alternate years; offered fall in even years. (lin)

MUMS 373. Principles of Pedagogy: Suzuki II. (2 Credits)
A study of violin and viola pedagogy and related topics building on the foundation of Pedagogy I (MUMS 372), a prerequisite. Suzuki Literature Book Two will be memorized, performed, and analyzed for teaching points. Alternate years; offered spring in odd years. Prerequisite: MUMS 372. (lin)

MUMS 385. Applied Pedagogy I. (2 Credits)
The culmination of the pedagogy track in which students will be mentored by an experienced teacher in an internship relationship. Students will be responsible for teaching other non-college-age students, observing their mentor-teacher, and consulting weekly. Prerequisites: MUMS 255 and MUMS 321 or 372. Offered fall semester only. (lin)

MUMS 411. Music In Special Education. (2 Credits)
Addresses the instructional needs and characteristics of students with disabilities that are in today's classrooms; an overview of the legal basis for special education students in the classroom; aspects of writing special education lesson plans and Individualized Educational Plans (IEP); and the multidisciplinary approach to teaching in special education. Alternate years; offered spring in even years.
MUMS 421. Honors Conducting. (0 to 1 Credits)
For students who demonstrate a superior skill in conducting; by permission of choral or instrumental large ensemble director. Study, rehearse, and conduct music under supervision of large ensemble director. By permission of the instructor. Prerequisites: MUMS 311 or 312.

MUMS 455. Applied Pedagogy II. (2 Credits)
A continuation and extension of Applied Pedagogy I. Prerequisites: MUMS 255, 321, 385. Offered spring semester only. (lin)

MUMS 471. Choral Methods. (2 Credits)
Organization of instruction in choral music for the junior and senior high school. Methods of tone production and development; classification and placement of singers; style, interpretation, balance, blend, rehearsal procedures, and ensemble management. Concurrent enrollment in MUMS 471L required. (lin)

MUMS 471L. Choral Methods Practicum. (1 Credit)
A teacher-aiding experience in a local school during the semester. Concurrent with MUMS 471. Graded pass/fail. (lin)

MUMS 472. Instrumental Methods. (2 Credits)
Organization of instruction in school instrumental music. Recruitment and teaching techniques, administrative responsibilities, and instructional materials for orchestra, concert and marching bands, and jazz band. Concurrent enrollment in MUMS 472L required. (lin)

MUMS 472L. Instrumental Methods Practicum. (1 Credit)
A teacher-aiding experience in a local school during the semester. Concurrent with MUMS 472. Graded pass/fail. (lin)

MUMS 473. Elementary School Music. (2 Credits)
Methods and materials for teaching general music from kindergarten through middle school. Integration of Orff, Kodaly, and Dalcroze concepts and techniques. Skills in recorder playing and Orff instruments. Study of curriculum, lesson planning, and evaluation. Concurrent enrollment in MUMS 473L required. Prerequisites: MUTC 171, MUCS 101 or equivalent. (lin)

MUMS 473L. Elementary School Music Practicum. (1 Credit)
A teaching experience in a local school during the semester. Concurrent with MUMS 473. Graded pass/fail. (lin)

MUMS 485. Opera Mainstage Honors Directing. (2 Credits)
Assistant directing and/or production management for Opera Mainstage (MUEP 357) or scene directing for Opera Workshop (MUEP 356). Offered each semester, by consent of instructor. Meets one semester of large ensemble credit. Repetition encouraged. (lin)

MUMS 495. Directed Study. (1 to 4 Credits)
Directed Study. (Fees vary) (lin)

MUMS 496. Internship. (2 to 4 Credits)
Prerequisites: Junior classification and permission of the Conservatory Director of Music Education. Elective Studies majors must have completed 18 hours of their elective concentration. Graded pass/fail. May be repeated. (lin)
MUSIC THEORY (MUTC)

MUTC 101. Introduction to Music: Reading, Writing, and Analysis. (2 Credits)
This course introduces students to fundamental concepts such as notation, rhythm, meter, timbre, pitch, scales, keys, intervals, and chords. This is achieved through the formal study of music theory; critical listening (including non-Western, popular, folk, and Western classical genres); engaging reading about faith, culture and race as it relates to music; and music composition. In this course, the student will learn listening strategies, methods of musical criticism, the nature and significance of personal creativity, the various roles that music can play in the life of the individual Christian, the church and culture. NOTE: This course does not fulfill the entire VPA theme and covers only the domain of VPAM.
Tags: VPAM

MUTC 111. Music Notation. (2 Credits)
Introduction to the principles of traditional music notation. Participants are taught to notate music accurately and neatly both by hand and using Finale notation software. Prerequisite: The ability to read music. Offered fall semester only. (lin)

MUTC 122. Introduction to Composition. (2 Credits)
Examination of fundamental practical, spiritual, and philosophical issues relating to music composition. Participants study the basic elements of compositional craftsmanship, including melodic construction, harmonic progression, texture, developmental techniques, formal organization, instrumentation, and notation. Additional topics include the nature and significance of personal creativity, the functions of music in society and the church, measures of artistic quality, musical meaning, musical style, the creative process, and composition as a career. Participants will complete a number of short composition exercises, followed by a complete composition of moderate length. Prerequisite: MUTC 111 or consent of instructor. Offered spring semester only. (lin)

MUTC 151. Music Theory I. (3 Credits)
Diatonic harmony in repertoire from the Common Practice Period. Topics include intervals, species counterpoint, diatonic triads, diatonic seventh chords, harmonic analysis, voice leading, and non-chord tones. Prerequisite: Passing grade on music fundamentals exam, grade of C or higher in MUTC 101, or consent of instructor. Offered fall semester only. (lin)

MUTC 152. Aural Skills I. (1 Credit)
Development of analytical listening abilities and practical musicianship skills. Emphases include treble-, bass-, and alto-clef sight-reading, rhythm recitation, melodic dictation, and diatonic excerpts in conventional meters. Prerequisite: Passing grade on music fundamentals exam, grade of C or higher in MUTC 101, or consent of instructor. Offered fall semester only. (lin)

MUTC 171. Music Theory II. (3 Credits)
Chromatic harmony in repertoire from the Common Practice Period. Topics include secondary-function chords, tonicizations, modulations, modal mixture, Neapolitan chords, augmented sixth chords, and enharmonicism. Prerequisite: Minimum grade of C in MUTC 151 or consent of instructor. Offered spring semester only. (lin)

MUTC 172. Aural Skills II. (1 Credit)
Continued development of analytical listening abilities and practical musicianship skills. Emphases include treble-, bass-, and alto-clef sight-reading, rhythm recitation, rhythmic dictation, and melodic dictation using diatonic excerpts in conventional meters. Prerequisite: Minimum grade of C in MUTC 152. (lin)

MUTC 231. Composition I. (2 Credits)
Continued emphasis on the basic elements of compositional craftsmanship, including pitch and rhythmic organization, melodic construction, harmonic progression, texture, developmental techniques, formal organization, instrumentation, and notation. Participants will complete a number of short composition exercises, followed by a complete composition of moderate length. Prerequisite: MUTC 122 or consent of instructor. Offered fall semester only. (lin)

MUTC 232. Composition II. (2 Credits)
Continued emphasis on the basic elements of compositional craftsmanship, including pitch and rhythmic organization, melodic construction, harmonic progression, texture, developmental techniques, formal organization, instrumentation, and notation. Assignments are related to the interests and needs of the individual student. Prerequisite: MUTC 231 or consent of instructor. Offered spring semester only. (lin)

MUTC 233. Digital Music Technology I. (2 Credits)
Exploration of the Digital Audio Workstation, including MIDI sequencing, audio recording, sampling, and sound design. Emphasis is placed on using technology in a musical way. Offered fall semester only. (lin)

MUTC 241. Music Theory III. (2 Credits)
Large-scale form in repertoire from the Common Practice Period. Topics include phrase structure, binary forms, ternary forms, variation forms, rondo forms, sonata forms, vocal forms, and fugues. Prerequisite: Minimum grade of C in MUTC 171 or consent of instructor. Offered fall semester only. (lin)

MUTC 251. Music Theory III. (3 Credits)
(for catalogs before 2011) Provides a detailed examination of musical vocabularies of the late 19th century to the present. Extensions of tonality, new developments in rhythm, atonality and serialism, set theory, notational innovations, assumptions and practices of the avant-garde. (lin)

MUTC 252. Aural Skills III. (1 Credit)
Continued development of analytical listening abilities and practical musicianship skills. Emphases include treble-, bass-, alto-, and tenor-clef sight-reading, rhythm recitation, rhythmic dictation, melodic dictation, harmonic dictation, and formal analysis using lightly chromatic excerpts in conventional meters. Prerequisite: Minimum grade of C in MUTC 172 or consent of instructor. Offered fall semester only. (lin)

MUTC 261. Music Theory IV. (3 Credits)
Analysis of twentieth-century and contemporary music. Topics include impressionism, atonality, pitch-class set theory, serialism, and indeterminacy, as well as various developments in rhythm, melody, harmony, timbre, texture, form, and notation. Prerequisite: Minimum grade of C in MUTC 171 or consent of instructor. Offered spring semester only. (lin)
MUTC 272. Aural Skills IV. (1 Credit)
Continued development of analytical listening abilities and practical musicianship skills. Emphases include treble-, bass-, alto-, and tenor-clef sight-singing, rhythm recitation, rhythmic dictation, melodic dictation, harmonic dictation, and formal analysis using highly chromatic and modulating excerpts in conventional meters. Prerequisite: Minimum grade of C in MUTC 252 or consent of instructor. Offered spring semester only. (lin)

MUTC 331. Intermediate Composition. (2 Credits)
Private 60-minute composition lessons. Assignments are related to the interests and needs of the individual student, and students are expected to spend a minimum of 6 hours per week on composition. Prerequisite: MUTC 232 or consent of instructor. May be repeated for credit. (lin)

MUTC 333. Digital Music Technology II. (2 Credits)
Continued exploration of the Digital Audio Workstation with a focus on ways of creatively using technology for original electro-acoustic composition. Prerequisite: MUTC 233 or consent of instructor. Offered spring semester only. (lin)

MUTC 343. Jazz Theory. (2 Credits)
Practical studies of extended chords, voicings, progressions, melodic and rhythmic development, and formal structures, with application to composition and improvisation in jazz styles. Prerequisite: MUTC 171 or consent of instructor. Offered spring semester only.

MUTC 353. Modal Counterpoint. (2 Credits)
Analysis and composition in the sixteenth-century contrapuntal style. Prereq: Minimum grade of C in MUTC 241 or consent of instructor. Alternate years; offered spring in odd years. (lin)

MUTC 354. Tonal Counterpoint. (2 Credits)
Analysis and composition in the eighteenth-century contrapuntal style. Prereq: Minimum grade of C in MUTC 241 or consent of instructor. Alternate years; offered spring in even years. (lin)

MUTC 355. Orchestration. (2 Credits)
A study of instrumentation, orchestration, and score analysis, including scoring and transcribing for various large and small ensembles. Prerequisite: MUTC 171 or consent of instructor. Offered fall semester only. (lin)

MUTC 356. Arranging. (2 Credits)
Melodic and textural variation, harmonic substitution, and modulatory techniques, with exercises in a variety of styles and genres. Alternate years; offered spring in odd years. Prerequisite: MUTC 171 or consent of instructor. (lin)

MUTC 364. The Improvising Musician. (2 Credits)
A practical introduction to improvisational techniques in a variety of styles and genres, including an exploration of the theological, psychological, and musical foundations of improvisation. Prerequisite: MUTC 171 or consent of instructor. Offered spring semester only. (lin)

MUTC 389. Special Topics in Music Theory. (2 Credits)
Exploration of an advanced music theory or analysis topic. Subjects change on a yearly basis. Prerequisite: MUTC 171 or consent of instructor. Offered spring semester only.

MUTC 451. Advanced Composition. (3 Credits)
Private 60-minute composition lessons. Assignments are related to the interests and needs of the individual student, and students are expected to spend a minimum of 9 hours per week on composition. Prerequisite: Two semesters of MUTC 331 or consent of instructor. May be repeated for credit. (lin)

MUTC 495. Directed Study. (1 to 4 Credits)
Independent study in music theory, aural skills, composition, or a related field. (Fees vary) (lin)
NEUROSCIENCE (NEUR)

NEUR 241. Foundations of Neuroscience. (4 Credits)
This course is an overview of the basic structure and function of the nervous system. Emphasis is placed on divisions of the nervous system, neural development, cellular and molecular systems and neurophysiology. Two lectures, three hours laboratory. Lab fee.
Tags: SIP, SP

NEUR 369. Neuroscience Collaborative Research. (2 Credits)
A junior/senior level course where students would participate in laboratory research under the direction of a faculty advisor. Prerequisite: Either PSYC 269, BIOL 252, AHS 271 or consent of instructor.

NEUR 385. Special Topics in Neuroscience. (2 Credits)
Seminars or courses in special areas offered at discretion of the program. Prerequisites: NEUR 241 or BIOL 336 or consent of the instructor.

NEUR 386. Special Topics in Neuroscience. (4 Credits)
Seminars or courses in special areas offered at discretion of the program. Prerequisites: NEUR 241 or BIOL 336 or consent of the instructor.

NEUR 494. Neuroscience Capstone. (2 Credits)
A junior/senior level course with an interdisciplinary research component is developed as the culmination of the minor. Students will develop a research study using tools from multiple disciplines to answer a question related to the field of neuroscience. Prerequisite NEUR 369.

NEUR 495. Independent Study in Neuroscience. (1 to 4 Credits)
Individual library or experimental research carried on under the supervision of a faculty member approved by the Neuroscience Program Coordinator.
OUTDOOR ADVENTURE LEADERSHIP-MA (OAL)

OAL 515. Camp Ministry in Global Context. (4 Credits)
This course explores the theory and practice of doing ministry in diverse cultural contexts in the United States and globally. Students cultivate active cultural sensitivity through tools that include taking an inventory, conducting an ethnographic study, and partnering with a Christian camp ministry from a different geo-cultural context.

OAL 525. Camp Ministry-Global Context. (4 Credits)
This course explores the theory and practice of doing ministry in diverse cultural contexts in the United States and globally. Students cultivate active cultural sensitivity through tools that include taking an inventory, conducting an ethnographic study, and partnering with a Christian camp ministry from a different geo-cultural context.

OAL 534. Care and Counsel in Ministry. (2 Credits)
An introduction to the basic concepts and skills involved in care and counsel within experiential and other Christian formation ministry contexts including an overview of the historic ministry of soul care, biblical foundations for care in ministry, major categories of human suffering, and rudimentary person-to-person helping skills. This course is designed to enable those in camp ministry to help individuals and families understand and deal with contemporary issues—e.g., divorce, grief, suicide, conflict, etc.

OAL 548. Program Planning and Leadership. (2 Credits)
this course studies the process of developing outdoor and adventure based programs which will align with the mission, vision and values of an organization and serve the identified target groups in a meaningful way. As part of this course, students will build on their philosophy of ministry by developing, implementing and evaluating programs in real ministry settings.

OAL 564. Challenge Course Leadership. (4 Credits)
This course applies theories and principles of leadership, spiritual development and experiential education to challenge programming specifically utilizing ropes courses, team initiatives, climbing, and other outdoor adventure activities. Students will apply learning by developing, leading and evaluating short term (1/2-day to 3-day) adventure education experiences for a variety of groups. This course is offered as an intensive at HoneyRock. Prerequisite: OAL 661.

OAL 565. Temporary Communities and the Church. (4 Credits)
This course explores the mission and nature of the Church and how the temporary system can serve its renewal and development. Students examine historical and theological expressions for the church, including the church/parachurch dynamic. They study biblical principles and the practices of renewal, hospitality, and service.

OAL 661. Foundations of Experiential Education. (4 Credits)
This course introduces the principles and practices of experiential education in outdoor settings. Students will apply principles of experiential learning, spiritual development and leadership to outdoor programs utilizing group processes, adventure courses, and a wilderness expedition.

OAL 662. Theology and Practice of Outdoor Ministry. (4 Credits)
This course is the foundational overview of the Outdoor Adventure Leadership Concentration of the Wheaton Graduate School. It is designed to equip students personally, spiritually and communally for a life of leadership and ministry in outdoor related ministries by helping students to develop personal vision, ministry skills, interpersonal competence, and a ministry philosophy. This course is offered in a modular format at HoneyRock.

OAL 663. Organizational Leadership and Staff Development in Outdoor Ministry. (4 Credits)
The outdoor and adventure ministry context is an excellent laboratory for equipping leaders for the church and society worldwide. This course is designed to help students develop principles and competencies to enhance their own leadership practice and to cultivate an approach to ministry that facilitates leadership development in those who serve and are served in the adventure ministry setting. Additionally, students will learn principles for effective organizational leadership. Students will design and evaluate leadership development programs in an outdoor ministry setting as part of this course. Offered in a modular format at HoneyRock.

OAL 664. Wilderness Programming and Leadership. (4 Credits)
This course emphasizes the uniqueness of the wilderness classroom and teaches students to utilize extensive wilderness expeditions to draw others to Christ and develop them into whole and effective people. The course covers program models and planning processes, various outdoor and leadership skills needed for wilderness ministry, and how God uses silence, creation, and group problem-solving to develop disciples. It is offered almost entirely in the wilderness classroom and as an extended expedition during multiple times and at multiple sites each year. This course is offered through HoneyRock.

OAL 668. Integrative Seminar. (0 Credits)
Integrates the various courses of the program into a unified whole. The Integrative Seminar fosters reflection on the academic, spiritual, and practical aspects of the degree while also assisting in plans for future growth and development in these areas. Includes a summative case study evaluation. Prerequisite: All core courses must be completed or in process.

OAL 692. Creative Project. (2 Credits)
Prerequisite: Department approval of student’s Final Project proposal.

OAL 698. Thesis/Applied Thesis. (2 Credits)
Prerequisite: Dept. approval of student’s Final Project Proposal.
PEACE & CONFLICT STUDIES (PACS)

PACS 201. Introduction to Peace and Conflict. (4 Credits)
This is the introductory course for the Peace and Conflict Studies certificate program. This interdisciplinary survey course will employ different perspectives and methodological approaches in order to understand the nature and sources of conflict, violence, and suffering; different meanings of "peace"; the processes, challenges, and trade-offs to establishing peace, justice, and reconciliation; and the Christian call to be makers of peace.
Tags: DUS, SI

PACS 494. Senior Seminar in Peace and Conflict Studies: Peace, Reconciliation, and Justice. (2 Credits)
This two-hour course will explore the prospects for peace and reconciliation given the fact of violence. The course will consider various ideals of justice, various methods of peacebuilding, and limitations associated with methods and movements for peace, reconciliation, and justice. The extent and efficacy of religion and religionists in peace, reconciliation and justice efforts will be considered, as well secular humanist approaches to peace, reconciliation and justice. Since students from the Community Transformation concentration and from the Global Justice concentration will coalesce in this course, students will debate the strengths and weaknesses of various units of analysis and of various disciplinary and methodological approaches to conflict resolution and peace building.

PACS 496. Internship. (4 Credits)
Allow students with opportunities to apply theoretical and theological knowledge by engaging in strategic peacebuilding, conflict resolution and conflict management in a variety of contexts to organizations. In addition, internships provide valuable insight into careers related to peace building and conflict management. Exploration of faith and vocation is a crucial component.
PHILOSOPHY (PHIL)

PHIL 101. Introduction to Philosophy. (4 Credits)
Most college age students have heard the names of Plato, Aristotle, Aquinas, Descartes, Kant, and Nietzsche, among many other famous philosophers. This first course in philosophy introduces students to the nature of philosophy, some of its major figures, and some of philosophy’s central areas of concern, especially those of metaphysics, epistemology, and ethics. Students learn about philosophical method and argument, and how to articulate and defend their own philosophical judgments.

Tags: PI

PHIL 103. Philosophy and Scientific Inquiry. (4 Credits)
What can philosophy contribute to the sciences and the sciences to philosophy? This course explores the interplay between these two disciplines. We approach these questions through the lens of the history of philosophy as it interacts with the emergence of the sciences as a distinctive form of inquiry. Each arises from the common human impulse to offer an account of the world of experience. The development of philosophy reveals a dynamic synergy between these disciplines, one that bears upon the substance of the claims forwarded by each. Exploring this synergy reveals a common strategy for discerning the underlying, often hidden, nature of the world in which we live. This shared approach to inquiry produces a unified project of trying to explain the whole of reality.

Tags: PI, SIP

PHIL 105. Race & Justice. (4 Credits)
An introduction to philosophy and racial diversity in the United States, focusing on justice and African Americans. Topics include conceptions of justice, what it is like to be part of a minority race, individual and structural racism, whiteness, affirmative action, ethical theory, and the concept of race.

Tags: DUS, PI

PHIL 205. Ethics & Society. (4 Credits)
How do I know if an action is right or wrong, and how can I explain my judgment to others and defend it against criticisms? What is my role as a Christian citizen in seeking to influence my society about moral matters of importance to all? What is the common good and how do we promote it? How should we understand the controversial issues of sexuality, property, economic and gender justice, legislating morality, capital punishment, drugs, euthanasia, abortion, the needy, and the environment? How should our nation deal ethically with other nations and their citizens? This course will engage students in critical thinking about important issues in the application of ethics to social issues.

Tags: PI

PHIL 206. Philosophy and Spiritual Formation. (4 Credits)
An introduction to philosophical, anthropological, and sociological topics relevant to spiritual formation. All Christians are faced with a perennial set of questions related to their development as citizens of God’s kingdom. This course aims to provide the resources (both philosophical and social scientific) to help students begin developing answers to questions pertaining to becoming a virtuous person, living the good life, forming an identity, belonging to a community, maintaining Christian beliefs, and determine what practices are appropriate manifestations of such beliefs.

Tags: PI, SI

PHIL 216. Philosophy of the Arts. (2 Credits)
Examines philosophical issues in the arts, such as the nature of creativity, the categories of "art" versus "non-art" and "high" versus "low" art, the responsibility of the artist to the community, the role of art in society, and the relationships between art and religion.

PHIL 217. Philosophy of Art. (4 Credits)
This course provides an introduction to some of the core questions in the philosophy of art. Questions covered include: What counts as art? How do we decide which cultural objects are, and are not artworks? Why should we care about art? Does art have the capacity to reveal non-trivial truths about the world? And, are different art forms valuable for different reasons? In addition to these more traditional questions, we will spend the last few weeks of the semester considering what attitude - if any - Christianity encourages toward art. In the process of asking these questions, the course will require that students engage substantively with a number of different art forms, including music, painting, and theater.

Note: This course does not fulfill the entire VPA theme and covers only the domain of visual arts.

Tags: PI, VPAI

PHIL 222. Souls & Brains. (4 Credits)
Given what we now know about the brain thanks to advances in neuroscience, should we still believe in souls? How should contemporary research on the brain inform our thinking about consciousness, the emotions, freedom, morality, religious experiences, the afterlife, and thinking itself? This introductory philosophy course explores these questions and others like them, guided both by classic philosophical readings and by contributions from various biological and psychological subfields.

Tags: PI, SIP

PHIL 226. Asian Philosophy. (2 Credits)
Philosophical traditions in the East have developed simultaneously with those in the West, albeit until recently with little demonstrable influence on one another. Philosophical systems arising within Hinduism, Buddhism, and Confucianism represent fascinating alternatives to those associated with the Hellenic, Roman, and Christian worlds. In this course we will study philosophies of the East, paying close attention to their roots in the corresponding religious systems of Asia and their ongoing relationship to those traditions. We will view them in the comparative light of both Western philosophical thought and the Hebrew-Christian religious tradition.

PHIL 227. Asian Philosophy. (4 Credits)
Philosophical systems arising within Hinduism, Buddhism, and Confucianism represent fascinating alternatives to those associated with the Hellenic, Roman, and Christian worlds. This course will involve substantive engagement with the primary philosophies of the East, paying close attention to their roots in the corresponding religious systems of Asia and their ongoing relationship to those traditions. In the spirit of "all truth is God's truth," we will view them in the comparative light of both Western philosophical thought and the Hebrew-Christian religious tradition.

Tags: GP, PI

PHIL 241. Suffering. (4 Credits)
"If God were good, He would wish to make His creatures perfectly happy, and if God were almighty, He would be able to do what He wished. But the creatures are not happy. Therefore God lacks either goodness, or power, or both." That, C.S. Lewis writes, "is the problem of pain, in its simplest form." This course addresses that problem, using Lewis’ Problem of Pain as our stepping off point and then enriching our theological and philosophical horizons through readings from, e.g., Rudolph Otto, J. L. Mackie, Alvin Plantinga, Roderick Chisholm, William Rowe, and Marilyn McCord Adams.

Tags: PI
PHIL 243. Intro To Logic. (2 Credits)
This course teaches students to identify, analyze, and assess the sorts of arguments one encounters in philosophical texts and in everyday life, such as op-ed pieces, policy papers, and political writing. The course places special emphasis on constructing and refining arguments in order to draw appropriate conclusions in support of one's own beliefs. Classical syllogistic arguments and other formal argument structures receive attention, as do the common fallacies of reasoning. This is an excellent course to enhance your critical thinking and writing abilities.

PHIL 244. Symbolic Logic. (2 Credits)
This sequel to PHIL 243 focuses on the form or structure of valid deductive arguments, and the simple and compound sentences that form them. It analyzes the rules of deductive inference, replacement rules, and how to translate ordinary English sentences into their symbolic equivalent. Proving the validity or invalidity of arguments in Sentential Logic, Predicate Logic, and Quantified Predicate Logic comprises a major portion of the course. Like math courses, this class has problems and proofs that students will work through in class and as homework. Prerequisite: PHIL 243 or permission of instructor.

PHIL 245. Logic. (4 Credits)
An introduction to both informal and formal logic, with attention to developing the skills necessary for describing and analyzing the phenomena and information and ideas students will invariably confront. The course seeks to develop a keen number sense along with the mathematical skills of analysis in concert with critical reading and writing. Direct application is made to both philosophical and theological areas of inquiry. (Students registering for PHIL 243 will take the first quad of this course).

Tags: AAQR

PHIL 247. Philosophic Topics with Contemporary Relevance. (2 Credits)
A study of a contemporary topic or issue in philosophy. Suitable for non-majors. (This course does not fulfill the PI tag.) Topics include: Death and the Meaning of Life, Emotions, Religious Experience, Love & Friendship, Philosophy of Gender.

PHIL 248. Philosophic Topics with Contemporary Relevance. (4 Credits)
A study of a contemporary topic or issue in philosophy. Suitable for non-majors. (This course does not fulfill the PI tag.) Topics include: Love & Friendship, Philosophy of Gender, Philosophy of Film.

PHIL 251. Global Justice. (4 Credits)
People around the world suffer hunger, oppression, from poor health, and many other causes. Is this merely misfortune or is it injustice? We will consider the main issues of global justice, such as whether one can speak of justice in a global context rather than simply within societies, the role of international human rights, the proper response to global economic inequalities, the morality of international conflict, and international environmental justice.

Tags: GP PI

PHIL 255. Existentialism. (4 Credits)
This course provides an introduction to existentialism through the writings of thinkers like Soren Kierkegaard, Fyodor Dostoevsky, Friedrich Nietzsche, Jean-Paul Sartre, and Albert Camus. In keeping with the movement itself, this course is heavily interdisciplinary, including both literary and philosophical texts, and thinkers from both the Christian and the atheistic intellectual traditions. Topics covered include: the nature of human freedom and creativity, the relation of religion to morality, and the meaning of existence.

Tags: LE, PI

PHIL 257. Gender and Being Human. (4 Credits)
The feminist movement has been among the most significant intellectual and cultural movements in the United States in the last century, and the last several decades have seen the conversations re-ignited with new questions about the nature of gender more broadly. This course will focus on classic philosophical questions about the nature of human beings, with specific focus on the relevance of various answers to our understanding of gender. We will read both classic philosophical texts and contemporary feminist and gender theorists. We will look particularly at the history of how feminism has developed in the United States since the Seneca Falls Convention and how it has contributed to more recent discussions of gender, but we will do so in explicit dialogue with perennial philosophical debates about what it means to be human.

Tags: DUS, PI

PHIL 281. Philosophy & Postmodernity. (2 Credits)
People often think there is something called "postmodernism." There isn't. Instead, there are various postmodern thinkers, some of whom turn out to be people with a deep Christian faith. In this course, we read some of the (in)famous figures, such as Jacques Derrida and Richard Rorty. But we will also read the Jewish thinker Emmanuel Levinas and Jean-Luc Marion and Jean-Louis Chrétien, who are deeply Christian in their thinking and have radically changed the philosophical landscape. Prerequisite: PI course

PHIL 304. Bioethics. (4 Credits)
An interdisciplinary consideration of ethical issues in the biological and health sciences with an emphasis on those related to medicine, such as genetic engineering, end of life issues, autonomy, infanticide, abortion, human experimentation, cloning, and the relevance of social and economic variables in medical care.

Tags: PI, SIP

PHIL 311. History of Philosophy: Ancient & Medieval. (4 Credits)
Ancient and medieval philosophers often worked to cultivate a deep sense of gratitude for that which they had inherited and out of which they built, while also being creative thinkers in their own rights. This course looks at a few of the major thinkers and texts from the nearly 2000 year period stretching from the beginnings of Western philosophy in 585 BC to the opening years of the European Renaissance. It traces common problems and themes that receive ongoing attention throughout this period, such as: the problems of the one and the many, the nature of the cosmos, the existence of God, the relationship between faith and reason, the problem of universals, the nature of the soul, and others. Prerequisite: PI course or permission of instructor.

PHIL 312. History of Philosophy: Modern & Contemporary. (4 Credits)
This course, like PHIL 311, is dedicated to an overview of Western philosophy. In this semester, we look at modern and contemporary philosophy, beginning with the Renaissance rejection of scholasticism, moving through 17th and 18th century rationalists and empiricists, the Kantian synthesis, 19th century responses to Kant, and several major 20th century schools, including phenomenology, logical positivism, analytic philosophy, and pragmatism. Prerequisite: PI course or permission of instructor.
PHIL 315. Philosophy of Religion. (4 Credits)
Is there a God, and if so, what is he like? Can God's existence be established by philosophical argument? These are among Western philosophy's oldest questions. The philosophy of religion course explores philosophical concerns arising out of theism in general and Christian theism in particular. Topics include: the reasonableness of belief in God, God's nature, the problem of suffering, the problem of divine foreknowledge and human freedom, religious experience, religious pluralism, and more. Course readings touch mainly on contemporary authors, though students also read many historically important figures.

Tags: PI

PHIL 318. Philosophy of Law. (2 Credits)
What is law? What separates law from mere orders backed by threats? Ought judges to "make" law, or only to interpret it? Is punishment justified, and if so, for what purpose? When should people be held responsible for their actions? What rights should defendants have? What goals of justice should the law serve? Are ordinary moral obligations suspended for the lawyer in performance of his or her duties? These are a few of the questions arising out of the attempt to understand the nature and role of law and legal systems in society.

PHIL 319. Political Philosophy. (2 Credits)
Examines some of the major issues and concepts in political philosophy, including political authority, freedom and coercion, civil disobedience, and justice, as construed in the liberal, Marxist, communitarian, and feminist traditions.

PHIL 328. Business Ethics. (2 Credits)
Corporations and the economy in the US and elsewhere are reeling from the effects of an unprecedented series of moral scandals. What ethical guidelines must be put in place to reestablish confidence in the integrity of business? Some of the questions are: is it ethical to pay bribes in foreign countries, or to go along with their treatment of people when those ways are seen as unjust in our society? What are the ethical obligations of truth telling in the context of business negotiations or advertising? What rights do employees have, and how can businesses best respect these rights? What is the proper place of capitalistic institutions in a just society? What is 'fair treatment' for women and minorities in business? In this course, we will have a brief survey of basic ethical concepts and general moral theory, and then discuss a variety of ethical issues that arise in the areas of business and work. The general orientation will be towards an integration of the theoretical with the practical. Taught jointly with the Business Economics and Philosophy Departments. Prerequisite: ECON 211.

PHIL 331. Science & Christian Belief. (4 Credits)
This course looks at the nature of scientific reasoning, and how philosophers of science answer questions of knowledge and reality, with specific interest in the post-positivist, post-modern critiques of scientific presumption to knowledge. Special attention is devoted to the sometimes-troubled relationship between science and Christian belief, as these arise from contemporary accounts of the origins of the cosmos and evolutionary theory. This is an excellent course for science majors and philosophy double majors, though it does not presume any specific knowledge or even competency in the sciences. Prerequisite: PI course.

PHIL 341. Nature Of Persons. (4 Credits)
Starting with P.F. Strawson's seminal work on the reactive attitudes, this course explores what it means to be a created person by working through various interpretations and crucial questions concerning our reactive attitudes (e.g., Is distinctively human life possible without these attitudes? Should we quench our retributive attitudes?), which prompts us to follow Harry Frankfurt in posing questions about the structure of created personhood, and then leads us to conclude the course with questions from Charles Taylor and Richard Rorty about the world of persons. Additional readings from, e.g., Gary Watson, Nietzsche, Rawls, Dennett, and Camus.

PHIL 347. Topics in Philosophy. (2 Credits)
A study of a contemporary philosopher or philosophical development of cross-disciplinary importance. Suitable for non-majors who have already taken a PI course. Topics include: Feminist Theory, Religious Epistemology, Language and Thought.

PHIL 348. Topics in Philosophy. (4 Credits)
A study of a contemporary philosopher or philosophical development of cross-disciplinary importance. Suitable for non-majors who have already taken a PI course. Topics include: Feminist Theory, Religious Epistemology, Language and Thought.

PHIL 349. Christian Political Thought. (4 Credits)
See PSCI 349.

PHIL 365. Classical and Medieval Political Thought. (4 Credits)
See PSCI 365.

PHIL 366. Modern Political Thought. (4 Credits)
See PSCI 366.

PHIL 447. Advanced Topics in Philosophy. (2 Credits)
A study of the debates and discussion in a significant area of contemporary philosophy. Suitable for philosophy majors or those having taken at least one semester of the history of philosophy (PHIL 311, 312). Topics include: Virtue Ethics, Philosophy of Mind, Free Will/Determinism, Contemporary Ethics. Prerequisite: PHIL 311 or 312.
PHIL 448. Advanced Topics in Philosophy. (4 Credits)
A study of the debates and discussion in a significant area of contemporary philosophy. Suitable for philosophy majors or those having taken at least one semester of the history of philosophy Prerequisite: PHIL 311 or 312. Topics include: 448-1. (Section 1) "Epistemology." Surely, among the most distinctive features of humans are their cognitive powers and the knowledge they make possible: historical, empirical, apriori, interpersonal, moral, and religious knowledge, among others. Epistemology, or the theory of knowledge, explores knowledge and related intellectual goods such as understanding, rationality, and experiential acquaintance. It investigates human intellectual powers, the extent of their reach, and whether these powers must follow a particular method or be trained to certain intellectual habits to be used to greatest effect. Typical questions asked by epistemologists include: What are the nature and limits of human knowledge? What conditions must we satisfy in order to know or to have justified belief? What intellectual virtues characterize excellent intellectual agents? Do the arguments of skeptics show that we don't have knowledge or justified belief? While this course focuses on more contemporary discussions, we will also discuss the epistemologies of many historically significant philosophers; 448-2. (Section 2) "Contemporary Metaphysics." This course takes a careful look at a number of pressing (and enduring) philosophical issues. We begin with the methodological question of realism and truth: Can we in fact discern the hidden nature of reality? If so, how? We then look at various proposals as to the nature of persons, including questions of mind and body, free will and determinism, and personal identity. In addition to a fairly comprehensive survey of such topics as these, we will spend some weeks near the end of the semester looking at book-length treatment by a contemporary philosopher focusing in one or the other of these areas.; 448-3 (Section 3) "Ethical Theory" The nature of ethical theory is a vigorously contested issue in philosophy today, and one that has very significant practical implications for society. What is the status of the moral principles of the Hebrew-Christian moral tradition? Can they be defended and argued on the basis of reason and common human experience, or are they only "house rules" for those particular communities that have religious allegiances? Can we still talk today of a "common morality", accessible in principle to all people in society, that can be the basis of law and policy? Should ethical reflection be conducted in terms of action guiding precepts or ideals of moral character? Are questions of right and wrong capable of being decided on rational grounds? How, if at all, can rival moral judgments be established as true over competitors? How are moral principles to be applied in concrete situations? Such questions are but a few of those that arise in moral philosophy, questions that have occupied a great part of the energies of the West's leading philosophers since Socrates. This course is an advanced undergraduate seminar course in ethical theory.

PHIL 454. Historical Seminar. (2 Credits)
Explores the writings of key historical figures from the following four periods in the history of philosophy: ancient, medieval, modern, and 19th century or contemporary philosophy. Each semester offers a different historical seminar, with all four periods being offered on a regular rotation. Prerequisite: PHIL 311 or 312.

PHIL 455. Historical Seminar. (4 Credits)
Explores the writings of key historical figures from the following four periods in the history of philosophy: ancient, medieval, modern, and 19th century or contemporary philosophy. Each semester offers a different historical seminar, with all four periods being offered on a regular rotation. Prerequisite: PHIL 311 or 312.

PHIL 456. German Historical Seminar. (2 Credits)
Explores the writings of key German historical philosophers. Requires reading texts in German, although discussion and papers may be done in English. Common topics include: Kant, Hegel, Nietzsche, Heidegger's Being and Time, and Gadamer's hermeneutics. Prerequisite: PHIL 311 or PHIL 312. See PHIL 454.

PHIL 457. German Historical Seminar. (4 Credits)
Explores the writings of key German historical philosophers. Requires reading texts in German, although discussion and papers may be done in English. Prerequisite: PHIL 311 or PHIL 312. See PHIL 455.

PHIL 454. German Historical Seminar. (2 Credits)
Explores the writings of key German historical philosophers. Requires reading texts in German, although discussion and papers may be done in English. Prerequisite: PHIL 311 or PHIL 312. See PHIL 454.

PHIL 499. Honors Thesis. (4 Credits)
An independent philosophical project requiring original research and/or argumentation, developed in a scholarly paper and culminating in an oral examination. By application only.
PHYS 221. General Physics I. (4 Credits)
Newtonian mechanics, energy, waves, and heat. Non-calculus based. Four hours lecture, three hours laboratory. Prerequisite: Pre-calculus (algebra and trigonometry) competence. Not open to students with prior credit for PHYS 231 or 233.

PHYS 222. General Physics II. (4 Credits)
Electromagnetism, optics, and modern physics. Non-calculus based. Four hours lecture, three hours laboratory. Prerequisite: PHYS 221. Not open to students with prior credit for PHYS 232 or 234.

PHYS 231. Introductory Physics I. (4 Credits)
Kinematics, Newtonian dynamics, conservation laws, and selected topics from oscillations, waves, fluids, and thermodynamics. Four hours lecture, three hours laboratory. Co or Prerequisite: MATH 231.

PHYS 232. Introductory Physics II. (4 Credits)
Electricity and magnetism, optics, and selected topics from modern physics, waves, and thermodynamics. Four hours lecture, three hours laboratory. Prerequisite: PHYS 231. Co or Prerequisite: MATH 232.

PHYS 294. Physics for the Future. (2 Credits)
The beginning of an exciting journey into the intricacies of our created world. Includes discussion of recent physics breakthroughs, exposure to research at Wheaton and at nearby national laboratories, discussion of vocational pathways, and thoughts on the relationship of physics to the liberal arts and the Christian faith.

PHYS 305. Dakota Skies: Astronomy and Atmospheric Science in the Black Hills. (4 Credits)
An introduction to the study of the weather and the universe. Topics include physical foundations for astronomy and atmospheric science, the evolution of stars, the structure and origin of the universe, the structure of the earth's atmosphere, weather systems, weather analysis and forecasting. Special attention will be given to sound scientific practices, including systematic scientific investigations, critical evaluation of scientific claims and the ability to develop a sound scientific argument.

PHYS 311. Introduction to Medical Physics. (2 Credits)
A survey of radiation therapy, nuclear medicine, diagnostic imaging, and health physics with discussion on ethical and stewardship concerns of these technologies. Prerequisites: PHYS 222 or 232.

PHYS 331. Spacetime and Quanta. (4 Credits)
Special Relativity, Quantum Mechanics, and selected topics from Atomic Physics, Statistical Physics, Nuclear Physics, Particle Physics, Solid State Physics, and Cosmology. Four hours lecture. Prerequisites: PHYS 232 and PHYS 334. Co or Prequisites: MATH 245 and MATH 333.

PHYS 333. Thermal Physics & Fluids. (2 Credits)
An introduction to the thermodynamic principles of microstates, entropy, and heat engines as well as basic fluid mechanical concepts of buoyancy and fluid flow. Prerequisite: PHYS 232.

PHYS 334. Computer Modeling of Physical Systems. (2 Credits)
An introduction to computer methods for the analysis, modeling and simulation of physical systems and analysis of experimental data. Applications taken from mechanics, fluids, electricity and magnetism. Prerequisites: PHYS 231 and MATH 231. Pre or Corequisite: MATH 232.

PHYS 341. Analytical Mechanics. (4 Credits)
Particle and rigid body dynamics, central forces and gravitation, rotating systems and bodies, Lagrange and Hamilton formulations, generalized coordinates, and normal modes. Prerequisites: PHYS 334 and MATH 333. Pre or Co-requisite: MATH 245 and MATH 331.

PHYS 342. Electromagnetic Theory. (4 Credits)
Electrostatics, steady currents, linear materials, electromagnetic induction, Maxwell's equations, and electromagnetic waves. Prerequisites: PHYS 334 and MATH 331. Pre or Corequisite: MATH 333. Alternate years.

PHYS 343. Methods of Experimental Physics. (2 Credits)
Design of scientific investigations; experimental methods and instrumentation; construction of scientific arguments from data. Six hours laboratory. Prerequisites: PHYS 334 and Junior or higher standing.

PHYS 344. Quantum Mechanics. (4 Credits)
Elements of quantum physics, solutions of Schrödinger's equation applied to atomic and molecular structure, applications, interpretations. Prerequisites: PHYS 331 and 334; and MATH 245, 331 and 333. Alternate years.

PHYS 345. Methods of Data Analysis and Presentation. (2 Credits)
Development of skills in data and error analysis, technical communication, and scientific argument. Prerequisite: PHYS 334 and Writing and Communication Competencies.

PHYS 351. Analog Electronics. (2 Credits)
Basic principles of electronic circuits and devices. AC and DC circuit fundamentals, filters, diodes, transistors, amplifiers, and operational amplifiers. Four hours lecture, three hours laboratory. Prerequisite: PHYS 232. Pre or Corequisite: PHYS 334.

PHYS 352. Computer Data Acquisition. (2 Credits)
Digital electronics, analog to digital conversion, computer interfacing, and data acquisition with LabVIEW software. Four hours lecture, three hours laboratory. Prerequisite: PHYS 351. Alternate years.

PHYS 353. Introductory Optics. (2 Credits)
Electromagnetic and quantum mechanical theory of light, geometrical and physical optics, interference, diffraction, and optical instruments. Four hours lecture, three hours laboratory. Prerequisite: PHYS 334. Alternate years.

PHYS 354. Advanced Optics. (2 Credits)
Light propagation in matter, polarization, Fourier optics, aberrations, holography, lasers, and modern optical materials and components. Four hours lecture, three hours laboratory. Prerequisite: PHYS 353. Alternate years.

PHYS 359. Thermodynamics. (4 Credits)

PHYS 361. Solid State Physics and Nanotechnology. (2 Credits)
Bonding and structure of crystals, electronic properties of insulators, semiconductors, metals, and superconductors, limits of smallness, molecular assembly, and nanoscale physics. Prerequisite: PHYS 344 or CHEM 371. Alternate years.

PHYS 362. Plasma Physics. (2 Credits)
Introduction to plasma physics including definition of a plasma, single particle and guiding center motions, fluid descriptions, waves, instabilities, and applications of plasma physics in space and astrophysics, controlled thermonuclear fusion, and industry. Pre or Corequisite: PHYS 342. Alternate years.
PHYS 366. Particle Physics and Cosmology. (2 Credits)
Elementary particles, fundamental interactions, conservation laws and symmetries, big bang cosmology, dark matter and dark energy. Alternate years. Prerequisites: PHYS 331 and 334.

PHYS 367. Introduction to Stellar and Galactic Astrophysics. (4 Credits)
Introduction to stellar and galactic astrophysics with an emphasis on the underlying physical principles. Course has an integrated lab component (2 hours lecture, 1 hour lab per week) Topics: Structure and evolution of stars, stellar atmospheres and spectra, binary stars and stellar remnants. Galactic dynamics, morphology, and evolution; large-scale structure of the universe. Prerequisites: MATH 333 and PHYS 334. Alternate years.

PHYS 494. Senior Seminar. (2 Credits)
Study of the wider cultural significance of physics including its historical development; its relationship to other disciplines; its philosophical interpretations; its place in a Christian worldview; and one's stewardship toward society. Independent study and classroom presentation. Prerequisite: senior standing in the major. (lin)

PHYS 495. Independent Study. (1 to 4 Credits)
Independent research.

PHYS 496. Internship. (2 to 4 Credits)
Supervised off-campus experience with departmental approval. Graded pass/fail. Prerequisite: junior or senior standing with Physics major.

PHYS 499. Honors Thesis. (2 to 4 Credits)
An independent project providing original physics research developed in a scholarly paper and culminating in an oral examination. Partially fulfills requirements for an honors degree in physics. Additional requirements are available in the Physics Office.
PSCI 135. American Politics and Government. (4 Credits)
American Politics and Government. An introduction to the foundations and institutions of the United States' political system. Explores the political behavior of individuals and groups and engages contemporary political debate.

Tags: SI

PSCI 145. Political Philosophy. (4 Credits)
An exploration of some of the major themes in the tradition of western political thought, to include the nature of politics, freedom, equality, justice, and virtue. The course will center around some of the tradition's most significant texts, including works by Plato, Augustine, Hobbes, Mill and more contemporary authors.

Tags: PI, SI

PSCI 201. U.S. Education Policy: Problems and Possibilities. (4 Credits)
See EDUC 201

Tags: DUS, SI

PSCI 231. Chicago. (2 Credits)
An Introduction. See URBN 231.

PSCI 235. Iowa Caucus. (2 Credits)
A hands-on exploration of the presidential nomination process including campaign work and observation of Iowa precinct caucuses. Presidential election years.

PSCI 236. Intercollegiate Trial Advocacy. (0 or 1 Credits)
A hands-on exploration of the theory and practice of trial advocacy through competition in intercollegiate mock trial tournaments. Graded pass/fail. One credit hour per year based on full participation in the fall and spring semesters. Register for credit in the spring semester. Prerequisite: Instructor permission.

PSCI 237. Women and Politics. (2 Credits)
An exploration of the role of American women and politics in the late nineteenth century and its transformation into the role of American women in politics by the late twentieth century.

PSCI 244. Film and Political Theory. (2 Credits)
This course explores how films develop, offer, and apply arguments about human nature, human flourishing, and other topics central to normative theorizing about politics.

PSCI 245. Politics & Pop Culture. (2 Credits)
An exploration and evaluation of portrayals of political themes and concepts in various forms of popular culture including film, television, and plays.

PSCI 274. Introduction to Law. (4 Credits)
This course provides a general introduction to the nature and function of law in society.

PSCI 301. Topics in Political Science. (2 Credits)
Selected topics, designed to give added breadth and depth to the understanding of American politics and/or political behavior.

PSCI 302. Topics in Political Science. (4 Credits)
Selected topics, designed to explore an important topic in American politics, political behavior, or political theory.

PSCI 311. Constitutional Law. (4 Credits)
An examination of the American constitutional system, with special emphasis given to the role of judicial institutions and the impact of Supreme Court decisions.

PSCI 325. Criminal Law Procedure. (2 Credits)
This course provides a general introduction to the process by which government investigates, charges and proves criminal offenses committed by individuals.

PSCI 327. Civil Rights and Police Action. (2 Credits)
This course provides a general introduction to the constitutionally protected civil rights individuals have in the United States and whether use of force by law enforcement violates these rights. The course focuses on use of force issues from wrongful arrest to fatal use of force by law enforcement.

PSCI 332. Media and Politics. (4 Credits)
This course explores the interrelationship between the mass media (including print, broadcast, and new media), public opinion, and American politics. Prerequisite: PSCI 135 or equivalent.

PSCI 343. Political Ethics. (4 Credits)
This course brings philosophical ethics and normative political theory into dialogue with the distinctive practical problems associated with contemporary American politics and policy. Topics to be considered include abortion, euthanasia, affirmative action, war, distributive justice, deception and manipulation, and the ethics of roles.

PSCI 344. Women, Politics, and American Society. (4 Credits)
An exploration of the role of women in American politics from revolutionary times to the present, tracing the transformation of the role of American women from outsiders to more full participants in politics and government.

Tags: DUS

PSCI 349. Christian Political Thought. (4 Credits)
An engagement with the varieties of Christian thinking about politics, including both its historical development and the contemporary alternatives. Thinkers explored will include Augustine, Aquinas, Luther, Calvin, Locke, Niebuhr, Hauerwas, and a number of others.

PSCI 358. Campaigns in Context. (2 Credits)
An examination of federal, state, and local campaigns with an emphasis on the politics and context of the November election. Wheaton-in-Washington Program. PSCI 135 recommended.

PSCI 359. Washington Workshop. (2 Credits)

PSCI 361. Political Research. (4 Credits)
This course introduces research design to students using the context of political science. While there are many approaches to research design, we will focus upon quantitative analysis. At the introduction students will be exposed to the basic framework of theories, variables, and causation. Students will then construct a research design to test an original political science project. This course is designed to be an introduction to research methods so there are no prerequisites. Students are encouraged to approach projects with creativity and ask questions.

Tags: AAQR

PSCI 363. Race and Politics in the United States. (4 Credits)
This course investigates the complex relationship between racial and ethnic identity and political outcomes in the United States. It explores broad political science concepts like public opinion, political behavior, social movement, media effects, and political representation in the context of racial and ethnic groups.

Tags: DUS
PSCI 364. Analyzing Public Opinion. (4 Credits)
This course equips students to apply mathematical concepts, especially in the area of statistics, to analyze public opinion data. It leverages substantive public opinion topics and a semester-long research project as springboards to learn about and apply quantitative methods to describe phenomena and answer research questions related to public opinion.

PSCI 365. Classical and Medieval Political Thought. (4 Credits)
The western political tradition rests on the interplay between the claims emerging out of classical Greece and Rome on the one hand and out of Christianity on the other. This course explores that interplay by engaging both classical (Homer, Sophocles, Plato, Aristotle) and Christian political thinkers (Augustine, Aquinas).

PSCI 366. Modern Political Thought. (4 Credits)
This course chronicles the replacement of the Christian order and the development of its theoretical alternative, modernity. Thinkers considered include: Machiavelli, Hobbes, Locke, Rousseau, Marx, Mill, Nietzsche, and Freud.

PSCI 368. American Political Thought. (4 Credits)
An analysis of central ideas in the history of American political thought, from the founding to the present.

PSCI 371. Public Opinion and American Democracy. (4 Credits)
This course helps students understand the factors that shape political attitudes and the actions they trigger in the United States. Particular attention is given to major methods and findings of survey research, as well as to implications of this research for how we think about the role of citizens in democracy.

PSCI 374. Political Psychology: Understanding the Political Mind and Behavior. (4 Credits)
This course equips students to apply the concepts, theories, and methods of psychology to better understand political attitudes and behavior. It emphasizes how new research at the intersection of fields like psychology, biology, and neuroscience can inform our thinking about politics.

PSCI 383. Religion & American Politics. (4 Credits)
An assessment of the role of religion in American politics, focusing especially on the contemporary era. Particular attention is given to the role of evangelicals. Periodic.

PSCI 384. The Presidency. (4 Credits)
Examines the role of the presidency in the U.S. political system, focusing on such themes as leadership, decision-making, and Congressional-Executive relations. Alternate years.

PSCI 385. Urban Politics. (2 Credits)
An analysis of the politics of urban areas, including relationships with state and national governments, decision-making, and urban public policy.

PSCI 386. Congress & Policy Process. (4 Credits)
Congress and the Policy Process. An examination of the role of Congress in the American political process, including historical development, structure and functions, and decision-making. Recommended for those seeking Washington internships. Alternate years.

PSCI 387. Law and Religion. (4 Credits)
This course is designed to introduce students to the moral, legal, and constitutional questions surrounding religion and its place in democratic public life. Students will have an opportunity to gain a familiarity with the development of American constitutional law as it relates to religion, explore the alternatives to those developments, understand the contending side of contemporary controversies, and articulate their own considered views on each via both presentations and writing exercises.

PSCI 389. Campaigns and Elections. (4 Credits)
Explores the structures and institutions of American electoral politics, including the nomination process and general elections. Gives special attention to the elements of the modern campaign, including campaign finance, research, polling, advertising, and media use. Alternate years.

PSCI 494. Senior Seminar. (2 Credits)
An analysis of the interrelationship of politics and the Christian faith, focusing on vocational, conceptual, legal, and domestic public policy issues. Senior majors only.

PSCI 495. Independent Study. (2 to 4 Credits)
A guided individual reading and research problem. Junior and senior majors, or discretion of professor.

PSCI 496. Internship. (4 Credits)
A series of programs designed for practical experience in professions frequently chosen by Political Science majors, such as law, government, and public service. Prerequisite: Political Science major with junior or senior standing and a minimum of 16 credits in the department.

PSCI 499. Honors Thesis. (4 Credits)
An independent research project requiring original research, developed into a scholarly paper and culminating in an oral examination. By application only. The honors thesis may not be counted toward the total hours to complete the major.
LAW 496. Pre-Law Internship. (4 Credits)
General elective credit for an internship with a practicing legal professional. Prerequisites: (i) junior or senior standing; (ii) a minimum of 16 hours of courses in the student's department major and 8 hours of required or elective courses toward the Pre-law Studies Certificate; (iii) the internship is for the Pre-law Studies Certificate, and the student is unable to secure approval for a Major Department 496 Internship; and (iv) approval of the Pre-Law Advisor. Graded pass/fail.
PSYCHOLOGY (PSYC)

PSYC 101. Introduction to Psychology. (4 Credits)
Provides an introduction to psychology as a social and behavioral science, focusing on its major topics, methods, theories, applications, and the integration of psychology and Christianity.
Tags: SI

PSYC 235. Cross-Cultural Psychology. (2 Credits)
An examination of the impact of culture on various psychological processes and systems. This course is designed for both majors and non-majors.

PSYC 241. Social Psychology. (4 Credits)
A study of human thought, emotion, and behavior in an interpersonal context.
Tags: SI

PSYC 268. Statistics. (4 Credits)
An introduction to descriptive and inferential statistics used in research. Students will be taught how to conduct and interpret correlations, simple regression, several types of t-tests, analysis of variance (one-way and factorial with interaction), and chi-squared tests. Students will be introduced to the framework of hypothesis testing, type 1 and type 2 errors, and power. Prerequisite: PSYC 101.
Tags: AAQR

PSYC 269. Experimental Psychology. (4 Credits)
An examination of the research methods of psychology and the philosophy behind their use and an opportunity to apply these skills in research. Prerequisite: PSYC 268.

PSYC 317. Developmental Psychology. (4 Credits)
An overview of the major theories, concepts, issues, data, and research methodologies of developmental psychology across the life span.
Tags: SI

PSYC 343. Sensation & Perception. (4 Credits)
A survey of the current scientific models, concepts, and integrative theories that encompass the field of human sensory and perceptual studies, with a special emphasis on the neurological and cognitive features of vision. Prerequisite: PSYC 269.

PSYC 345. Learning. (4 Credits)
Examines learning through the Pavlovian and Skinnerian traditions from the early twentieth century up to the present day. Students will apply their course learning outside the classroom by engaging in behavioral training with an animal. Prerequisite: PSYC 269

PSYC 348. Abnormal Psychology. (4 Credits)
An overview of the major theories, concepts, issues, data, and research methodologies of abnormal psychology. Emphasis on assessment, treatment, and prevention. Prerequisite: PSYC 101.

PSYC 351. Cognition. (4 Credits)
A survey of the current scientific models, concepts, and integrative theories that encompass the field of human thought such as information processing, language, attention, and problem solving, as well as human perceptual experience and consciousness. Prerequisite: PSYC 269.

PSYC 352. Contemporary Clinical Psychology. (4 Credits)
Contemporary Clinical Psychology. An overview of the major contemporary approaches to psychotherapy used in mental health settings. Includes an emphasis on the counselor as a person and as a professional, ethical issues in counseling practice, and essential counseling skills. Prerequisite: PSYC 348.

PSYC 355. Advanced Statistics & Psychological Testing. (4 Credits)
An introduction to computer-based statistical analysis and psychological testing of child and adult intelligence, personality, and psychopathology. Topics include exploratory data analysis, multiple regression, factor analysis, scale construction. Students will also learn to administer and evaluate specific psychological tests. Prerequisite: PSYC 269 or consent of instructor.

PSYC 361. Behavioral Neuroscience. (4 Credits)
An overview of the neuroanatomical, neurophysiological, and neurochemical underpinnings of sensory systems and the expression of behavior. Prerequisite: PSYC 269 or consent of instructor.

PSYC 371. Intro to Psychopharmacology. (2 Credits)
This course examines the psychological effects and neurobiological mechanisms of action of psychoactive drugs, drugs that are used in the treatment of psychopathological disorders, and recreational drugs of abuse. This course is designed to provide undergraduate students interested in clinical psychology or psychopharmacology with an overview of the effects and mechanisms of substances which act on both the body and the brain. Prerequisite: PSYC 361

PSYC 431. Psychology of Human Sexuality. (4 Credits)
An examination of human sexuality from the physiological, psychological, and social context. Topics include theories of psychosexual development, the nature of contemporary gender roles, ethnic identity, theological views of authentic sexuality, and cultural factors that impact sexual views and behaviors.

PSYC 482. Theories and Methods of Integration. (2 Credits)
Introduces students to approaches to integrating Biblical and theological perspectives with psychological science and practice, including issues regarding the relationship between science and religion, contemporary models of integration and their critics, and the prescriptive nature of psychology as social science. Prerequisite: Junior or Senior Standing.

PSYC 483. Advanced Topics in Abnormal Psychology. (2 Credits)
Provides students with an in-depth understanding of controversial issues within the field of abnormal psychology, including ethical, legal, political or social issues. Topics pertaining to the integration of abnormal psychology with Christian faith are discussed. Prerequisite: PSYC 348 and junior or senior standing.

PSYC 484. Psychology of Religion. (2 Credits)
Draws upon foundational studies in psychology to explore religious experience from a social scientific perspective, including the exploration of the complex relationships between personality dynamics and faith. Prerequisite: Junior or Senior standing.

PSYC 485. Psychology of the Family. (2 Credits)
An overview of developmental and systemic theories of family functioning, with an emphasis on the impact of family on individual development. Prerequisite: Junior or Senior standing.

PSYC 486. History of Psychology. (2 Credits)
An examination of the historical development of the field of psychology with specific emphases on its relationship with science, its engagement with Christian religious belief and practice, and its role as an intellectual force in Western culture. Prerequisite: Junior or Senior standing.

PSYC 487. Men and Addictions. (2 Credits)
This course introduces students to the distinct ways in which men suffer from addictions. It explores the underlying genetic, neurophysiological, behavioral, cognitive, spiritual, and social factors that predispose men towards various addictions and their treatments. Prerequisite: Junior or Senior standing.
PSYC 488. Current Issues in School Psychology. (2 Credits)
A survey of current psychological issues in schools including the exploration of individual, family, and societal factors contributing to students’ functioning. Emphasis is placed on interventions provided in the school setting. Topics such as school violence, learning disabilities, gender issues, counseling in schools, and academic intervention will be covered. Prerequisite: Junior or Senior standing.

PSYC 494. Personality Psychology. (4 Credits)
This senior capstone course examines major personality theories, their individual assumptions on the nature of persons and their important contributions to the psychological field. Students are challenged to critically evaluate the world-view of each theorist from a Christian theological perspective. Prerequisite: Senior status or permission of instructor.

PSYC 495. Independent Study. (1 to 4 Credits)
Individual library or experimental research carried on under the supervision of a staff member. Prerequisite: consent of the instructor.

PSYC 496. Internship. (4 or 8 Credits)
Credit given for participation in the department's internship program. Prerequisites: five courses in psychology; junior or senior standing with Psychology major.

PSYC 497. Collaborative Research Groups. (2 or 4 Credits)
Credit given for participation in faculty sponsored ongoing research program. The course may be repeated for a maximum of 8 credits, 4 of which may count as major elective. Prerequisite: PSYC 269

PSYC 499. Honors Thesis. (4 or 8 Credits)
An independent project requiring original research developed in a scholarly paper and culminating in an oral examination. By application only.

PSYC 512. Theories and Principles of Counseling. (3 Credits)
Designed for marriage and family therapy students, this course provides an examination of several of the major theories of counseling with an emphasis on techniques and principles common to each theory. This course does not count towards the M.A. in Clinical Psychology.

PSYC 551. Counseling Challenges in Ministry. (2 Credits)
A psychoeducative approach is used to enable Christian leaders to help individuals and families understand and deal with contemporary issues—e.g., step-families, single parenting, divorce, abortion. Other topics covered include: coping with depression, strong emotions, i.e., anger and anxiety, conflict. This course does not count toward the M.A. in Clinical Psychology.

PSYC 698. Master’s Thesis. (4 Credits)
PSYC 699. Master’s Thesis Continuation. (0 Credits)

PSYC 701. Foundations of Integration. (3 Credits)
A course in which an understanding of social, cultural, and spiritual context is developed to facilitate an integrated view of the person and of mental health practice. Emphases include historical, philosophical, theological perspectives, application of faith practice integration to the treatment of marginalized populations and service to the church worldwide.

PSYC 714. Professional Development and Ethics I. (3 Credits)
An introduction to the practice of professional psychology, and to the ethical, legal, and professional issues confronting psychologists. Emphasis will be on fostering students’ knowledge of the profession's ethics code and guidelines and on developing professional goals and behaviors. Special attention will be paid to the integration of Christian faith in accordance with the program's mission statement.

PSYC 716. Basic Clinical Interviewing Skills. (3 Credits)
A basic skill course in clinical interviewing strategies and challenges.

PSYC 717. Class, Gender, Race, Religion & Sexual Identity. (3 Credits)
An introduction to the diverse populations psychologists serve and the clinical competencies necessary for effective psychologists.

PSYC 721. History and Systems of Psychology. (3 Credits)
A study of the history of psychology, with particular emphasis upon understanding contemporary thought in the philosophy of science, and its implications for our understanding of the history and current status of the discipline.

PSYC 731. Spirituality I. (1 Credit)
An introduction to spiritual formation and spiritual practices for developing clinical psychologists in the Christian tradition. This course will focus on spiritual practices and disciplines important to developing the relationship between human beings and a triune God.

PSYC 732. Spirituality II. (1 Credit)
The second course in a sequence intended for spiritual formation and spiritual practices for developing clinical psychologists in the Christian tradition. This course will focus on spiritual practices and disciplines important to self-care.

PSYC 733. Spirituality III. (1 Credit)
The third course in a sequence intended for spiritual formation and spiritual practices for developing clinical psychologists in the Christian tradition. This course will focus on spiritual practices and disciplines relevant to healthy community.

PSYC 734. Spirituality IV. (1 Credit)
The fourth and final course in a sequence intended for spiritual formation and spiritual practices for developing clinical psychologists in the Christian tradition. This course emphasizes spiritual practices and disciplines focusing on Biblical justice.

PSYC 736. Cognitive-Behavioral Theory and Practice. (3 Credits)
A core theory and clinical skill course in the cognitive-behavioral tradition. Covers the range of topics from traditional behavior modification to social-cognitive and cognitive views to third-wave therapies.

PSYC 737. Psychoanalytic and Contemporary Psychodynamic Theory and Practice. (3 Credits)
A core theory and clinical skill course in the psychodynamic tradition. Covers the range of topics from classical psychoanalysis through contemporary object-relations, self psychological, and relational psychoanalytic views.

PSYC 738. Family Systems Theory and Therapy. (3 Credits)
A core theory and clinical skill course in the family systems tradition. An overview of the major approaches to family therapy with an emphasis on developmental and systemic models, and development of family assessment, conceptualization, and intervention skills. Prerequisites: PSYC 716, PSYC 736, PSYC 737.

PSYC 739. Community and Preventive Psychology. (3 Credits)
An examination of community and interpersonal factors causing and maintaining psychological dysfunction and well-being. Studies the preventive modes of mental health intervention.
PSYC 743. Psychological Assessment I: Cognitive Foundations. (3 Credits)
An examination of the history of testing, and basic measurement theory and psychometrics. Includes exposure to the theory of intellectual and educational assessment with children and adults, and development of skills in administration, scoring, and interpretation of intellectual tests.

PSYC 744. Psychological Assessment II: Personality Foundations. (3 Credits)
An examination of the theory and practice of personality assessment with children and adults. Covers objective and projective assessment methods, and development of skills in administration, scoring, and interpretation of these instruments.

PSYC 745. Psychological Assessment III: Integrative Report Writing. (1 Credit)
A clinical skill course focusing on the development of competency in integrative report writing, including the synthesis of testing data and information.

PSYC 746. Research and Statistics I. (3 Credits)
An introduction to statistical methodology, with an emphasis on cultivating students’ basic conceptual understanding of statistics and research methods, as well as foundational skills in conducting analyses and in participating in a research team.

PSYC 747. Research and Statistics II. (3 Credits)
An introduction to research design which includes quantitative statistical research designs, with an emphasis on establishing a strong conceptual framework for understanding the range of research designs and how to select or match a design to research question/problem. Program evaluation methodology is also included.

PSYC 748. Research and Statistics III: Data Interpretation & Qualitative Analysis. (3 Credits)
An introduction to basic approaches of qualitative analysis and a focus on interpretation and reporting of quantitative data.

PSYC 753. Psychopathology. (3 Credits)
Doctoral-level examination of the categorization, diagnosis, etiology, and maintenance of abnormal behavior.

PSYC 754. Biological Bases of Behavior. (3 Credits)
Covers the core knowledge in the biological bases of behavior for the practicing psychologist.

PSYC 755. Cognition & Emotion. (3 Credits)
Examines contemporary perspectives on thought, memory, emotion, and other higher mental processes.

PSYC 756. Psychopharmacology. (3 Credits)
A core course introducing the student to psychopharmacological treatments of various psychological disorders.

PSYC 761. Research Lab I. (1 Credit)
Research Lab I is the formal mechanism by which students’ involvement in original empirical research is formulated and guided. The Research Lab I is the first of a formal academic sequence involving statistical analysis, research design and research application in a clinical context. Participation in the Research Lab I will help students to build the necessary skills to generate and evaluate original research. The research lab supports dissertation process as part of the research and statistics sequence. Graded pass/fail.

PSYC 762. Research Lab II. (1 Credit)
Research Lab II is the formal mechanism by which students’ involvement in original empirical research is formulated and guided. The Research Lab II is the second of a formal academic sequence involving statistical analysis, research design and research application. Participation in the Research Lab II will help students to build the necessary skills to generate and evaluate original research. The research lab supports dissertation process as part of the research and statistics sequence. Graded pass/fail.

PSYC 763. Research Lab III. (1 Credit)
Research Lab III is the formal mechanism by which students’ involvement in original empirical research is formulated and guided. The Research Lab III is the third of a formal academic sequence involving statistical analysis, research design and research application. Participation in the Research Lab III will help students to build the necessary skills to generate and evaluate original research. The research lab supports dissertation process as part of the research and statistics sequence. Graded pass/fail.

PSYC 764. Research Lab IV. (1 Credit)
Research Lab IV is the formal mechanism by which students’ involvement in original empirical research is formulated and guided. The Research Lab IV is the fourth of a formal academic sequence involving statistical analysis, research design and research application. Participation in the Research Lab IV will help students to build the necessary skills to generate and evaluate original research. The research lab supports dissertation process as part of the research and statistics sequence.

Prerequisite: PSYC 761, 762 and 763. Graded pass/fail.

PSYC 773. Lifespan Development. (3 Credits)
Development throughout the lifespan from infancy through old age; focus on prominent developmental theories; protective and risk factors in atypical development.

PSYC 774. Advanced Social Psychology. (3 Credits)
Advanced topics of relevance to understanding human behavior in its social context.

PSYC 781. Advanced Ethics and Professional Issues. (3 Credits)
Advanced training in special topics among ethical, legal, and professional issues confronting the psychologist in practice. Prerequisites: PSYC 714.

PSYC 782. Clinical Supervision and Consultation. (3 Credits)
Introduction to practice of effective supervision and training of mental health professionals and the skills needed to provide consultations with other professionals and organizations. Prerequisites: PSYC 796 - Practica I & II.

PSYC 795. Practicum Seminar. (1 Credit)
A seminar group designed to facilitate the personal, professional, and spiritual formation of doctoral students who are concurrently in practica placements. Required attendance at both individual and group meetings. Co-requisite: PSYC 796. Graded pass/fail.

PSYC 796. Practica I, II, III, IV. (2 Credits)
A doctoral-level practicum covering assessment, treatment planning, case management, and psychotherapeutic intervention. Graded pass/fail. (each 2)

PSYC 797. Practica-Seminar I, II, III, IV. (0 Credits)
A seminar group designed to facilitate the personal, professional, and spiritual formation of doctoral students who are concurrently in practica placements. Required attendance at both individual and group meetings. Required with PSYC 796. Graded pass/fail. (each 2 credits)
PSYC 798. Practicum V/VI. (0 Credits)
An advanced doctoral-level practicum covering assessment, treatment planning, case management, and psychotherapeutic intervention. Prerequisite: eight credit hours of PSYC 796. Graded pass/fail.

PSYC 833. Couple Therapy. (3 Credits)
A core theory and clinical skill course in the field of couple therapy. Covers a range of views including the behavioral, family systems, and psychodynamic. Prerequisite: PSYC 738.

PSYC 837. Developmental Psychopathology. (3 Credits)
A foundational course providing an overview of developmental clinical child psychology. Emphasis will be given to an understanding of theology and developmental theories and research in relation to child psychopathology and clinical practice.

PSYC 838. Advanced Couple and Family Therapy. (3 Credits)
An advanced seminar focusing on integrative models of couple and family therapy with a special emphasis on issues of ethnicity and gender. Students will develop the skills important in working with multiproblem couples and families. Students will also be introduced to models of couple and family supervision. Open to both M.A. and Psy.D. Clinical Psychology students. Prerequisites: Psy.D. PSYC 738, M.A. CMHC 636.

PSYC 843. Neuropsychological Assessment. (3 Credits)
Introduction to theory and practice of assessing brain function and its behavioral correlates.

PSYC 844. Child Psychological Assessment. (3 Credits)
A clinical skill course focusing on the administration, scoring, and interpretation of child psychological assessment strategies. Specific developmental considerations in assessment of this population will be examined.

PSYC 845. Child & Adolescent Interventions. (3 Credits)
A clinical skills course introducing students to evidence-based intervention strategies targeting commonly seen diagnoses in children and adolescents. Developmental, cultural, and familial considerations in treatment are emphasized. Prerequisites: PSYC 716, 736, 737.

PSYC 846. Geropsychology. (3 Credits)
Assessment and treatment of older adults and associated issues, including neuropsychological assessment and different diagnosis. Open to both M.A. and Psy.D. Clinical Psychology students.

PSYC 849. Sexuality & Sex Therapy. (3 Credits)
An advanced elective introducing the student to the assessment and treatment of sexual dysfunction using a biopsychosocial model. Open to both M.A. and Psy.D. Clinical Psychology students.

PSYC 851. Substance Abuse. (3 Credits)
A survey of basic issues surrounding the conceptualization, etiology, progression assessment, and treatment of chemical abuse, dependence, and addiction, including the study of the family of the chemically dependent individual.

PSYC 853. Behavioral Medicine and Health Psychology. (3 Credits)
Contemporary theory and practice course exploring the relationship of psychological and behavioral change in relation to medical and other health-related matters. Prerequisite: PSYC 754.

PSYC 854. Collaborative Psychological Practice in Primary Care. (3 Credits)
An advanced clinical course introducing students to the role of the mental health professional in the primary health context. Diagnostic, intervention and interdisciplinary consultation skills necessary for effective practice in fast-paced, high-volume interdisciplinary healthcare settings are taught with an emphasis on Motivational Interviewing and brief interventions for change. Contextual focus is placed on the value of collaborative approaches with underserved communities and populations.

PSYC 861. Spiritual Direction and Care of the Soul. (3 Credits)
An introduction to the contemporary and classical literature and traditions of Christian spirituality and spiritual direction and their relevance to the helping professions. Psychology's neglect of the spiritual life and of the church's tradition of soul care is addressed.

PSYC 862. Advanced Integration of Psychology & Christian Theology. (3 Credits)
This course will focus on the integration of the Christian faith and clinical psychology. Students will be provided in-depth exposure to the literature regarding Christianity-psychology integration. Specific topics in emerging trends in the field will be selected and analyzed by the class in light of their theological coursework in the doctoral program. Prerequisite: PSYC 701.

PSYC 881. Advanced Practicum I. (2 Credits)
This advanced clinical experience emphasizes the development of assessment, diagnosis and intervention through supervised practice at a variety of field settings. Concurrent enrollment in PSYC 882 - Advanced Practicum Seminar I. Meetings include didactic learning, case presentations and team meetings. Prerequisites: eight credit hours of PSYC 796 and 4 credits of PSYC 795. Co-requisite: PSYC 882. Graded pass/fail.

PSYC 882. Advanced Practicum I Seminar. (1 Credit)
This seminar supporting advanced clinical experiences emphasizes the development of assessment, diagnosis and intervention through supervised practice at a variety of field settings. Concurrent enrollment in PSYC 881. Meetings include didactic learning, case presentations and team meetings. Prerequisites: eight credit hours of PSYC 796 and 4 credits of PSYC 795. Co-requisite: PSYC 881. Graded pass/fail.

PSYC 883. Advanced Practicum II. (1 Credit)
This advanced clinical experience emphasizes the development of assessment, diagnosis and intervention through supervised practice at a variety of field settings. Concurrent enrollment in PSYC 884 - Advanced Practicum Seminar II. Prerequisite: PSYC 881. Co-requisite: PSYC 884. Graded pass/fail.

PSYC 884. Advanced Practicum II Seminar. (1 Credit)
This seminar supporting advanced clinical experiences emphasizes the development of assessment, diagnosis and intervention through supervised practice at a variety of field settings. Concurrent enrollment in PSYC 883 - Advanced Practicum II. Meetings include didactic learning, case presentations and team meetings. Prerequisites: PSYC 881 and 882. Co-requisite: PSYC 883. Graded pass/fail.

PSYC 891. Advanced Clerkship. (0 Credits)
Supervised advanced clinical experience in an approved setting. Prerequisites: eight credit hours of PSYC 796 and 2 semesters of PSYC 894. Attendance at Grand Rounds is required. Graded pass/fail.
PSYC 892. Advanced Clerkship II. (0 Credits)
Supervised advanced clinical experience in an approved setting.
Prerequisites: eight credit hours of PSYC 796 and 2 semesters of
PSYC 894 and 2 semesters of PSYC 891. Attendance at Grand Rounds
required. Graded pass/fail.

PSYC 893. Seminar: Advanced Topics in Clinical Psychology. (1 Credit)
Advanced topics in clinical psychology presented and discussed in a two-
full-day seminar. Readings required prior to attendance. Graded pass/
fail. Open to both M.A. and Psy.D. Clinical Psychology students. Program
limit: M.A. 4 hours; Psy.D. 12 hours including PSYC 895 hours.

PSYC 894. Clerkship. (0 Credits)
Supervised clinical experience in an approved setting. Prerequisites:
eight credit hours of PSYC 796. Attendance at Grand Rounds is required.
Graded pass/fail.

PSYC 895. Independent Study. (1 to 4 Credits)
(1-4)

PSYC 896. Clinical Internship. (0 Credits)
Degree requires registration in this course for two semesters and one
summer. Graded pass/fail.

PSYC 898. Clinical Dissertation. (1 to 4 Credits)
Degree requires a total of 10 or 13 credits (depending on catalog year) for
the clinical dissertation. (1, 2, 3, 4)

PSYC 899. Clinical Dissertation Continuation. (0 Credits)
(Full-time).

PSYC 991. Comprehensive Exam. (0 Credits)
A programmatic milestone testing mastery of fundamental academic
concepts necessary for professional psychologists. Students are
permitted up to 3 exam attempts in a 12 month period before being
assigned a final grade for the course. PSYC 991 may not be repeated.
Pass/fail. Prerequisites: PSYC 714, 716, 717, 721, 736, 737, 738, 743, 744,
745, 746, 747, 753, 754, 755, 773, and 774.

PSYC 992. Professional Qualifying Exam (PQE). (0 Credits)
Professional clinical qualifying exam - the 2nd qualifying exam. Pass/
fail. Prerequisites: PSYC 991 unless petitioned to Psy.D. Program Clinical
Training Committee.

PSYC 993. Clinical Dissertation Proposal. (0 Credits)
Clinical Dissertation Proposal defense. Pass/fail. Prerequisites:
PSYC 991.

PSYC 999. Clinical Dissertation Continuation. (0 Credits)
(Part-time).
RELIGION (RELI)

RELI 212. World Religions: Asia. (2 Credits)
A survey of the living religious traditions of South and East Asia, including that of Hindus, Buddhists, Jains, Parsees, Taoists, Confucianists, and Shintoists.

RELI 214. World Religions: Middle East. (2 Credits)
A survey of the living religious traditions of the Middle East, emphasizing Judaism and Islam.

RELI 225. Major World Religions. (4 Credits)
A survey of the world's major religions. Students will acquire understanding of the complex category of "religion", become familiar with the basic methodological approaches employed in religious studies, and gain an overview knowledge of the histories, beliefs, and practices of the major religions discussed. Particular focus will be placed on each religion's philosophical traditions. The reality of religious diversity will be engaged through a Christian philosophical and theological lens.

Tags: PI

RELI 362. Judaism. (2 Credits)
An introduction to the historical development of the religion of Judaism, including Messianic Judaism; its origins, literature, Holy Days, rituals, theologies, movements, and future. A visit to a synagogue service is an integral part of the course.

RELI 364. Islam. (4 Credits)
A study of the origins of Islam in Arabia and its spread throughout the world. Special attention is given to Mohammed, the Qur’an, major tenets of Islam, different sects within Islam, the interface between Christianity and Islam, and the recent rise of Islamic fundamentalism.

RELI 492. Topical Studies. (2 or 4 Credits)
A phenomenological investigation across several religious traditions. Topics such as fundamentalism, cosmology, sacred writings, or mysticism will be covered.

RELI 495. Directed Study. (1 to 4 Credits)
SCI 211. Natural Systems of the Northwoods. (2 Credits)
An integrative science course centering on natural history and systems with an exploration of abiotic and biotic factors. Offered exclusively during the summer for education students only (preservice teachers) at HoneyRock. Su only.

SCI 229. Internship/Seminar in the Health Professions. (2 Credits)
Economic, political, sociological, psychological, and ethical problems facing health professionals and some biblical responses to these problems. Designed for students with a definite interest in one of the health professions, this course provides opportunity to observe the field first hand through a required shadowing internship, and to study the scope of health care in the U.S. Prerequisites: sophomore standing, registration with the Health Professions Program, one year of college biology or chemistry, consent of instructor. Does not apply toward the general education science requirement. (lin)

SCI 301. Natural Science: Foundations, Methods, Challenges. (4 Credits)
A historical and philosophical study of methodological and foundational issues in the natural sciences focusing principally on physics, astronomy, biology, and challenges the natural sciences present to culture. Prerequisite: Any SP course.

SCI 302. Origins of Scientific Thought. (4 Credits)
An introduction to the history of science, helping students understand its value for making sense of our contemporary cultural context. This is accomplished through studying the development of natural philosophy and the emergence of scientific methods and modes of thought. Particular emphasis is placed on the philosophical, religious, and institutional contexts, continuity and change over time, causality, contingency, and complexity of the emergence of scientific thought. This course engages in an in-depth exploration of a period, issue, concept, key figures, or a set of over-arching questions.

Tags: HP, SIP

SCI 311. Theories of Origins. (4 Credits)
Examination of scientific theories of origins and development, such as Big Bang cosmology, Earth's formation and early history, origin of life, origin of species, history of life, and human origins. Relationships between biblical and scientific explanations are explored for each topic. Prerequisite: any SP course. Field trip fee.

Tags: SIP

SCI 321. Science for Middle and High School Teachers. (2 Credits)
Required for science majors who plan to teach high school. Survey of science curricula, computer applications in science teaching, laboratory theory and evaluation processes, management of laboratories, and field trips. Prerequisites: ten hours of education courses and ten hours of courses in teaching area major.

SCI 322. Elementary Grade Education Science Curriculum. (2 Credits)
Required for elementary education majors. Survey of elementary science curricula and resources; consideration of perspective, process, content, and application of science in teaching. Concurrent with EDUC 305L, 311, 311L, 312, 315, 317, SSCI 321 or consent of instructor. Prerequisites: ten hours of education courses and at least one science laboratory course.

SCI 325. Methods of Teaching Middle Grade Science. (2 Credits)
Required for those seeking an endorsement for teaching middle grade science. Includes theories and methods for teaching science at the middle grade level (grades 5-8). Topics include effective teaching strategies, planning, and assessment of science content, particularly with science processes and inquiry. Based on the Next Generation Science Standards and the Illinois Professional Teaching Standards. Prerequisites: Ten hours of education courses and ten hours of courses in teaching area major.

SCI 393. Interdisciplinary Studies in Science. (2 to 4 Credits)
Interdisciplinary study of topics in the natural sciences. Prerequisite: a CATC SP lab course.

SCI 494. Nursing Capstone. (2 Credits)
The capstone seminar will evaluate contemporary issues within nursing and healthcare with special attention to some biblical responses to these issues. This course provides opportunity to observe the field of nursing firsthand through a required shadowing internship, and to study the scope of healthcare in the U.S. Prerequisites: Junior standing, declared LA-Nursing major, consent of instructor. (lin)
SOCIAL SCIENCE (SSCI)

SSCI 321. Elementary and Middle School Curricular Themes in the Social Sciences. (2 Credits)
Focuses on Social Science content (history, economics, political science, sociology, anthropology, and geography) and effective methods for teaching the social sciences in elementary and middle schools. Concurrent with EDUC 311, 311L, 312, 315, 317, 305L, SCI 322. Prerequisites: EDUC 135, 136, 136L, 225, 225L, 305, MATH 125 and admission to WheTEP.
SOCIAL WELFARE (SWEL)

SWEL 331. Introduction to Social Welfare. (2 Credits)
Examination and critique of the social welfare institution in America; its history, value orientation, issues past and present, and the agencies through which social welfare is administered. Christian perspective, agency visits, and field trip.

SWEL 332. Human Services Practice. (2 Credits)
Development of self-awareness for the human services professional. Introduction to methods used in social work practice, interviewing, assessment, and treatment planning. Professional social workers as guest speakers.

SWEL 496. Social Work Internship. (4 or 8 Credits)
A field experience providing opportunities for observation and participation in selected welfare agencies. Knowledge of community resources; skill and technique development; theory-in-practice experience. Offered as a block placement for an entire semester. Placements are made in the Chicago area. Sociology majors may apply eight hours of internship credit toward one sociology elective course. Prerequisites: SWEL 331, 332. See department for details.
SOCIOLOGY (SOC)

SOC 115. Introduction to Sociology. (4 Credits)
An overview of the theory, methodology, and conceptualizations of the discipline of sociology. Offers the opportunity to develop an understanding of American society and the diversity within it.
Tags: DUS, SI

SOC 116. Introduction to Sociology. (4 Credits)
An overview of the theory, methodology, and conceptualization of the discipline of sociology. Offers opportunity to develop an understanding of society in the United States and beyond.
Tags: SI

SOC 228. Sociology of Sexuality. (2 Credits)
This class will explore issues of identity as sexual individuals, the role of sexuality in our broader society, and the linkages between sexuality and violence. As sexuality affects both individuals and the larger society, this class aims to equip and challenge students in building a positive and God-honoring conception of sexuality in their own lives and their engagement in the world. Prerequisite (or requisite): Open to sophomores, juniors, and seniors.

SOC 238. Contemporary Social Concerns. (2 Credits)
An in-depth seminar focusing on major concerns of society, such as: problems of youth, the elderly, AIDS, homelessness, human rights, prison reform, and toxic waste.

SOC 241. Social Psychology. (4 Credits)
See PSYC 241.
Tags: SI

SOC 251. Culture, Media, and Society. (4 Credits)
Americans are surrounded by the culture and media: television, movies, music, stories and narratives, the Internet and Facebook, cultural norms and values, advertising and more vie for our attention each day. How are these social forms generated and sustained? How do we make sense of them from a sociological and Christian perspective? Students will learn and apply three analytic approaches to culture (repertoires, production, and narratives) as they consider how everyday interactions with culture and media affect Evangelical life. Note: This course does not fulfill the entire VPA theme and covers only the domain of visual arts.
Tags: SI, VPAV

SOC 321. Sociology of Economic Life. (4 Credits)
In an era of growing economic inequality, this course employs a sociological approach to ask questions about social construction of markets and the moral meanings within them. The goal of the course is to empower students in their roles as economic agents, as well as help them understand the broader structures in which they are engaged.

SOC 325. Violence in Minority Communities. (2 Credits)
Night after night in most urban communities, local news media reveal stories of horrific violence in urban areas. Some of these events are related to gang activities, drug trafficking, turf wars, guns and random shootings. Costs (human and financial) are staggering for authorities in law enforcement, the criminal justice system, the healthcare systems, prisons, as well as, families, communities, schools, and the nation. Many international studies regard the United States as the most violent nation on earth. Why do these conditions exist or persist? What can be done about them, from a Christian perspective? Where are churches relevant? These issues and questions will be addressed in this course from a variety of domains intersecting the sociological perspective and public health.

SOC 327. Violence Against Women. (2 Credits)
All over the world, violence is used to control or harm women and girls. In Criminology, issues related to domestic abuse, rape, sex trafficking, abduction, and sexual homicide are core to the social problems engulfing societies. In Sociology, violence against women involves the corruption and distortion of gender roles via socialization, discrimination, and power. This course analyzes the most rigorous research plus best practices in sociology and criminology (as well as related fields) in order to prevent violence against women in the church and society.

SOC 337. Racial and Ethnic Relations. (4 Credits)
Sociohistorical and cultural aspects of race and ethnicity in America. Through class discussion, films, and research about minority cultures, students explore and examine such sociological concepts as assimilation, conflict, and pluralism. Prerequisite: SOC 115 or SOC 116 and sophomore standing or above, or consent of the instructor.
Tags: DUS

SOC 341. Social & Political Movements. (4 Credits)
Social movements challenge political, economic, and social systems through collective action. We will discuss why social movements occur, how actors become involved, their relationship with the state, and the resources needed to sustain and grow such movements. Using a case study approach, students examine particular social actors and differing views of justice, while being encouraged to further develop their own conception of biblical justice in society.

SOC 347. Gender & Society. (4 Credits)
What does it mean to be male or female? Why do we have these categories? How does gender matter in society? In this class, we focus on unpacking the concept of gender, and investigate the role of social institutions in constructing gender roles and contributing to gender inequalities. There is also an emphasis understanding how issues of gender intersect with those of class, race, and culture.

SOC 355. Social Class & Inequality. (4 Credits)
An examination of the theories and explanations of the origins and perpetuation of social inequality, class, and stratification. Consideration of both classical and modern perspectives, as well as explanations of the relationship among stratification, status, occupation, and mobility; descriptions of various class characteristics and an examination of selected relationships between class and other areas of social participation.

SOC 356. The Family. (4 Credits)
A sociological approach to the practices that exist within families, the relationships between family members, and the social influences that shape the decisions of families. This course will challenge students to think about how religious institutions and politics can strengthen families and individuals within them.

SOC 359. American Suburbanization. (4 Credits)
This course examines how and why American suburbs became the home of a majority of Americans and important centers for economic and cultural life. Emphasis will be placed on understanding and researching nearby suburbs (Wheaton and surrounding communities) and how Christians might respond to suburbia.

SOC 364. Urban Sociology. (4 Credits)
Growth and patterning of city life; social relations and social institutions in the city; examination of urban problems and proposed solutions. Prerequisite: SOC 115 or 116 or consent of the instructor.
SOC 366. Sociology Of Religion. (4 Credits)
Religion as a social phenomenon and its functions for the individual and society. Focus upon religious socialization, measurement of religious behavior, and variety of religious roles; includes organizational forms and relationships to other social institutions. Prerequisite: SOC 115 or 116 or consent of the instructor.

SOC 367. Crime & Delinquency. (4 Credits)
The incidence, nature, and development of crime and delinquency in America; methods of control, treatment, and prevention, including current research and innovations in approaching juvenile and adult offenders. Prerequisite: SOC 115 or 116 or consent of the instructor.

SOC 371. Asians in America. (4 Credits)
This course is designed to help students understand the diversity and histories of “Asian” Americans with a focus on the post-1965 waves. In addition to understanding Asian Americans from sociological and historical categories, we will also examine religion in the Asian American experiences.

SOC 373. Sociology of Education. (4 Credits)
Examines the social role of education in postindustrial societies. Different types of schools and their effects on academic achievement are examined, and students are encouraged to participate in the growth and development of schools where possible. Christian perspectives on education, learning, and schools are emphasized. Prerequisite: SOC 115 or 116 or consent of the instructor.

SOC 376. Sociological Theory. (4 Credits)
A survey of social thought of classical theorists, such as Weber, Durkheim, and Marx, as well as an overview of contemporary social theory. Addresses the various theoretical perspectives, as well as the current lack of consensus in social theory.

SOC 383. Statistics. (4 Credits)
An introduction to statistics common in social research. Topics include descriptive and inferential statistics, hypothesis testing, significance, correlation, analysis of variance, and multiple regression. Emphasis is on application and effectively using a common statistical program (SPSS).

SOC 385. Social Change. (4 Credits)
What forces contribute to social change? In this class, we examine some of the changes that have occurred and are occurring throughout the world that impact the ability of people to live lives of human flourishing. We will explore some of the socio-historical contexts related to social change, such as political forces, economic markets, technological innovation, and demographic and population changes. Students will have an opportunity to focus on contemporary issues related to social change in a specific country of interest. Students will also reflect on a number of different Christian theological documents on globalization, and develop their own faith perspective on what it means to follow Christ in a globalized world.

SOC 399. Social Network Analysis: Theory and Methods. (4 Credits)
Social network analysis is at the core of sociology in the 21st century, with international implications in education, law enforcement, and many other fields. A vast arena of research possibilities currently exists for using social networks to study churches, denominations, parachurch ministries, academic institutions and communities of all kinds. This course examines the history, components, and applications of social network analysis. Using Mathematica, students will complete supervised research projects using methods in social network analysis.

SOC 412. Advanced Topics in Sociology. (2 Credits)
This course is aimed at students capable of or interested in graduate level study. There will be a specific theme for each semester of the course, and these will not be repeated two years in a row. Some possible examples include advanced methodology, gender and international development, and immigration and policy.

SOC 414. Advanced Topics in Sociology. (4 Credits)
This course is aimed at students capable of or interested in graduate level study. There will be a specific theme for each semester of the course, and these will not be repeated two years in a row. Some possible examples include mathematical sociology, advanced methodology, historical and comparative sociology, economic and organizational sociology, and social network analysis. Prerequisite: SOC 376 or SOC 383 or permission of instructor.

SOC 482. Social Research. (4 Credits)
Introduces students to techniques and methods for scientific research in the social sciences including surveys, experiments, field research, coding, and more. A cumulative project follows the steps of producing social science research including developing a research question, writing a literature review, and explaining the use of data and methods. Corequisites or Prerequisites: SOC 115, 116, SOC 376, 383, or consent of the instructor.

SOC 492. Thesis Research. (4 Credits)
Students will work closely with the faculty advisor to collect and analyze data, write a senior thesis paper, and present their research in a public setting. They will also work with other students to workshop papers. Required for the sociology major. Prerequisite: SOC 494

SOC 494. Senior Capstone. (4 Credits)
A capstone seminar focusing on the integration of sociology and Christianity. Examination of the philosophies, literature, and research of selected problem areas in the discipline. Recommended for seniors. Prerequisites: SOC 115 or 116; SOC 376 or consent of the instructor.

SOC 495. Independent Study. (1 to 4 Credits)
Guided reading and research for the advanced major or research internship in ongoing institutional or faculty research. Formal student proposal required.

SOC 496. Internship in Sociology. (4 or 8 Credits)
Credit given in connection with internship assignment in social research, criminal justice, law, urban ministries, urban planning, or social policy. Offered as a block placement for an entire semester on or off campus (in the Chicago area). Sociology majors may apply eight hours of internship credit toward one sociology elective course. See department for details, including course prerequisites.
SPANISH (SPAN)

SPAN 101. Elementary Spanish. (4 Credits)
Beginning Spanish with emphasis on listening comprehension, speaking, reading, and writing. Introduction to aspects of culture of Spanish-speaking communities. Online drill work. Cannot receive credit for both (SPAN 101, 102) and SPAN 103.

SPAN 102. Elementary Spanish. (4 Credits)
Beginning Spanish with emphasis on listening comprehension, speaking, reading, and writing. Introduction to aspects of culture of Spanish-speaking communities. Online drill work. Cannot receive credit for both (SPAN 101, 102) and SPAN 103.

SPAN 103. Accelerated Elementary Spanish. (4 Credits)
Intensive study of elementary Spanish with emphasis on listening comprehension, speaking, reading, and writing. Introduction to aspects of culture of Spanish-speaking communities. Required of students with only two years of high school Spanish. Online drill work.

SPAN 201. Intermediate Spanish. (4 Credits)
Conversation, composition, and grammar review based on readings and videos; exploration of various aspects of culture of Spanish-speaking communities. Required of students with three or four years of high school Spanish. Online drill work. Prerequisite to any further study in Spanish. Prerequisite: SPAN 102 or 103 (or equivalent)

General Education: COMP

SPAN 331. Spanish Conversation. (4 Credits)
Intensive practice in oral communication with emphasis on listening comprehension and natural spoken expression based on videos and readings of authentic materials. Lab fee.

SPAN 332. Advanced Grammar and Composition. (4 Credits)
Intensive grammar review and written practice in various forms to improve accuracy and authenticity of expression. Readings, films, and discussion.

SPAN 334. Spanish Culture and Civilization. (4 Credits)
On-site study of Spanish history, architecture, art, politics, and society. Offered in Spain only. Prerequisite: SPAN 331 or 332, Co-requisite: SPAN 352 (Spain country study).

Tags: GP

SPAN 335. Latin American Cultures and Civilizations. (4 Credits)
Readings and discussion of history, geography, political and social structures, various forms of artistic expression particular to Latin America. Recommended for International Relations and Education students.

Tags: GP

SPAN 337. Survey of Spanish American Literature. (4 Credits)
A general survey of the development of Spanish American literature from the pre-Columbian period to the present. Examination and analysis of representative authors and genres.

Tags: GP

SPAN 338. Intensive Advanced Spanish. (4 Credits)
Advanced grammar, conversation, and composition taught by native speakers in Spain or a Latin American university setting. Course content and level variable. Offered in Spain or Latin America only.

SPAN 341. Writing the Empire: Spanish Literature before 1800. (4 Credits)
A general survey of Spanish literature from the beginnings of the language to 1800. Examination and analysis of representative authors and genres. Offered fall semester. Prerequisite: Spanish language proficiency.

Tags: GP, LE

SPAN 342. Global Spain: Spanish Literature after 1800. (4 Credits)
A general survey of Spanish literature from 1800 to the present. Examination and analysis of representative authors and genres. Offered spring semester. Prerequisite: Spanish language proficiency.

Tags: GP, LE

SPAN 352. Topics in Spanish Language and Hispanic Literatures and Culture. (2 Credits)
Varied subjects including genre, author, movement and country studies, film, culture, and advanced language. May be repeated for credit. Prerequisite: SPAN 331 or equivalent or permission of instructor. (2)

SPAN 353. Topics in Spanish Language and Hispanic Literatures and Culture. (4 Credits)
Varied subjects including genre, author, movement and country studies, film, culture, and advanced language. May be repeated for credit. Prerequisite: SPAN 331 or equivalent or permission of instructor. (4)

SPAN 357. Latino Cultures in the United States. (4 Credits)
An introduction to the heterogeneity of cultures, histories and identities encompassed by the term Latino/a including various Latino sub-groups in the United States (Mexican, Caribbean, Central and South American), exploring social, political, economic and linguistic issues surrounding each of these groups today. Themes may include the Latino diaspora, cultural definition as identity, the U.S.-Mexican border, assimilation and resistance, Latino/a stereotyping, language and religion.

Tags: DUS

SPAN 371. Methods of Teaching Foreign Languages. (4 Credits)
The study of various methodologies, theories, and techniques of foreign language teaching; introduction to linguistics for second-language acquisition. Practice in a variety of micro-teaching situations. Required for secondary education licensure; otherwise, an elective toward major or minor.

SPAN 389. Costa Rica Culture & Society. (4 Credits)
The course focuses on the historical development of Costa Rica from the nineteenth century to the present, highlighting fundamental differences between Costa Rica, neighboring Nicaragua, and the rest of Central America. Topics include: banana production, the coffee industry, and tourism. Particular emphasis is given to Christ-centered responses to patterns of poverty, violence, injustice, and ethnic discrimination that such industries have created in Costa Rica and Central America.

Tags: GP

SPAN 439. Topics in Spanish Language and Hispanic Literatures and Culture. (2 or 4 Credits)
Varied subjects including genre and movement studies, film, culture, and advanced language. May be repeated for credit.

SPAN 489. Topics in Hispanic Culture. (2 to 4 Credits)
Varied subjects, including literary and cultural study with emphasis on Christian perspectives of Hispanic culture. Academic site visits. Offered only in Spain or Latin America.

SPAN 493. Mentoring Seminar. (2 or 4 Credits)
Faculty and student collaboration on a project of mutual interest. Limited enrollment - faculty approval required.
SPAN 494. Senior Seminar. (4 Credits)
Examination of literary or cultural topics from perspectives of contemporary critical theory. Students produce a major research paper that integrates faith with the subject matter. Prerequisites: SPAN 331, 332, study abroad; SPAN 341 or 342; SPAN 337. Lab fee required.

SPAN 495. Independent Study. (1 to 4 Credits)
Reading and individual study of selected aspect of Hispanic culture, literature, or language. Department approval required.

SPAN 496. Internship. (2 or 4 Credits)
Department approval required. Graded pass/fail. Prerequisite: junior or senior standing with Spanish major.
URBAN STUDIES (URBN)

URBN 114. Social Life of Cities. (4 Credits)
This course introduces students to the study of cities and their associated social phenomena, while drafting a biblically informed perspective upon various urban issues. Students engage a broad range of research upon cities in a variety of domestic and international contexts through class readings, lectures and multimedia presentations. Key concepts which have been used to characterize the distinctiveness of urban life are introduced and discussed, with attention to the comparative experiences of contemporary cities.
Tags: GP, SI

URBN 231. Chicago: An Introduction. (2 Credits)
Survey of the city’s ethnic, economic, and institutional diversity will be presented through lectures, slides, and field trips. Special emphasis on the problems and promises of urban life.

URBN 233. Chicago. (4 Credits)
This course explores the social dynamics of Chicago, a city defined by its "elegant façade and deeply shadowed backstage," to quote one scholar. Students will learn about Chicago’s history, as well as several contemporary issues and controversies, by focusing on economic history, race, race relations, ethnicity, and immigration, and environmental justice.
Tags: DUS, SI

URBN 296. Urban Studies Practicum. (2 or 4 Credits)
Supervised field placements and mentorship in urban contexts. Students must have sophomore standing to be eligible. Provides opportunities for vocational discernment and requires students to think through the ways in which their field experience will inform the coursework they will complete as juniors and seniors.

URBN 321. Urban Issues and Active Faith. (2 Credits)
An interdisciplinary course designed to help students integrate their internship, classroom, and daily life experiences while living in the city under the Wheaton in Chicago program.

URBN 352. Topics in Urban Studies. (2 Credits)
Selected topics, designed to give added breadth and depth to the understanding of cities and Urban Studies. May include such subjects as "The Chicago School" of Urban Studies, Urban Planning & Contemporary Environments, and The City in Film. Occasional.

URBN 354. Topics in Urban Studies. (4 Credits)
Selected topics, designed to give added breadth and depth to the understanding of cities and Urban Studies. May includes such subjects as "The Chicago School" of Urban Studies, Urban Planning & Sustainable Environments, and The City in Film. Occasional.

URBN 362. Global Cities: Cities and the World. (4 Credits)
This course examines the effects of globalization on major urban centers in the world system, comparing and contrasting cities in North American, Europe, Africa, and Asia. Students will study the economic, political, and social impact, as well as responses of government and civil society.

URBN 371. Race, Poverty, and Reconciliation. (4 Credits)
This course examines the social, economic and spiritual factors involved in racial reconciliation and overcoming poverty and how people of faith are developing strategies to build bridges across racial and economic barriers.

URBN 373. The City in Popular Culture. (2 Credits)
Explores common representations of the city as they emerge within the media of popular culture. These characterizations of the city are critically considered within frameworks of anthropological analysis and therefore highlight issues of meaning, practice, history and human agency. (2)

URBN 383. Cities in the Global South. (2 Credits)
Cities in the global south today face a variety of challenges, requiring careful negotiation through policy and everyday practice. This course introduces students to the particular issues which colonial histories and peripheral participation in global markets have produced in some key cities of the global south. Strategies and innovations for future development are presented as possibilities for local agency and transformation.

URBN 385. Urban Politics. (2 Credits)
See PSCI 385.

URBN 391. Community-Based Research in Urban Public Health. (4 Credits)
Theory and practice of public health program planning and evaluation in partnership with community public health organizations in urban Chicago. Students will integrate principles of community building and organizing to address community-identified health issues in the context of social change. Emphasis will be placed upon the development of faith-based cultural humility for the recognition and empowerment of existing healthy community assets for the improvement of urban health and quality of life. Quantitative and qualitative research methods will be utilized and integrated throughout all phases of health planning and program evaluation. Prerequisites: AHS 378 and AHS 381. $50 course fee.

URBN 393. Placemaking in Urban Contexts. (2 Credits)
Explores the processes by which particular configurations of history, identity and landscape are transformed into identifiable and meaningful places in the construction and development of cities. Case studies will be drawn from multiple cities around the world, including Scotland, China, and Africa and will examine the use of local and global narratives, images, and logics, highlighting the socially contested and constructed nature of this process.

URBN 399. Pre-field Preparation. (0 Credits)
Prepares students for undertaking a field experience in Chicago with the Wheaton in Chicago program. Through correspondence with a faculty member in Urban Studies, students are introduced to relevant practical issues and challenges, particularly related to cross-cultural competencies, as well as many resources which will be available to them through the duration of their experiential education program. This course equips students to maximize the impact of their urban field experience, develop practical intercultural skills, and positively and holistically contribute to life in a community.

URBN 455. American Urban History. (4 Credits)
Examines how urbanization has shaped and directed much of America’s social, cultural, political, and economic development from colonial times to the present. Lecture, discussion, readings from primary sources.

URBN 494. Advanced Urban Studies Seminar. (2 Credits)
This capstone course requires integrative, interdisciplinary reflection upon emerging urban forms, urban field experiences, and vocation. Undergraduate students must have completed and urban field experience (e.g., Wheaton in Chicago) or internship prior to enrolling in the course, unless they secure the consent of the Urban Studies Program Director.

URBN 495. Independent Study. (2 to 4 Credits)
Directed reading and research during the student’s urban field experience.
URBN 496. Internship. (2 to 8 Credits)
Supervised field experience in an urban setting, usually Chicago. The internship is designed to meet the particular interests of the student, as well as the needs of the host organization and neighborhood. Graded pass/fail.
FINANCIAL INFORMATION

- Financial Aid (p. 468)
- Endowed Scholarship Funds (p. 472)

Expenses

The expenses at Wheaton are moderate and are kept so by the generous gifts and grants from individuals and foundations and by the income from its endowment. Students pay for about seventy percent of the cost of their education; substantial sums are raised annually by the College to cover the difference between what the student pays and the cost of operation.

The tuition rate includes most miscellaneous items for which separate charges are usually made, such as library, student center, and various student activities. Some limitations apply to part-time students.

Substantial student aid funds are available for many students from College, government, and self-help sources. No student should fail to apply to Wheaton for financial reasons.

All costs listed here are as accurate as possible at the time of publication but could be subject to change.

Undergraduate Costs

<table>
<thead>
<tr>
<th>Charge</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate Tuition:</td>
<td></td>
</tr>
<tr>
<td>12 to 18 hours, per semester</td>
<td>$18,850</td>
</tr>
<tr>
<td>Hours over 18, per hour</td>
<td>1,047</td>
</tr>
<tr>
<td>Less than 12 hours, per hour</td>
<td>1,571</td>
</tr>
<tr>
<td>Special Students (1-8 hours only), per hour</td>
<td>1,047</td>
</tr>
<tr>
<td>Undergraduate Audit, Wheaton student, per course</td>
<td>50</td>
</tr>
<tr>
<td>Undergraduate Audit, non-Wheaton student, per course</td>
<td>100</td>
</tr>
<tr>
<td>Board, per semester (subject to change):</td>
<td></td>
</tr>
<tr>
<td>18 AYCE meal plan + $50 in “Thunder Bucks”</td>
<td>2,165</td>
</tr>
<tr>
<td>14 AYCE meal plan + $50 in “Thunder Bucks”</td>
<td>1,970</td>
</tr>
<tr>
<td>10 AYCE meal plan + $50 in “Thunder Bucks”</td>
<td>1,815</td>
</tr>
<tr>
<td>210 AYCE Block + $50 in “Thunder Bucks”</td>
<td>2,165</td>
</tr>
<tr>
<td>160 AYCE Block + $50 in “Thunder Bucks”</td>
<td>1,970</td>
</tr>
<tr>
<td>65 AYCE Block</td>
<td>750</td>
</tr>
<tr>
<td>Room, per semester; double occupancy (subject to change)</td>
<td>3,090</td>
</tr>
<tr>
<td>F1 Visa holding (non-resident) students mandatory insurance (per year for 12 month coverage)</td>
<td>1,500</td>
</tr>
<tr>
<td>Residential vehicle overnight parking permit, per year (for college apt and dorm students)</td>
<td>245</td>
</tr>
</tbody>
</table>

Commuter student vehicle parking permit, per year: 165

1 AYCE means “All You Can Eat.”
2 "Thunder Bucks" is flexible money for use only in Sam’s and Stupe Grill which are located in the Beamer Student Center.

Service Charges

<table>
<thead>
<tr>
<th>Charge</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Fee</td>
<td>50</td>
</tr>
<tr>
<td>Admission Deposit</td>
<td>300</td>
</tr>
<tr>
<td>New student orientation fee</td>
<td>125</td>
</tr>
<tr>
<td>Late Registration</td>
<td>75</td>
</tr>
<tr>
<td>Late Payment Fee</td>
<td>75</td>
</tr>
</tbody>
</table>

Conservatory of Music Fees

<table>
<thead>
<tr>
<th>Charge</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUCS, MUEP, MUIP, MUMS, MUTC per credit hour unless otherwise noted below:</td>
<td>50</td>
</tr>
<tr>
<td>Music Context Studies (MUCS):</td>
<td></td>
</tr>
<tr>
<td>Intro to Music: Historical Survey (MUCS 101)</td>
<td>0</td>
</tr>
<tr>
<td>Intro to Music: Interdisciplinary Emphasis (MUCS 102)</td>
<td>0</td>
</tr>
<tr>
<td>Intro to Music: 20th Century &amp; World Music (MUCS 103)</td>
<td>0</td>
</tr>
<tr>
<td>Instrument Literature Classes (MUCS 323, MUCS 324, MUCS 326, MUCS 327, MUCS 328, MUCS 329, MUCS 331)</td>
<td>250</td>
</tr>
<tr>
<td>Music Ensemble Performance (MUEP):</td>
<td></td>
</tr>
<tr>
<td>Large Ensemble Fee (MUEP 213 - MUEP 218)</td>
<td>185</td>
</tr>
<tr>
<td>Opera Mainstage (MUEP 356, MUEP 357)</td>
<td>375</td>
</tr>
<tr>
<td>Jazz Combo (MUEP 358)</td>
<td>185</td>
</tr>
<tr>
<td>Chamber Music (MUEP 371)</td>
<td>185</td>
</tr>
<tr>
<td>Music Individual Performance (MUIP):</td>
<td></td>
</tr>
<tr>
<td>Private Lessons (MUIP 101 - MUIP 122) 2 credits</td>
<td>530</td>
</tr>
<tr>
<td>Private Lessons (MUIP 201 - MUIP 422, MUIP 401 - MUIP 422) 2-4 credits</td>
<td>795</td>
</tr>
<tr>
<td>Small Group Lessons (MUIP 131, MUIP 141)</td>
<td>250</td>
</tr>
<tr>
<td>Class Piano (MUIP 223 - MUIP 227)</td>
<td>375</td>
</tr>
<tr>
<td>Coaching (MUIP 232)</td>
<td>530</td>
</tr>
<tr>
<td>Music Method Studies (MUMS):</td>
<td></td>
</tr>
<tr>
<td>Music Performance Seminar (MUMS 101)</td>
<td>0</td>
</tr>
</tbody>
</table>
Course Fees

<table>
<thead>
<tr>
<th>Charge</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHS 351 Lab fee</td>
<td>150</td>
</tr>
<tr>
<td>AHS 361</td>
<td>75</td>
</tr>
<tr>
<td>AHS 362</td>
<td>10</td>
</tr>
<tr>
<td>AHS 452</td>
<td>75</td>
</tr>
<tr>
<td>ANTH 385</td>
<td>300</td>
</tr>
<tr>
<td>Biology Labs (not including excessive loss or breakage, which is billed)</td>
<td>85</td>
</tr>
<tr>
<td>BIOL 348 (Approximate cost of travel, etc.)</td>
<td>2,200</td>
</tr>
<tr>
<td>Chemistry Labs (not including excessive loss or breakage, which is billed)</td>
<td>95</td>
</tr>
<tr>
<td>CFM 121, 122, 123, 124, 125</td>
<td>95</td>
</tr>
<tr>
<td>CFM 131</td>
<td>695</td>
</tr>
<tr>
<td>COMM 271, COMM 374</td>
<td>100</td>
</tr>
<tr>
<td>CORE 308</td>
<td>150</td>
</tr>
<tr>
<td>CORE 338</td>
<td>60</td>
</tr>
<tr>
<td>EDUC 311 Field Trip</td>
<td>15</td>
</tr>
<tr>
<td>EDUC 311L</td>
<td>50</td>
</tr>
<tr>
<td>EDUC 494</td>
<td>300</td>
</tr>
<tr>
<td>EDUC 497</td>
<td>250</td>
</tr>
<tr>
<td>ENGR 125</td>
<td>65</td>
</tr>
<tr>
<td>ENVR 221 Lab Fee</td>
<td>25</td>
</tr>
<tr>
<td>ENVR 221 Field Trip</td>
<td>15</td>
</tr>
<tr>
<td>ENVR 315 Lab Fee</td>
<td>50</td>
</tr>
<tr>
<td>ENVR 381 Lab Fee</td>
<td>25</td>
</tr>
<tr>
<td>General Education Competency Exams</td>
<td>5-30</td>
</tr>
<tr>
<td>Geology Labs</td>
<td>25</td>
</tr>
<tr>
<td>Geology Field Trips GEOL 211, GEOL 355</td>
<td>35</td>
</tr>
<tr>
<td>GEOL 336, GEOL 437</td>
<td>40</td>
</tr>
<tr>
<td>GEOL 321, GEOL 443</td>
<td>120</td>
</tr>
<tr>
<td>GEOL 344, GEOL 413</td>
<td>120</td>
</tr>
<tr>
<td>GEOL 332</td>
<td>Varies</td>
</tr>
<tr>
<td>HNGR 385</td>
<td>300</td>
</tr>
<tr>
<td>HNGR 494</td>
<td>350</td>
</tr>
<tr>
<td>Modern and Classical Languages</td>
<td></td>
</tr>
<tr>
<td>CHIN 331 lab fee</td>
<td>0</td>
</tr>
<tr>
<td>FREN 331 lab fee</td>
<td>25</td>
</tr>
<tr>
<td>SPAN 331 lab fee</td>
<td>25</td>
</tr>
<tr>
<td>GERM 341 lab fee</td>
<td>25</td>
</tr>
<tr>
<td>FREN 494/GERM 494/SPAN 494 Senior Seminar lab fee</td>
<td>25</td>
</tr>
<tr>
<td>Competency Exams</td>
<td>25-400</td>
</tr>
<tr>
<td>Assessment Testing</td>
<td>25-75</td>
</tr>
<tr>
<td>Language Placement Exams</td>
<td>10-20</td>
</tr>
<tr>
<td>MSCI 301, MSCI 401</td>
<td>25</td>
</tr>
<tr>
<td>NEUR 241</td>
<td>100</td>
</tr>
<tr>
<td>Physics Labs</td>
<td>65</td>
</tr>
<tr>
<td>SCI 311 Field Trip</td>
<td>30</td>
</tr>
<tr>
<td>SCI 322 Materials</td>
<td>10</td>
</tr>
</tbody>
</table>

Service charges are nonrefundable. Course fees for officially dropped courses are refunded as follows:

- 100% before the end of the second week of the semester
- None thereafter unless approved by the department

Approximate Fixed Costs per Semester

<table>
<thead>
<tr>
<th>Charge</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$18,850</td>
</tr>
<tr>
<td>Board, per semester:</td>
<td></td>
</tr>
<tr>
<td>18 AYCE meal plan + $50 in &quot;Thunder Bucks&quot;</td>
<td>2,165</td>
</tr>
<tr>
<td>14 AYCE meal plan + $50 in &quot;Thunder Bucks&quot;</td>
<td>1,970</td>
</tr>
<tr>
<td>10 AYCE meal plan + $50 in &quot;Thunder Bucks&quot;</td>
<td>1,815</td>
</tr>
<tr>
<td>65 AYCE Any Meal Plan</td>
<td>750</td>
</tr>
<tr>
<td>Room, per semester:</td>
<td></td>
</tr>
<tr>
<td>Double/Triple/Quad occupancy</td>
<td>3,090</td>
</tr>
<tr>
<td>Single occupancy</td>
<td>3,330</td>
</tr>
<tr>
<td>House/Apartment/Singles Students</td>
<td>3,330</td>
</tr>
<tr>
<td>1-Bedroom Apartment/Married Students</td>
<td>5,905</td>
</tr>
<tr>
<td>2-Bedroom Apartment/Married Students w/Families</td>
<td>7,005</td>
</tr>
<tr>
<td>House/Married Students w/Families</td>
<td>7,815</td>
</tr>
<tr>
<td>North Housing Townhouses</td>
<td>3,615</td>
</tr>
<tr>
<td>North Housing Houses</td>
<td>3,615</td>
</tr>
<tr>
<td>Books, supplies, travel, personal miscellaneous (estimated indirect costs)</td>
<td>2,800</td>
</tr>
</tbody>
</table>

1 AYCE means "All You Can Eat."
2 "Thunder Bucks" is flexible money for use only in Sam’s and Stupe Grill which are located in the Beamer Student Center.
### Graduate Costs

<table>
<thead>
<tr>
<th>Charge</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Graduate Tuition:</strong></td>
<td></td>
</tr>
<tr>
<td>M.A. Graduate Tuition, per hour</td>
<td>$700</td>
</tr>
<tr>
<td>Ph.D. Graduate Tuition, per hour (including summer courses)</td>
<td>$1,000</td>
</tr>
<tr>
<td>Psy.D. Graduate Tuition, per hour (including summer courses)</td>
<td>$1,070</td>
</tr>
<tr>
<td>Graduate Audit, Wheaton student, per course</td>
<td>50</td>
</tr>
<tr>
<td>Graduate Audit, non-Wheaton student, per course</td>
<td>100</td>
</tr>
<tr>
<td><strong>Service Fees:</strong></td>
<td></td>
</tr>
<tr>
<td>Application Fee, M.A.</td>
<td>30</td>
</tr>
<tr>
<td>Application Fee, Psy.D. and Ph.D.</td>
<td>50</td>
</tr>
<tr>
<td>Admission Deposit, M.A.</td>
<td>100</td>
</tr>
<tr>
<td>Admission Deposit, Psy.D.</td>
<td>200</td>
</tr>
<tr>
<td>Admission Deposit, Ph.D.</td>
<td>500</td>
</tr>
<tr>
<td>Commuter student vehicle parking permit, per year</td>
<td>165</td>
</tr>
<tr>
<td>F1 Visa holding (non-resident) students mandatory insurance (per year for 12 month coverage)</td>
<td>1,500</td>
</tr>
<tr>
<td>Late Registration</td>
<td>75</td>
</tr>
<tr>
<td>Late Payment Fee</td>
<td>75</td>
</tr>
<tr>
<td><strong>Course Fees:</strong></td>
<td></td>
</tr>
<tr>
<td>Biblical Exegesis Competency Exam</td>
<td>20</td>
</tr>
<tr>
<td>BITH 692 Graduate Comprehensive Exam Fee</td>
<td>25</td>
</tr>
<tr>
<td>CFM 521 Spiritual Formation Retreat</td>
<td>30</td>
</tr>
<tr>
<td>CFM 683 Integrative Seminar</td>
<td>150</td>
</tr>
<tr>
<td>CMHC 624 Issues and Ethics in Professional Practice Course Fee (Program Counseling fee—1st semester)</td>
<td>480</td>
</tr>
<tr>
<td>CMHC 691 Comprehensive Exam</td>
<td>75</td>
</tr>
<tr>
<td>EDUC 511 Field Trip</td>
<td>15</td>
</tr>
<tr>
<td>EDUC 587 Course Fee</td>
<td>250</td>
</tr>
<tr>
<td>EVAN 692, HDI 692, INTR 692, MIN 692, MISS 692 Comprehensive Exam Fee</td>
<td>75</td>
</tr>
<tr>
<td>Thesis/Applied Thesis Continuation Fee</td>
<td>50</td>
</tr>
<tr>
<td>Thesis/Project Re-entry Fee</td>
<td>75</td>
</tr>
<tr>
<td><strong>Apartment Rentals and other:</strong></td>
<td></td>
</tr>
<tr>
<td>Board, per semester; 18-meal plan + $50 in &quot;Thunder Bucks&quot;</td>
<td>2,165</td>
</tr>
<tr>
<td>Single students, per semester</td>
<td>3,330</td>
</tr>
<tr>
<td>Couples—one bedroom, per semester</td>
<td>5,905</td>
</tr>
<tr>
<td>Families-two bedroom, per semester</td>
<td>7,005</td>
</tr>
<tr>
<td>Residential vehicle overnight parking permit, per year (for college apt and dorm students)</td>
<td>245</td>
</tr>
</tbody>
</table>

Graduate students taking undergraduate courses must pay course fees as listed in the undergraduate costs section.

### Payment Information & Policies (Settlement of Accounts)

All bills are to be paid at the beginning of each semester and received by the established due date shown on each semester bill and in the college calendar. In mid-July and in mid-December, students will receive an email, instructing them to go online and to view and pay their bill. In order for parents to see the bill or statement, the student must sign them up to be an authorized user. Payments can be made online via electronic check (free), and credit or debit cards (a 2.85% service fee will be assessed on this method of payment). Student Financial Services will continue to accept check and cash as other forms of payment.

An unpaid account may result in the cancellation of the student’s enrollment and will be assessed a $75 late penalty plus a 1 ½% charge per month on the unpaid balance.

The admissions deposit will be applied to the student’s account upon enrollment.

Wheaton College offers payment plans for students who wish to finance the cost of education throughout the school year. Visit the Student Financial Services website at: https://www.wheaton.edu/about-wheaton/offices-and-services/student-financial-services-office/ contact the Student Financial Services at SFS@wheaton.edu for more information.

Students with unpaid student accounts are not permitted to re-enroll or receive diplomas and transcripts, until their balance is paid in full. These accounts will be subject to credit bureau reporting after enrollment ceases. Past due balances may be turned over to a collection agency. Accounts that are assigned will be responsible for principal, interest, late charges, and collection costs.

### Due Dates for the 2019-20 Academic Year

Payment will be due on the first Wednesday of each term. Based on the approved calendar these dates are:

<table>
<thead>
<tr>
<th>Semester</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>Wednesday, August 28, 2019</td>
</tr>
<tr>
<td>Spring</td>
<td>Wednesday, January 15, 2020</td>
</tr>
<tr>
<td>Summer</td>
<td>Monday, May 31, 2020</td>
</tr>
</tbody>
</table>

Payment in full is required at least two weeks prior to leaving for overseas programs.

### Refunds on Tuition

**Effective Dates for Refund.** Refunds are computed on the date the course drop application is filed in the Registrar’s Office, or on the date of the application for withdrawal given by the Student Development Office. The weeks listed below begin on the first day of the semester regardless of the day a student begins attending classes. No tuition refund will be given after week nine for full semester courses.
Reduction of Load. To decrease a student’s load, a drop form with the required signatures must be filed with the Registrar. Full refund is allowed for any resulting difference in tuition charge filed during the first two weeks of the course; and none thereafter.

Withdrawal from College. To withdraw from college during a semester, a student must initiate the withdrawal process (at the Student Development Office for undergraduate students, and the Office of the Director of Graduate Student Care for graduate students) and deliver the completed withdrawal card with the required approvals to the Registrar’s Office. See above for the effective date of refund.

Refunds are allowed as follows:

- 100% before the end of the second week of the semester
- 80% the third week
- 70% the fourth week
- 60% the fifth and sixth weeks
- 50% the seventh week
- 40% the eighth and ninth weeks
- None thereafter

(For specific dates, see Registrar’s calendar (p. 498) in this catalog.)

Part-time students who enroll only in courses scheduled for eight weeks are allowed the following refund: 100% during the first week of the half session; 80% during the second week; 60% during the third and fourth weeks; 40% during the fifth week; and none thereafter.

For the student who has received financial aid, a refund schedule is used which is consistent with the current government regulations. This schedule is published and available to students in Student Financial Services.

Other Refunds

Room. After the semester has begun, refunds will be made on a per day charge.

Board. Refunds will be made on a per day charge from the date the ID meal ticket is returned.

Service charges are not refundable.

Course Fee Refunds.

- 100% if dropped by the end of the second week of the course;
- None thereafter unless approved by the department.

Some course fees have nonrefundable amounts—see description of Course Fees (p. 465).
FINANCIAL AID

Undergraduate Financial Aid

Most Wheaton College financial aid is allocated on the basis of need as demonstrated by the Free Application for Federal Student Aid (FAFSA). This analysis of family information is required and approved by federal law and is used to determine the Expected Family Contribution (EFC) by the Federal Methodology. Students must be enrolled full-time to receive maximum aid; however, degree students enrolled less than full-time may receive reduced aid awards.

All students seeking financial assistance are required to submit the FAFSA annually. This serves as the financial aid application for federal, institutional, and Illinois state funds (if applicable). Since awards are made on a first-come, first-served basis, and funds are limited, the FAFSA should be completed as early as possible after October 1. FAFSAs may be completed online at http://studentaid.ed.gov/sa/fafsa.

Merit scholarships are available to students meeting certain criteria. Some merit scholarships include a minimum cumulative GPA requirement to be renewed annually. Conservatory of Music merit scholarships require participation in ensembles and enrollment in the Conservatory of Music to be renewed annually. A separate application for these awards is not necessary.

Federal Direct PLUS loans, which are not based on need, are available to parents to help cover their expected contribution. For more details about Federal PLUS loans, please visit http://www.wheaton.edu/admissions-and-aid/cost-and-aid/undergraduate-students/loans/supplemental-loans or contact Student Financial Services.

The following states allow students to receive state grant funds even if they attend college in another state: Alaska, Delaware, and Vermont. Students must apply for these funds and must complete the forms provided by their state. The application for Illinois residents is combined with the FAFSA.

For financial aid purposes, full-time enrollment for undergraduate students in the summer term is 12 hours and half-time is 6 hours.

Questions pertaining to financial aid should be directed to one of our financial aid advisors or see the website at http://www.wheaton.edu/admissions-and-aid/cost-and-aid.

Refunds and the "Return of Title IV Funds" Policy

If a student withdraws or is expelled from Wheaton, the school or the student may be required to return some of the federal funds awarded to the student. The student may also be eligible for a refund of a portion of the tuition, fees, room, and board paid to Wheaton for the semester according to the College refund policy (p. 464). If the student received financial assistance from outside of the family, a portion of the refund will be returned to the grant, scholarship, or loan source from which the assistance was received.

The federal "Return of Title IV Funds" formula dictates the amount of Federal Title IV aid that must be returned to the federal government by the school and the student. The federal formula is applicable to a student receiving federal financial assistance in the form of a Federal Pell Grant, Federal Supplemental Educational Opportunity Grant, Federal Perkins loan, Federal Direct Stafford loan, or Federal PLUS loan, and who withdrew before completing 60% of the semester. The percentage of Title IV aid to be returned is equal to the number of calendar days remaining in the semester divided by the number of calendar days in the semester. Scheduled breaks of more than four consecutive days are excluded. If any funds are to be returned after the return of Title IV aid, they will be used to repay Wheaton funds, state funds, other private sources, and the student in proportion to the amount received from each nonfederal source as long as there is no unpaid balance at the time of withdrawal. If there was an unpaid balance, then all aid sources will be repaid before any funds are returned to the student.

NOTE: If funds are released to a student because of a credit balance on the student’s account, the student may be required to repay some of the federal grants if the student withdraws.

Worksheets used to determine the amount of refund or return of Title IV aid are available upon request. The following example illustrates how the policy would apply:

EXAMPLE: Suppose a student withdraws on the 53rd day of classes of a 107 calendar day semester. Also, suppose that the student budget for the semester was $17,950. Financial aid was paid as follows: $2,723 Federal Direct Stafford Loan, $2,340 Pell Grant, and an $800 Federal FSEOG. Under the Federal “Return of Title IV Aid” policy, $2,723 would be paid back on the Federal Direct Stafford Loan, and $238 would be returned to the Federal Pell Grant.

The same percentage used to calculate the institutional aid refund will also be used to calculate the MAP (Illinois Monetary Assistance Program) refund.

Special Scholarships

Arthur Holmes Faith and Learning Scholarship—Wheaton College awards this merit-based scholarship to incoming freshmen who have a minimum SAT score of 1450 (Critical Reasoning or Math sections) or a minimum ACT score of 32 plus a minimum 3.7 unweighted GPA on a 4.0 scale. The award is $5,000 and renewable up to four years with a 3.0 GPA at Wheaton College.

Presidential Leadership Award—Recipients will have demonstrated solid academic performance, depth of Christian faith, and exceptional leadership capabilities. There are three scholarship levels: the Blanchard Leadership Award is $20,000, the Edman Leadership Award is $10,000, and the Ammering Leadership Award is $5,000 and all are renewable up to four years by maintaining a 3.0 GPA at Wheaton College.

National Merit Scholarship—Wheaton is a sponsor in the National Merit Scholarship Program and offers this scholarship to National Merit Finalists indicating Wheaton as their first college choice. The awards for incoming freshmen for the fall of 2017 are $1,000-$2,000, renewable up to four years. The award may be sponsored by either Wheaton College, the National Merit Scholarship Corporation, or a third-party organization. If a corporation, including the National Merit Corporation, sponsors a finalist for a National Merit Scholarship, Wheaton will instead supplement that scholarship for a combined total of up to $2,000 based on financial need.

Presidential Honor and Special Achievement Award in Music—Awards of $1,000-$5,000 each, most renewable, are granted to 16-20 students accepted into a Conservatory of Music Program on the basis of outstanding musical and academic ability as demonstrated by the application, audition, and interview. Certain restrictions apply to both awards.

Army ROTC Scholarships—Four-year, full-tuition scholarships are offered by the U.S. Army to outstanding students enrolling in the ROTC program. Detailed scholarship information and links to applications are available.
from ROTC units and high school counselors across the country, on Wheaton College's website (http://www.wheaton.edu/Academics/Departments/ROTC/Scholarships), or the U.S. Army ROTC Homepage (www.armyrotc.com (http://www.armyrotc.com)). Four-year scholarships are offered out of high school, on-campus two- and three-year scholarships, and two-year scholarships available for graduate students. Interested students should contact the Department of Military Science for more information at 630.752.5121 or 630.752.5367, or at Jenkins Hall. Fax: 630.752.5031. Send email to: military.science@wheaton.edu (http://www.wheaton.edu/rotc) Army ROTC full-tuition scholarship recipients are not eligible for need-based Wheaton Grant funds.

Certain scholarships are available to students from underrepresented minority groups. They include the Don and Ann Church Scholarship, Alvero L. Nieves Latino Scholarship, and the James E. Burr Scholarship. In addition, freshmen named as finalists in the National Hispanic Scholar Recognition Program may be eligible for the President’s Achievement Award. More information is available from the Multicultural Admissions Counselor in the Admissions Office.

For more information about scholarships and aid available, please check the Scholarships and Aid website at http://www.wheaton.edu/Admissions-and-Aid/Financial-Aid/Undergraduate-Students/Scholarships-and-Aid.

### Graduate Financial Aid

New students will be considered for the Graduate Student Scholarship based on merit criteria as demonstrated on the Grad Admissions Application. Graduate Admissions will notify the student of any merit eligibility. Students seeking additional assistance may apply for loans by submitting the Free Application for Federal Student Aid (FAFSA) \(^1\). Each applicant must remember to indicate Wheaton College (school code 001781) as the school to receive the information. Federal loan eligibility will not be awarded until this information is received.

Students must be enrolled full-time to receive the Graduate Student Scholarship, and at least half-time to receive a Federal Direct Stafford Loan. However, students who have been enrolled full-time throughout their program up to their final semester may request consideration for a pro-rated Graduate Student Scholarship amount for the final semester if they are enrolled at least half-time (in the final semester) and taking credits which will complete their degree requirements. Requests will be considered on an individual basis.

\(^1\) FAFSAs may be completed online at http://www.fafsa.ed.gov. Students can obtain a paper FAFSA by calling the Federal Student Aid Information Center at 1-800-4-FED-AID (1-800-433-3243) or they can download a PDF version from the FAFSA website at http://www.fafsa.gov.

### Refunds and the "Return of Title IV Funds" Policy

If a student withdraws or is expelled from Wheaton, the school or the student may be required to return some of the federal funds awarded to the student. The student may also be eligible for a refund of a portion of the tuition, fees, room, and board paid to Wheaton for the semester according to the College refund policy (p. 464). If the student received financial assistance from outside of the family, a portion of the refund will be returned to the grant, scholarship, or loan source from which the assistance was received.

The federal "Return of Title IV Funds" formula dictates the amount of Federal Title IV aid that must be returned to the federal government by the school and the student. The federal formula is applicable to a student receiving federal financial assistance in the form of a Federal Pell Grant, Federal Supplemental Educational Opportunity Grant, Federal Perkins loan, Federal Direct Stafford loan, or Federal PLUS loan, and who withdrew before completing 60% of the semester. The percentage of Title IV aid to be returned is equal to the number of calendar days remaining in the semester divided by the number of calendar days in the semester. Scheduled breaks of more than four consecutive days are excluded. If any funds are to be returned after the return of Title IV aid, they will be used to repay Wheaton funds, state funds, other private sources, and the student in proportion to the amount received from each nonfederal source as long as there is no unpaid balance at the time of withdrawal. If there was an unpaid balance, then all aid sources will be repaid before any funds are returned to the student.

NOTE: If funds are released to a student because of a credit balance on the student’s account, the student may be required to repay some of the federal grants if the student withdraws.

Worksheets used to determine the amount of refund or return of Title IV aid are available upon request. The following example illustrates how the policy would apply:

**EXAMPLE:** Suppose a student withdraws on the 53rd day of classes of a 107 calendar day semester. Also, suppose that the student budget for the semester was $17,950. Financial aid was paid as follows: a $2,723 Federal Direct Stafford Loan, a $2,340 Pell Grant, and an $800 Federal FSEOG. Under the Federal "Return of Title IV Aid" policy, $2,723 would be paid back on the Federal Direct Stafford Loan, and $238 would be returned to the Federal Pell Grant. The same percentage used to calculate the institutional aid refund will also be used to calculate the MAP (Illinois Monetary Assistance Program) refund.

### Federal Direct Stafford Loans

The most readily available resource to degree-seeking graduate students comes from the Federal Direct Stafford Loan Program. This loan is based on enrollment status and hours carried per term. The unsubsidized Federal Direct Stafford Loan has a fixed interest rate which accrues during enrollment and during the grace period. The interest rate is set based upon the 10-year Treasury Note each year in June for loans first disbursed between July 1st through June 30th of the following year.

Graduate students may borrow up to $20,500 per year, or the total budget cost minus other financial aid received, whichever is less. The maximum aggregate total for the Stafford loan program, including any undergraduate loans, is $138,500.

Students may apply for a Federal Direct Stafford Loan by completing a FAFSA which serves as the loan application. If they have been accepted for enrollment in a degree program or the TESOL Certificate program at Wheaton College Graduate School, and have a current FAFSA on file in the Student Financial Services Office, the loan will be processed.

For additional information about Federal Direct Stafford loans for graduate students, please check http://www.wheaton.edu/graduate-school/financial-aid/loans/stafford/.

### Billy Graham Center Scholarships

The Billy Graham Center Scholarship Program offers financial assistance to carefully selected students in any M.A. degree program at the Wheaton Graduate School—international, furloughing missionaries (both North American and non-North American), health care workers, and North
American pre-field missionary candidates—who are preparing for Christian service outside North America. Also, the program financially assists workers (with preference to those of ethnic minority backgrounds) serving the inner cities and ethnically diverse populations of North America. Awards for international students, North American missionaries, missionary candidates, and workers in urban/ethnic missions are loan/scholarships (25% is forgiven for each year of mission service completed outside North America or within North American inner cities and ethnically diverse populations following completion of the Wheaton M.A. degree). If overseas or urban mission service is not performed, the loan principal must be repaid with interest.

International must have completed at least two years of full-time Christian service in their national contexts or cross-culturally and be affiliated with a Christian organization, national denomination, or mission agency which will indicate future plans for applicant.

Furloughing Missionaries must have completed at least two years of overseas service with a recognized mission organization and intend to return to such ministry.

Health Care Workers, nationals or missionaries, must be professionally active and meet respective requirements for international or missionary applicants.

Workers in Urban/Ethnic Ministries, with priority given to those of ethnic minority backgrounds, must have completed at least two years of urban or ethnic ministry in North America with a recognized mission agency, Christian organization, or denomination and intend to return to urban or ethnic ministry in North America.

North American Pre-field Missionary Candidates must be preparing for careers as missionaries outside North America.

International, missionaries, health care workers, workers in urban/ethnic missions, and North American pre-field missionary candidates should direct their inquiries to the Coordinator at the Billy Graham Center Scholarship Program, Wheaton College, Wheaton, Illinois 60187-5593. All such applications must be submitted by December 1 of the year prior to which student is seeking admission, with the exception of pre-field missionary candidates and urban ministry workers. Applications for these are due March 1 for fall enrollment and October 10 for spring enrollment.

Financial Aid for Ph.D. Students
Full tuition remission will be granted to Ph.D. students. In addition, each student will be awarded a research fellowship, carrying an annual stipend. The tuition remission will apply to the duration of the student’s program, while the fellowship will be granted for three years of the program, with possible extension to a fourth year. As a condition of the research fellowship, the student will be asked to serve the Biblical and Theological Studies Department or the institution for 8-10 hours per week. The service will include, but not be limited to, research and classroom assistance to specific professors, tutoring of undergraduate and graduate students, clerical support of the program and the department, and supervised pedagogical experiences.

Graduate Assistantships in Residence Life (GRA)
Graduate Assistantships are available to graduate students who are interested in working with students in the residence halls, apartments, or houses of Wheaton College. Graduate Resident Advisor (GRA) positions are available for all MA degree programs except Clinical Mental Health Counseling, Marriage and Family Therapy, M.A.T. and TESOL. The appointment is for a ten-month period providing a stipend, 10 meals a week in Anderson Commons throughout the school year, partial tuition remission, a one or two-bedroom furnished apartment, and other employee benefits. A two-year commitment is required. If you would like to receive more information and application materials, please contact Human Resources, 630.752.5060. For questions about the position, please contact the Dean of Residence Life, 630.752.5427.

Graduate Assistants in Student Development (GA)
Student Development Graduate Assistantships (GA) are part-time, one to two year professional positions that work alongside various departments within the Student Development Division. There are GA positions in the Office of Christian Outreach, Office of Multicultural Development, International Student Programs, Student Activities, and Learning and Accessibility Services. GA positions provide graduate students the opportunity to both earn an income and gain career experience specific to the field in which they work. Students are paid from a stipend and work roughly 20 hours a week during the academic year.

Graduate Academic Assistantships
A limited number of assistantships are available to graduate students who desire to work in a specific department of the Graduate School. The duties include clerical work, test grading, classroom or research assistance, and so forth. Pay is on an hourly basis up to ten hours per week. Second year students are given preference.

Canadian Student Loans
It is recommended that Canadian students check with cooperating banks in their home province for further information on government loans. Limited grant funds are available to students with need.

Denominational Sources
Some churches, organizations, and mission boards have scholarships and/or loan programs for member students who are preparing for full-time Christian ministries. For further information contact the appropriate organizational office.

Veterans Benefits
The Post 9/11 GI Bill and other programs provide financial educational assistance to veterans and their families. Further information can be secured from your local U.S. Department of Veterans Affairs office or the Web site at http://www.gibill.va.gov/.

Wheaton College students eligible for VA Benefits should contact Student Financial Services to discuss the process for certifying students to receive benefits. Students eligible to receive veterans’ benefits should submit their VA Certificate of Eligibility to Student Financial Services to certify enrollment to the Department of Veterans Affairs.

All students receiving benefits through the Department of Veterans Affairs are required to demonstrate satisfactory progress in their academic programs. In order to receive full-time benefits, an undergraduate must carry a minimum of 12 credit hours during both quarters. All courses in which a student is enrolled must meet program requirements in order for the hours to be certified.

Please note: eligibility for Post 9/11 GI Bill benefits by a dependent undergraduate student may impact need-based Wheaton Grant eligibility. Undergraduate students receiving 100% benefit rate Post 9/11 GI Bill benefits are eligible for a match from the Yellow Ribbon program to cover
remaining tuition costs. The Yellow Ribbon Award will supersede any other Wheaton College institutional scholarships or grants.

Students attending Wheaton College are not eligible to receive the Illinois Veterans Grant, which is available only for students enrolled in Illinois public colleges and universities.

**Compliance with 38 USC 3679(e) - VA Pending Payment Compliance**

Beginning August 1, 2019, and despite any policy to the contrary, this educational institution will not take any of the four following actions toward any student using U.S. Department of Veterans Affairs (VA) Post 9/11 G.I. Bill® (Ch. 33) or Vocational Rehabilitation and Employment (Ch. 31) benefits, while their payment from the United States Department of Veterans Affairs is pending to the educational institution:

- Prevent their enrollment
- Assess a late penalty fee
- Require they secure alternative or additional funding
- Deny their access to any resources (access to classes, libraries, or other institutional facilities) available to other students who have satisfied their tuition and fee bills to the institution.

However, to qualify for this provision, such students may be required to:

- Produce the VA’s Certificate of Eligibility by the first day of class
- Provide written request to be certified
- Provide additional information needed to properly certify the enrollment as described in other institutional policies (see our VA School Certifying Official for all requirements).

**International Students**

**Advance Payment Requirements**

Included in the undergraduate international student application is information about payment requirements, and a Certification of Finance form to be completed requiring confirmation of funding available to pay for personal, and family costs if applicable, for the entire time of enrollment. After the student is accepted, Student Financial Services will send a budget sheet that outlines estimated costs for the following year.

For graduate international students the Certification of Finance form and estimated budget sheet will be sent from Student Financial Services after the student has been accepted.

For both undergraduate and graduate students, before an I-20 can be issued, Student Financial Services must receive by June 1 prior to enrollment the first semester tuition, room, board, and insurance payment. If students can verify they will not be in college housing or use the college meal plan, the room and meal cost can be eliminated.

The student shall pay the remainder of any billed costs by the regular due date prior to the start of the term. The student will be personally responsible for all books, personal, and miscellaneous expenses that will be incurred. The tuition money received from new students by June 1 will be held by the Student Accounts Office and applied to the student’s bill at the appropriate time. Funds needed for the student’s books, food and housing (if not provided by the College), and personal/miscellaneous expenses will be the responsibility of the student to provide. If the family will accompany the student, or plans to come at a later time, the Certification of Finance form must be completed certifying their financial support and accompanied by signed documentation. Payment for any billed costs will need to be sent in advance of issuing the I-20.

For international students who are Billy Graham Center scholarship recipients, the remaining balance due for their entire study programs will be required to be on deposit by June 1 prior to fall enrollment. After the total amount of the budget is met, the Certificate of Eligibility (Form I-20) will be issued. Families who come later will need to have all costs sent in advance before an I-20 can be issued for them.

The student will not be allowed to enroll in subsequent terms until the billed costs for the next term are paid by the first day of that term. Failure to do so will result in the cancellation of the student’s enrollment at Wheaton.

If the student has a financial guarantor, at no time will the College directly approach the guarantor for funds. It is the student’s responsibility to ensure his guarantors have solid commitments and are capable of fulfilling them.

**Student Employment**

The Center for Vocation and Career utilizes Handshake (https://wheaton.joinhandshake.com/login) to post all full and part-time jobs, including many close to the Wheaton Campus. Most on-campus job opportunities are promoted during the annual Part-Time Job Fair traditionally held the first Thursday after classes start.

Undergraduate and graduate students with demonstrated financial need as determined by the FAFSA may be eligible for the Federal Work-Study program. Students who are eligible are expected to find a federal work-study position and submit paperwork by a certain date. All information can be found on-line.
ENDOWED SCHOLARSHIP FUNDS

The Wheaton College Endowed Scholarship Fund is an important commitment to our students made entirely possible by the willingness of friends of the College to consistently make generous and substantial gifts to Christian education at Wheaton. We express our appreciation to each of these dedicated supporters and list the name of each scholarship below.

Wheaton College gratefully accepts contributions from donors who desire to create or add to a perpetual fund which financially assists worthy students in attaining a Christian education. These funds, known as Endowed Scholarship Funds, distribute each year a stated percentage of the principal value of the fund for student scholarships and may be funded with contributions from a number of donors, an individual donor, or a family of donors.

Endowed Scholarships are of two general types: Unrestricted Endowed Scholarship Funds which distribute scholarships with no restrictions except for the general requirement of student financial need; Restricted Endowed Scholarship Funds which distribute scholarships to students who have financial need but who also meet a particular requirement (for example, a particular major, professional goal, or grade average) designated by the donor.

An endowed scholarship can be established with a minimum of $5,000, or be included in a will and funded by a bequest. Until contributions to the Fund total, in the aggregate, $25,000 or more, the Fund will be retained by Wheaton College as general scholarship endowment and will distribute unrestricted awards. After contributions to the Fund total, in the aggregate, $25,000 the Fund will begin to distribute awards according to specific terms, conditions, and preferences as outlined in the Fund’s agreement.

The Unrestricted Endowed Scholarships and the majority of the Restricted Endowed Scholarships represent a portion of the total financial aid budget each year, and therefore, specific applications for these funds are not necessary.

Unrestricted Endowed Scholarships

John F. Albrecht Memorial
Margaret K. Aldeen Scholarship
Margaret S. Algar Scholarship
Allison Family Scholarship
Annette Hoyt Ames Scholarship Fund
Anonymous Scholarships
Arison-Hermanson Memorial Scholarship
Lois Arlene Ausherman Memorial Scholarship Fund
Miriam Armerding Memorial Scholarship
Nathan O. Barkdoll Endowed Scholarship
Virginia Shirley Barker Endowed Scholarship
Ellie and George Barnes Memorial Scholarship
Sidney R. Beamer Memorial Scholarship
Stephen R. and Ida E. Beamer Scholarship Fund
Eva M. Beining Endowed Scholarship
Elizabeth Stough Berg Scholarship
Kenneth Donald Berg, Sr. Scholarship
Tyler Andrew Bernsten Memorial Scholarship
Harry and Marjorie Betker Endowed Scholarship

Bilezikian Family Scholarship
Harriet G. Blaine Scholarship
William H. Blair Memorial Scholarship Fund
Blakemore-Woodard Memorial Scholarship
Charles A. Blanchard Scholarship Fund
Julia E. Blanchard Scholarship
Mildred Hoops Blasius Scholarship Fund
Mr. Leslie R. Blasius Endowed Scholarship
C. Harry and Jessie T. Bolinder Scholarship Fund
Bowerman Fund
Sandra and Daniel Branda Scholarship
John H. Breyer Fund
Dorothy Brobeck Scholarship Fund
Dennis Ray Brooke Memorial Endowed Scholarship
Eldred E. Brown Endowed Scholarship
Burley Family Endowment
Craig Emmons Buschmann Memorial Fund
Benjamin Ogden Chapman Memorial
Miss F. Naomi Chapman J.O.Y. Scholarship
Catherman Memorial Scholarship
Dittmar P. & Leva R. Cherry Scholarship Fund
Bessie Christian Memorial Scholarship
Mary H. Clark Endowed Scholarship Fund
Class of 1954 Louis Rasera Scholarship
Class of 1955 Endowed Scholarship Fund
Class of 1960, Wheaton College: John L. and Ruth B. Leedy
W. J. and Rosa Clendenin Scholarship
Millard C. and Alice W. Cleveland Endowed Scholarship Fund
Florence M. Collins Scholarship
Anna M. Conaway Scholarship
Harold and Elizabeth Cope Memorial Scholarship
Charles E. and Grace W. Cote Endowed Scholarship Fund
Gerard J. Cozette Endowed Scholarship Fund
Bill and Helen Crabtree Memorial Scholarship
John M. Crobarger Scholarship
Marie Frances Crueziger Scholarship Fund
Julia M. Crull Scholarship
Daniel-Martindale Scholarship
Boskey and Muriel Davis Memorial Scholarship
Day Scholarship Fund
Jean Vanderwarf Dean Scholarship Fund
Mr. and Mrs. George Degentesh Endowed Scholarship Fund
Theodore W. Detenbeck Scholarship
Vera Mae Krause Dombaugh Memorial Scholarship
Elsie Storr Dow Scholarship Fund
Henri E. and Mary R. Eckhardt Memorial Scholarship
Eklund Family Scholarship
Victor and Alma Edman Memorial Scholarship
William D. Ellis Endowed Scholarship Fund
Matthias Elsen Memorial Scholarship Fund
Shirley J. Emerson Endowed Scholarship
Marian H. Emery Memorial Endowed Scholarship Fund
Lester and Eleanor Erickson Memorial Scholarship Fund
Burton and Patricia Ericson Scholarship Fund
Zachary Evans Memorial Scholarship Fund
Robert and Louise Farmer Endowed Scholarship
Family Unity Foundation Endowment Fund
Sarah E. Farmer Scholarship Fund
Russell H. Fehnel Scholarship Fund
Estella May Ferguson Endowed Scholarship
Morris S. and Barbara Ludwig Ferguson Scholarship Fund
Norman M. and Carolyn H. Finke Memorial Scholarship
James A. and Marian Larson Floyd, Jr. Endowed Scholarship
Evelyn and Dwight Forberg Endowed Scholarship Fund
Janice Gosnell Franzen Endowed Scholarship
John N. and Elizabeth Van Arsdale Fuller Scholarship
Belle L. Funk Scholarship
Jane V. Gantzler Scholarship
Clare and Nellie Gardner Endowed Scholarship
E. H. and Helen C. Gartrell Scholarship
Gates Family Scholarship
Dr. Kenneth Gieser Scholarship
Harold R. and Gladys D. Gillette Memorial Scholarship
Mae L. Givans Scholarship
E. D. Given Scholarship
Catherine C Gordon Scholarship
Reynold J. Gottlieb Endowed Scholarship Fund
Tommy Gould Scholarship
David and Elizabeth Gowdy
Granrow-Radant Scholarship Fund
Ruth A. and Marion E. Gray Endowed Scholarship
Gremmels Family Memorial Scholarship
Emil W. Hagbom Jr. Endowed Scholarship
Pearl Jean (Wilson) Hagel Memorial Scholarship Fund
Vernon Lee Hall Scholarship
Lida Hanson Scholarship
Flora G. and Robert G. Harris Scholarship Fund
George R. and D. Gladys Harris Scholarship Fund
Roberta Harris Rost Memorial Scholarship Fund
Herbert S. Harris Scholarship Fund
Hein and Olson Families Scholarship
Hensel Family Scholarship Fund
Cadmus and Elizabeth Hicks Scholarship Fund
Lafayette and Ethel Hill Memorial Scholarship
Gertrude B. Holford Scholarship Fund
Richard Holt Endowed Scholarship Fund
Lorraine E. Hood Endowed Scholarship Fund
Hoofnagle Endowed Scholarship
Hull Family Scholarship Fund
David and Darlene Humphreys Family Scholarship
Jack Endowed Scholarship Fund
Ida H. Jackson Scholarship Fund
Beth Jaderquist Memorial Scholarship Fund
Jeremiah 29:11 Endowed Scholarship
Carl and Eleanor Johnson Scholarship Fund
Captain and Mrs. John M. Johnson Endowed Memorial Scholarship
Myrtle E. Johnson Scholarship Fund
Willard G. Johnson and Alice M. Johnson Scholarship
Rilla M. Jones Scholarship
Thurman R. Jones Memorial Scholarship
John E. Kanarr Scholarship
Frank Kapple Fund
Dicran Y. Kassouny Memorial Scholarship Fund
Franklin W. Keagy Scholarship Fund
Jean Kennedy Memorial Fund
Jeff Keul Memorial Scholarship
Frank Kilborn Scholarship Fund
Charles F. Kimball Endowed Scholarship
Leroy and Lois King Scholarship Fund
Marie N. Knater Scholarship Fund
Oscar N. and Lorraine Fencil Knipel Scholarship Fund
Gerard P. and Ellen A. Kok Memorial Scholarship
Mary E. Krieger Endowed Scholarship Fund
Kathryn P. Kuhlman Scholarship Fund
Dell J. and Olive T. Lanan Scholarship Fund
Rachel Parrish Landau Memorial Scholarship Fund
James M. and Arlyne N. Lane Scholarship Fund
John P. and Miriam C. Lee Endowed Scholarship Fund
Anna M. Lesniewski Memorial Scholarship
Carl J. and Irene L. Lessing Scholarship Fund
Dr. James H. Lewis Scholarship Fund
C. R. Lindberg Memorial Scholarship Fund
Walter J. and Grace E. Lindemann Scholarship Fund
The Linn Family Scholarship
Lisa Family Scholarship Fund
Oscar Raymond Lowry Scholarship Fund
Paul J. Ludwig Scholarship Fund
Mr. and Mrs. Robert W. Mahnke Memorial Scholarship Fund
Jane Agnew Marston Endowed Scholarship Fund
J. Mid Mason and Charlotte W. Mason Endowed Scholarship Fund
J. Maxwell Scholarship Fund
Rana B. McDonald Memorial Scholarship
William A. and Lucy O. McDonald Memorial Scholarship Fund
John J. McGeehey and Betty Humphreys McGeehey Scholarship
Ruby B. Means Memorial Scholarship
David and Julie Melilli Endowed Scholarship Fund
Harold Mistele Scholarship
Herbert Moule Scholarship
Ogle W. and Lillian E. Mourer Endowed Scholarship Fund
Muntz-Wilson Scholarship
Fay Hartman Newland Scholarship Fund
Donald L. Northway Endowed Scholarship Fund
Nussbaum Family Endowed Scholarship Fund
Ronald A. and Nancy A. Nyberg Scholarship
George Olson Memorial Scholarship
Noah Paquin Memorial Scholarship
Ethel Bray Patterson Scholarship Fund
Jean Peace Endowed Scholarship
W. Roy and S. Alice Pearson Scholarship
Julius A. Peehl Endowment
Arthur C. Pelton Memorial Scholarship
Donald H. Petersen Family Scholarship Fund
William Irving and Mary Bissell Phillips Memorial Award
Orlinda Childs Pierce Fund
Albert B. Pilat and Dorotha R. Pilat Scholarship
Rosalba V. Preston Scholarship
Margaret P. Rathje Scholarship Fund
Reader's Digest Endowed Scholarship Fund
Samuel M. and Jane Reed Endowed Scholarship Fund
Franklin and Mary Rejmer Scholarship
Jean Eckert Reynolds Memorial Scholarship Fund
Emilie White Richardson Endowed Scholarship Fund
Mary C. Rieth Scholarship Fund
Mary L. and James L. Rodgers Scholarship
Pauline Carole Ross Memorial Scholarship Fund
Margaret and Emma Rowe Scholarship
Russo Family Scholarship in Loving Memory of Tyler Berntsen
Saint-Van Der Puy Scholarship
Albert H. Salter Scholarship Fund
Donna Schauer Memorial Scholarship Fund
Carrie A. Schmitt Memorial Scholarship Fund
Dr. J. D. and Elizabeth Stielow Schweinfurth Scholarship Fund
Sandra Suzanne Seaford Memorial Scholarship Fund
Dr. Richard H. Seume Scholarship Fund
J. Stratton and Marjory Shufelt Memorial Scholarship
Nellie Miles Shuster Scholarship Fund
F. Louis Siebert Scholarship Fund  
Nellie Hepburn Sloan Memorial Scholarship  
Smith Family Scholarship  
Dr. Graeme C. Smith Endowed Scholarship Fund  
Raymond C. Snyder Memorial Scholarship Fund  
Willard Soderstrom Memorial Scholarship Fund  
Gordon and Lucille Sparks Scholarship Fund  
Spidel Trust Scholarship Fund  
Nancy A. Springer Memorial Scholarship Fund  
Steams-Daer Scholarship Fund  
R. Jack Stewart Scholarship Fund  
William G. Stone Scholarship Fund  
Darien Austin Straw Scholarship Fund  
Joel E. Stembridge Endowed Scholarship  
Britton H. and Bessie C. Tabor Memorial Scholarship  
Henry C. and Anne Thiessen Scholarship  
Three Loons Endowed Scholarship  
Katherine B. Tiffany Scholarship Fund  
Mary Louise Tinkler Scholarship  
Edith Clare Torrey Scholarship Fund  
Edna B. Towers Scholarship Fund  
Charles H., Sr. and Lena Troutman Endowed Scholarship Fund  
Mary L. and James L. Turner Scholarship  
Uarda Wisdom Utigard Endowed Scholarship  
Warner M. Van Norden Scholarship  
Linda Ruth Vellenga, Diane Vellenga, Van Ostenberg and Susan Vellenga Logan Memorial Fund  
Ralph Victor Memorial Scholarship Fund  
William Ross Voellmig, Helen E. Voellmig, Mr. and Mrs. William (Ida) Voellmig Scholarship Fund  
The W Award Scholarship  
Russell R. Watkins Scholarship Fund  
Rev. John A. and Mary Watson Scholarship Fund  
Joseph I. and Carol Anderson Weeks Scholarship Fund  
Robert and Carolyn Weeldreyer Family Scholarship Fund  
Edward F. Werhane Scholarship Fund  
V. Wessman Scholarship Fund  
Wheaton Veterans’ Scholarship Fund  
Homer E. and Maida M. Wichern Scholarship Fund  
George S. Wilfen Endowed Scholarship Fund  
Wilhelm Family Endowed Scholarship Fund  
Richard C. Whitecotton/Walter Hamer, Jr. Memorial Scholarship Fund  
Edward Wick Memorial Scholarship Fund  
Jessie Wight Memorial Scholarship Fund  
Ralph E. and Vivien P. Wight Scholarship Fund  
Mrs. Bernice K. Wilder Scholarship Fund  
Janet Adele Wilson Endowed Scholarship  
Anna B. Wise Endowed Scholarship Fund  
Clintdon W. Wittel Scholarship Fund  
Hoover and Madeline Young Wong Endowed Scholarship Fund  
Forest W. and Dorothy Work Memorial Scholarship Fund  
Zephaniah 3:17 Scholarship

Restricted Endowed Scholarships

Rev. Dr. Lyle M. Adams Memorial Endowed Scholarship  
Dr. Harry Agabedis Endowed Scholarship  
Kathy S. Albain Scholarship Fund  
George I. Aldeen Endowed Scholarship  
Alexander Construction Company  
Wilbur John Allen Memorial Scholarship Fund  
Anderson Family Scholarship Fund  
Mr. and Mrs. John Androne Scholarship Fund  
Carol Koelsch Appleton Endowed Scholarship in Studio Art  
Hudson T. and Miriam B. Armerding Scholarship  
Armleder Endowed Scholarship  
Dr. Benjamin L. Armstrong Scholarship Fund  
Muriel Arney Memorial Scholarship  
Arts4Ministry  
S.H. Ator, Jr. Medical Missionary Scholarship  
Evangeline Gilbert Avery Scholarship Fund  
Florence A. Avery Scholarship Fund  
Louise Avery Scholarship Fund  
Alice Baker-John Carter Scholarship Fund  
Lieutenant Colonel Donald C. Baker (USMC) Endowed Scholarship Fund  
Bank of Wheaton Scholarship Fund  
Steven Barabas Scholarship Fund  
Constance Kay Barth Memorial Psychology Fund for Women  
Iner Basinger Memorial Music Award  
Mary A. Baske Scholarship Fund  
Willard and Dorothy Johnston Bass Memorial Scholarship  
Carol Henry Bates Scholarship  
William H. Bates Scholarship in Organ Performance  
Beatrice Batson Merit Scholarship in Humanities  
Joe Bean Soccer Sports Ministry Fund  
Nils and Sandra Marie Becker Memorial Scholarship  
Doug Beers Scholarship in Political Science  
George and Helen Bennett Fund for Missionary Service  
William Hiram Bentley African-American Research and Ministry Award  
Homer G. and Blanche C. Benton Family Endowed Scholarship  
Berg Family Scholarship  
Violet Bergquist Scholarship Fund  
Curt N. Bergwall Scholarship Fund  
Linda Larson Bergwall Memorial Scholarship  
Berkey Ministry Scholarship Fund  
Harold Best Achievement Award  
Harold and Juel Best Scholarship Fund  
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Blakemore-Woodard Scholarship Fund  
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Robert L. Brabenec Mind and Body Award Fund  
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Brenneman Family Endowed Scholarship  
B.R.I.D.G.E. Student Scholarship Fund  
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Wheaton College Study Abroad Endowed Scholarship
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Frances J. White Scholars in Global Ministry
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Gladye Wright Endowed Scholarship Fund
Dr. Paul M. Wright Medal and Prize in Chemistry
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The Billy Graham Center Scholarship Program supports graduate study at Wheaton College for men and women in Christian service overseas and in North American urban and/or ethnically diverse contexts. Awards from the funds are available to internationals, missionaries, North American workers in urban and ethnic ministries, and those preparing for missionary service outside North America. Loan/scholarships are retired through Christian service (1 year=25% loan forgiveness). The named funds honor individuals who have contributed to the cause of evangelism and missions worldwide.

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- Christ Is Our Salvation Foundation Loan Fund
- The Henry Strong Educational Foundation
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<th>Location</th>
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<tbody>
<tr>
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<td>Shoreview, MN</td>
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<tr>
<td>John H. Augustine, Investment Banker</td>
<td>Guttenberg, NJ</td>
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<tr>
<td>Darrell L. Bock, Seminary Professor</td>
<td>Dallas, TX</td>
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<tr>
<td>David K. Gieser, Ophthalmologist</td>
<td>Wheaton, IL</td>
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<tr>
<td>James A. Goetz, Corporation Executive</td>
<td>Wheaton, IL</td>
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<tr>
<td>Jeanette L. Hsieh, University Executive VP</td>
<td>Elgin, IL</td>
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<td>Philip G. Hubbard, Investment Executive</td>
<td>Northfield, IL</td>
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<tr>
<td>Kurk Keilhacker, Finance</td>
<td>Claremont, CA</td>
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<td>Emery Lindsay, Sr. Bishop/Pastor</td>
<td>Los Angeles, CA</td>
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<td>Andrea D. Scott, Professor</td>
<td>Riverside, CA</td>
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<td>Joseph M. Stowell, University President</td>
<td>Ada, MI</td>
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<td>Shundrawn A. Thomas, Corporation Executive</td>
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<tr>
<td>Kathryn H. Vaselkiv, Non-profit Leadership</td>
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<td>Pasadena, CA</td>
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<td>Dale C. Wong, Retired Executive</td>
<td>Hinsdale, IL</td>
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<th>Location</th>
</tr>
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<tbody>
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<td>Timothy F. George, Divinity School Dean</td>
<td>Birmingham, AL</td>
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<td>Duane Litfin, President Emeritus</td>
<td>Wheaton, IL</td>
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<tr>
<th>Name and Position</th>
<th>Location</th>
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<td>Harold (Mac) Airhart, Real Estate Builder/Developer</td>
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<td>Melvin E. Banks, Chairman, Urban Ministries, Inc.</td>
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<td>V. Gilbert Beers, Publisher, Editor, and Writer</td>
<td>Elgin, IL</td>
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<td>George F. Bennett, Jr., Retired Corporation Executive</td>
<td>Hanover, MA</td>
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<tr>
<th>Name</th>
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<tr>
<td>James A. Goetz</td>
<td>Chairman</td>
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<tr>
<td>Dale Wong</td>
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<td>Kathryn H. Vaselkiv</td>
<td>Secretary</td>
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## Administration

### Senior Administrative Cabinet

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<tr>
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<td>Philip G. Ryken, D. Phil.</td>
<td>President</td>
</tr>
<tr>
<td>Margaret A. Diddams, Ph.D.</td>
<td>Provost</td>
</tr>
<tr>
<td>Paul O. Chelsen, Ph. D.</td>
<td>Vice President for Student Development</td>
</tr>
<tr>
<td>Kirk Farney, Ph. D.</td>
<td>Vice President for Advancement, Vocation, and Alumni Engagement</td>
</tr>
<tr>
<td>Chade Rynbradt, M.B.A.</td>
<td>Vice President for Finance &amp; Operations, Treasurer</td>
</tr>
<tr>
<td>Sheila Caldwell, Ph.D.</td>
<td>Chief Intercultural Engagement</td>
</tr>
<tr>
<td>Silvio Vazquez, M.B.A.</td>
<td>Chief Enrollment Management Officer</td>
</tr>
<tr>
<td>Marilee A. Melvin, M.A.</td>
<td>Executive Assistant to the President</td>
</tr>
</tbody>
</table>
### College Chaplain

<table>
<thead>
<tr>
<th>Name and Degrees</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Timothy Blackmon, M.Div.</td>
<td>Chaplain</td>
</tr>
<tr>
<td>Stephen B. Kellough, D. Min.</td>
<td>Chaplain Emeritus</td>
</tr>
</tbody>
</table>

### Academic Affairs

<table>
<thead>
<tr>
<th>Name and Degrees</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Margaret A. Diddams, Ph.D.</td>
<td>Provost</td>
</tr>
<tr>
<td>Sheila L. Caldwell, Ph.D.</td>
<td>Chief Intercultural Engagement Officer</td>
</tr>
<tr>
<td>Jeffry C. Davis, Ph.D.</td>
<td>Dean of Humanities</td>
</tr>
<tr>
<td>Crystal L. Downing, Ph.D.</td>
<td>Co-Director of the Wade Center</td>
</tr>
<tr>
<td>David C. Downing, Ph.D.</td>
<td>Co-Director of the Wade Center</td>
</tr>
<tr>
<td>Becky L. Eggimann, Ph.D.</td>
<td>Dean of Natural Sciences</td>
</tr>
<tr>
<td>Paul A. Ericksen, M.A.</td>
<td>Interim Dean of Library and Archives</td>
</tr>
<tr>
<td>Christopher Huang, M.A.</td>
<td>Registrar</td>
</tr>
<tr>
<td>Steven J. Kurczak, M.B.A.</td>
<td>Chair of Military Science</td>
</tr>
<tr>
<td>Timothy T. Larsen, Ph.D.</td>
<td>Director of Faith and Learning</td>
</tr>
<tr>
<td>Gary N. Larson, Ph.D.</td>
<td>Director of Institutional Research and Academic Operations</td>
</tr>
<tr>
<td>David Lauber, Ph.D.</td>
<td>Dean of the School of Biblical and Theological Studies</td>
</tr>
<tr>
<td>Bryan T. McGraw, Ph.D.</td>
<td>Dean of Social Sciences and Education</td>
</tr>
<tr>
<td>Sarah Miglio, Ph.D.</td>
<td>Dean of Core Studies and Advising</td>
</tr>
<tr>
<td>Laura M. Montgomery, Ph.D.</td>
<td>Dean of Global Programs and Studies</td>
</tr>
<tr>
<td>A. Scott Moreau, Ph.D.</td>
<td>Dean of the Graduate School</td>
</tr>
<tr>
<td>Edward J. Stetzer, Ph.D.</td>
<td>Dean of the School of Mission, Ministry, and Leadership, Executive Director of the Billy Graham Center</td>
</tr>
<tr>
<td>Junias V. Venugopal, Ph.D.</td>
<td>Associate Dean of the School of Mission, Ministry, and Leadership</td>
</tr>
<tr>
<td>Terri S. Watson, Psy.D.</td>
<td>Dean of the School of Psychology, Counseling, and Family Therapy</td>
</tr>
<tr>
<td>Michael D. Wilder, Ph.D.</td>
<td>Dean of the Conservatory, Arts and Communication</td>
</tr>
</tbody>
</table>

### Enrollment Management

<table>
<thead>
<tr>
<th>Name and Degrees</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silvio Vazquez, M.B.A.</td>
<td>Chief Enrollment Management Officer</td>
</tr>
<tr>
<td>Jason Kircher, B.A.</td>
<td>Director of Undergraduate Admissions</td>
</tr>
<tr>
<td>Terrance Campbell, M.P.A.</td>
<td>Director of Graduate Admissions</td>
</tr>
<tr>
<td>Karen Belling, M.B.A.</td>
<td>Director of Student Financial Services</td>
</tr>
</tbody>
</table>

### Student Development

<table>
<thead>
<tr>
<th>Name and Degrees</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paul O. Chelsen, Ph.D.</td>
<td>Vice President for Student Development</td>
</tr>
<tr>
<td>Crystal Cartwright, M.A.</td>
<td>Interim Director of Student Activities Office</td>
</tr>
</tbody>
</table>

### Finance and Operations

<table>
<thead>
<tr>
<th>Name and Degrees</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dale A. Kemp, M.B.A., C.P.A.</td>
<td>Vice President for Finance &amp; Operations, Treasurer</td>
</tr>
<tr>
<td>R. Craig Squire, M.B.A., M.A., C.P.A.</td>
<td>Controller</td>
</tr>
<tr>
<td>Tony Dawson, B.S., M.A.</td>
<td>Director of Auxiliary Services</td>
</tr>
<tr>
<td>Kenneth Larson, M.B.A.</td>
<td>Investment Manager</td>
</tr>
<tr>
<td>Scott J. Okesson, B.S., M.S.</td>
<td>Director of Facilities</td>
</tr>
<tr>
<td>Bryan Seiler, J.D., M.P.P.</td>
<td>Director of Legal Affairs &amp; Risk Management</td>
</tr>
<tr>
<td>Karen Tucker, B.A., M.M</td>
<td>Director of Human Resources</td>
</tr>
<tr>
<td>Wendy Woodward, B.A., M.S.</td>
<td>Chief Information Officer</td>
</tr>
</tbody>
</table>

### Advancement, Vocation, and Alumni Engagement

<table>
<thead>
<tr>
<th>Name and Degrees</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kirk Farney, Ph.D.</td>
<td>Vice President for Advancement, Vocation and Alumni Engagement</td>
</tr>
<tr>
<td>Jane Bilezikian, B.A.</td>
<td>Director of Advancement Services</td>
</tr>
<tr>
<td>Kevin Engel, M.Div.</td>
<td>Director of Development</td>
</tr>
<tr>
<td>Joseph Moore, M.B.A.</td>
<td>Director of Marketing Communications</td>
</tr>
<tr>
<td>Cindra Stackhouse Taetzsch, B.A.</td>
<td>Sr. Director for Vocation and Alumni Engagement/Executive Director of Wheaton College Alumni Association</td>
</tr>
<tr>
<td>Dave Teune, J.D.</td>
<td>Director of Gift Planning Services</td>
</tr>
<tr>
<td>Anna Walsh, B.S.</td>
<td>Director of Donor Relations</td>
</tr>
<tr>
<td>Genesis Watkins, B.S.</td>
<td>Director of Annual &amp; Reunion Giving</td>
</tr>
</tbody>
</table>

### Billy Graham Center

<table>
<thead>
<tr>
<th>Name and Degrees</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ed Stetzer, Ph.D.</td>
<td>Executive Director of the Billy Graham Center</td>
</tr>
<tr>
<td>Andrew Cook, M.B.A.</td>
<td>Managing Director of the Billy Graham Center</td>
</tr>
</tbody>
</table>
Joshua Laxton, Ph.D.  
Assistant Director of the Billy Graham Center & North America Lausanne Coordinator

Laurie Nichols, M.A.  
Director of Communications

Sam George, Ph.D.  
Director of Global Diaspora Institute, Lausanne Catalyst for Diasporas

Gerald Root, Ph.D.  
Director of the Evangelism Initiative

Karen Swanson, Ed.D.  
Director of Institute for Prison Ministries

Daniel Yang, M.Div.  
Director of Send Institute

Rick Richardson, Ph.D.  
Director of BGC Research Institute and Church Evangelism Institute

Open  
Director of the Rural Matters Institute

Alumni Association

Officers
- Beverly Liefeld Hancock ’84, President
- Eric Fowler ’81, President-Elect
- Renae Schauer Smith ’91, Past President
- Cindra Stackhouse Taetzesch ’82, Senior Director for Vocation and Alumni Engagement/Executive Director of Wheaton College Alumni Association

Directors
- 2020 - Claudia Kraftson Brice ’78, Paul Compton ’09, Susan Follett Davis ’04, Beverly Liefeld Hancock ’84, Ruth Lageschulte Johnson ’67, George Kohl Jr. ’76
- 2021 - Austin Chu ’18, Bruce Gin ’83, Jeffrey Golz ’89
- 2022 - Bryan Eklund ’89, M.A. ’14, Julie Miesse Feyerer ’91, Christopher Peterson ’93
- 2023 - Kari Shook Anderson ’91, Elisabeth Verseput Jones ’08, Rebecca Gray Jordan ’88, Jeffrey Shafer ’96

Faculty Emeriti
- Mark Robert Amstutz, Ph.D., 1972-2018, Professor of Political Science Emeritus
- Dean E. Arnold, Ph.D., 1973-2012, Professor of Anthropology Emeritus
- Glenn F. Arnold, Ph.D., 1976-1999, Professor of Communication Emeritus
- Jill Pelaez Baumgaertner, Ph.D., 1980-2017, Professor of English Emerita
- Joseph Waller Bean, M.Ed., 1969-2006, Associate Professor of Kinesiology Emeritus
- Daniel I. Block, D. Phil., 2005-2017, Professor of Old Testament Emeritus
- Raymond Howard Brand, Ph.D., 1959-1993, Professor of Biology Emeritus
- Andrew R. Brulle, Ed.D., 1997-2010, Professor of Education Emeritus
- C. Hassell Bullock, Ph.D., 1973-2009 Professor of Old Testament Emeritus
- Evvy Hay Campbell, Ph.D., 1996-2011, Associate Professor of Intercultural Studies Emerita
- Derek Alan Chignell, Ph.D., 1975-2002, Professor of Chemistry Emeritus
- Donald Lee Church, M.A., 1958-1997, Associate Professor of Kinesiology Emeritus
- James A. Clark, Ph.D., 2000-2018, Professor of Geology Emeritus
- Sharon Coolidge, Ph.D., 1977-2017, Professor of English Emerita
- Lynn O. Cooper, Ph.D., 1978-2018, Professor of Communication Emerita
- David A. DeVries, Ph.D., 1967-1985, Professor of Geology Emeritus
- Helen M. DeVries, Ph.D., 1994-2010, Professor of Psychology Emerita
- Walter Alexander Elwell, Ph.D., 1975-2003, Professor of Bible and Theology Emeritus
- Norman J. Ewert, Ph.D., 1973-2014, Associate Professor of Economics Emeritus
- Dillard W. Faries, Ph.D., 1969-2008, Professor of Physics Emeritus
- Larry L. Funck, Ph.D., 1969-2011, Professor of Chemistry Emeritus
- Curtis Funk, D.M.Ed., 1984-2007, Associate Professor of Music Emeritus
- Myrna L. Grant, Ph.D., 1974-1999, Associate Professor of Communication Emerita
- Gene L. Green, Ph.D., 1996-2019 Professor of New Testament Emeritus
- Jeffrey K. Greenberg, Ph.D., 1986-2018, Professor of Geology Emeritus
- Robert J. Gregory, Ph.D., 1995-2012, Professor of Psychology Emeritus
- Emory A. Griffin, Ph.D., 1970-2003, Professor of Communication Emeritus
- Gerald Haddock, Ph.D., 1959-1991, Professor of Geology Emeritus
- James Halterman, Ph.D., 1979-2012, Professor of Business and Economics Emeritus
- John C. Hayward, Jr., Ph.D., 1979-2015, Associate Professor of Computer Science Emeritus
- Rolland Neal Hein, Ph.D., 1970-2019, Professor of English Emeritus
- Peter J. Hill, Ph.D., 1986-2011, Professor of Economics Emeritus
- Elizabeth Brown Hillstrom, Ph.D., 1976-2003, Associate Professor of Psychology Emerita
- Alfred Joseph Hoerth, M.A., 1968-1997, Associate Professor of Archaeology Emeritus
- Edwin A. Hollatz, Ph.D., 1954-2000, Professor of Communication Emeritus
- Bruce Howard, Ph.D., 1980-2018, Professor of Business and Economics Emeritus
- Narl Chow Hung, Ph.D., 1969-2000, Professor of Chemistry Emerita
- Karen H. Jobes, Ph.D., 2005-2015, Professor of New Testament Greek and Exegesis Emerita
- Stanton Louis Jones, Ph.D., 1981-2019, Professor of Psychology Emeritus and Provost Emeritus
- Thomas O. Kay, Ph.D., 1959-2004, Associate Professor of History Emeritus
• Lyman A. Kellstedt, Ph.D., 1981-2001, Professor of Political Science Emeritus
• Roger H. Kennett, Ph.D., 1996-2011, Professor of Biology Emeritus
• Cynthia Neal Kimball, Ph.D., 1990-2018, Professor of Psychology Emerita
• Carol Joyce Kraft, M.A., 1960-1996, Associate Professor of German Emerita
• Zondra Gale Lindblade Swanson, Ph.D., 1964-1998, Professor of Sociology Emerita
• Kathryn T. Long, Ph.D., 1993-2016, Associate Professor of History Emerita
• David Edward Maas, Ph.D., 1970-2010, Professor of History Emeritus
• James E. Mann, Jr., Ph.D., 1982-2002, Professor of Mathematics Emeritus
• H. Wayne Martindale, Ph.D., 1981-2011, Professor of English Emeritus
• James Mathisen, Ph.D., 1983-2009, Professor of Sociology Emeritus
• Mary (Scottie) May, Ph.D., 1998-2016, Associate Professor of Christian Formation and Ministry Emerita
• Phyllis Mitchell, Ph.D., 1993-2014, Associate Professor of Spanish Emerita
• Mark P. Niemczyk, Ph.D., 1975-2018, Professor of Chemistry Emeritus
• Alvaro L. Nieves, Ph.D., 1983-2010, Professor of Sociology Emeritus
• Mark A. Noll, Ph.D., 1978-2006, Professor of History Emeritus
• Eleanor P. Paulson, M.A., 1952-1991, Professor of Speech Emerita
• Kathleen Marshall Pederson, Ph.D., 1987-2004, Professor of French Emerita
• Terence H. Perciante, Ed.D., 1972-2012, Professor of Mathematics Emeritus
• William A. Phemister, D.M.A., 1972-2007, Professor of Music Emeritus
• Pattle Pak-Toe Pun, Ph.D., 1973-2013, Professor of Biology Emeritus
• Dean Reginald Rapp, Ph.D., 1970-2010, Professor of History Emeritus
• Paul W. Robinson, Ph.D., 1999-2013, Professor of History Emeritus
• Richard Rung, M.A., 1963-1990, Professor of Political Science Emeritus
• Arthur A. Rupprecht, Ph.D., 1961-2009, Professor of Classical Languages Emeritus
• Ewan Michelle Russell, Ph.D., 1975-2010, Associate Professor of Applied Health Science Emerita
• Leland Ryken, Ph.D., 1968-2012, Professor of English Emeritus
• Tom F. Schwanda, Ph.D., 2006-2019, Associate Professor of Christian Formation and Ministry Emeritus
• Terry R. Schwartz, D.M.A., 1981-2013, Associate Professor of Music Emeritus
• James Julius Scott, Jr., Ph.D., 1977-2000, Professor of Bible Emeritus
• Marilyn June Scribner, M.A., 1961-2002, Professor of Kinesiology Emerita
• Joel Sheesley, M.F.A., 1974-2016, Professor of Art Emeritus
• Albert J. Smith, Ph.D., 1967-1999, Professor of Biology Emeritus
• Peter Paul Snezek, C.A.S., 1970-2002, Associate Professor of Library Science Emeritus
• Alva William Steffler, M.F.A., 1970-2003, Professor of Art Emeritus
• Gerard Sundberg, D.M.A., 1988-2015, Professor of Music Emeritus
• E. John Walford, Ph.D., 1981-2011, Professor of Art Emeritus
• Charles Weber, Ph.D., 1968-2013, Professor of History Emeritus
• William Wharton, Ph.D., 1984-2009, Professor of Physics Emeritus
• Howard Whitaker, Ph.D., 1972-2012, Professor of Music Emeritus
• Frances Jayne White, Ph.D., 1977-1995, Professor of Music Emeritus
• Paul Willard Wiens, D.M.A., 1981-2012, Professor of Music Emeritus
• James C. Wilhoit, Ph.D., 1981-2019, Professor of Christian Education Emeritus
• Timothy J. Wilkinson, Ph.D., 1980-2017, Professor of Chemistry Emeritus
• Helmut W. Ziefle, Ph.D., 1967-2001, Professor of German Emeritus
• John David Zimmerman, M.Mus., 1968-2012, Associate Professor of Music Emeritus

Regular
Year indicates appointment to faculty
Sheri L. Abel, Ph.D., Associate Professor of French
B.S. Millersville; M.A. New Orleans; Ph.D. Tulane. 2003
Andrew T. Abernethy, Ph.D., Associate Professor of Old Testament
B.A. Bethel; M.Div., Ph.D. Trinity International. 2014
Kathryn J. Alexander, M.A., Assistant Professor of Politics
B.A. Sweet Briar; M.A., Ph.D. Duke. 2018
Henry L. Allen, Ph.D., Professor of Sociology
B.A. Wheaton; Ph.D. Chicago. 1998
Leonardo G. Altino, M.M., Associate Lecturer of Music (Cello)
Diploma of Music, New England Conservatory; M.M. Illinois at Urbana-Champaign. 2016
Jamie D. Aten, Ph.D., Blanchard Associate Professor of Humanitarian and Disaster Leadership and Executive Director of the Humanitarian Disaster Institute
B.S., M.S., Ph.D. Indiana State. 2010
Vincent Bacote, Ph.D., Associate Professor of Theology, Director of the Center for Applied Christian Ethics
B.S. The Citadel; M.Div. Trinity Evangelical Divinity School; Ph.D. Drew. 2000
Jeffrey W. Barbeau, Ph.D., Professor of Theology
B.A. Oral Roberts; M.A. Old Dominion; M.A., Ph.D. Marquette. 2008
Sharenda H. Barlar, M.A., Senior Lecturer of Spanish
B.A. Union; M.A. Vanderbilt. 2000
R. Pam Barger, Ph.D., Assistant Professor of Teaching English to Speakers of Other Languages and Program Director of English Language Institute Partnership Programs
B.S. Illinois; M.A. Wheaton; Ph.D. Loyola. 2005
Laura A. Barwegen, Ed.D., Associate Professor of Christian Formation and Ministry, Department Chair
Francisco Xavier Beteta, Ph.D., Assistant Professor of Music
B.M. Western Kentucky; M.M. Cincinnati; J.D. Northern Kentucky; Ph.D. California-San Diego. 2019
James Beitler, Ph.D., Associate Professor of English
B.A., M.A. Wheaton; Ph.D. Michigan. 2013
Robert C. Bishop, Ph.D., John and Madeleine McIntyre Associate Professor of Philosophy and History of Science  
B.S., M.A., Ph.D. Texas – Austin, 2007

Amy Black, Ph.D., Professor of Political Science  
B.A. Claremont McKenna; Ph.D. Massachusetts Institute of Technology. 2001

Thomas Boehm, Ph.D., Ann Haskins Assistant Professor of Special Education  
B.A., Ph.D. Vanderbilt; M.Div Trinity Evangelical Divinity School; M.A. Northwestern. 2015

Sarah R. Borden, Ph.D., Professor of Philosophy, Department Chair  
B.A. Wheaton; M.A., Ph.D. Fordham. 2001

Jeremy Botts, M.F.A., Associate Professor of Art, Department Chair  
B.F.A. Rhode Island Institute of Design; M.F.A. Maryland Institute. 2009

Robert Lee Brabenec, Ph.D., Professor of Mathematics  
B.S. Wheaton; Ph.D. Ohio State. 1964

Andrew B. Bratcher, M.F.A., Assistant Professor of English  
B.J. Missouri; M.F.A. Iowa. 2017

Stephen N. Bretsen, J.D., William Volkman Associate Professor of Business and Law  
B.A. William and Mary; J.D. Colorado. 2003

Eric Montrece Brown, Ph.D., Assistant Professor of Counseling, Director of Clinical Mental Health Counseling  
B.S. Texas A&M; M.Div. Abilene Christian; M.Ed. Florida; Ph.D. Old Dominion. 2017

Johann S. Buis, D.A., Associate Professor of Music  
B.Mus. Capetown; B.Ed. Western Cape; M.M., D.A. Ball State. 2003

Daniel L. Burden, Ph.D., Professor of Chemistry  
B.S. Taylor; Ph.D. Indiana. 2000

Jennifer L. Busch, Ph.D., Associate Professor of Biology  
B.S. Wheaton; Ph.D. Vanderbilt. 2002

Aubrey E. Buster, M.A., Assistant Professor of Old Testament  
B.M., M.A. Wheaton. 2018

Richard Eugene Butman, Ph.D., Professor of Psychology  
B.A. Wheaton; M.A. Fuller Theological Seminary; Ph.D. Fuller Graduate School of Psychology. 1980

Aimee Abigail Callender, Ph.D., Associate Professor of Psychology  
B.A. Wheaton; M.A., Ph.D. Washington. 2018

Sally Schwer Canning, Ph.D., Professor of Psychology  
B.A. Gettysburg; M.S.Ed., Ph.D. Pennsylvania. 1994

M. Daniel Carroll, R. (Rodas), Ph.D., Blanchard Professor of Old Testament  
B.A. Rice; Th.M. Dallas theological Seminary; Ph.D. Sheffield. 2016

Nathan Cartagena, Ph.D., Assistant Professor of Philosophy  
B.A. Grove City; M.A. Texas A&M; Ph.D. Baylor. 2019

Dorothy F. Chappell, Ph.D., Professor of Biology, Senior Scholar  
B.S. Longwood; M.S. Virginia; Ph.D. Miami of Ohio. 1977

Kenneth Chase, Ph.D., Associate Professor of Communication, Department Chair  
B.A. Biola; M.A. California State-Fullerton; Ph.D. Illinois at Urbana-Champaign. 1994

Christine Colón, Ph.D., Professor of English  
B.A. Biola; M.A. California Polytechnic State; Ph.D. California at Davis. 2001

Jeremy A. Cook, Ph.D., Associate Professor of Economics  

Danielle J. Corple, M.A., Assistant Professor of Communication  
B.A. Cedarville; M.A. Purdue. 2019

Marc A. Cortez, Ph.D., Professor of Theology  
B.A. Multnomah; M.A., Th.M. Western Seminary; Ph.D. St. Andrews. 2013

Darren J. G. Craig, Ph.D., Professor of Physics, Department Chair  
B.S. Michigan State; Ph.D. Wisconsin, Madison. 2006

Edward B. (Ward) Davis, Psy.D., Associate Professor of Psychology  

Jeffry Davis, Ph.D., Professor of English, Dean of Humanities  
B.A. Wheaton; M.A. Northern Illinois; Ph.D. Illinois at Chicago. 1991

Darci A. Delzell, Ph.D., Professor of Mathematics  
B.S. Wheaton; M.S. Illinois at Chicago; M.S., Ph.D. Southern Methodist. 2009

Allison Dick, Ph.D., Assistant Professor of Chemistry  
B.S. Wheaton; Ph.D. Michigan. 2018

Margaret Diddams, Ph.D., Professor of Psychology, Provost  

Danilo R. Diedrichs, M.S., Associate Professor of Mathematics  
Diploma of Civil Engineer, Federal Polytechnic School of Lausanne (Switzerland); M.S., Ph.D. Iowa. 2012

Crystal L. Downing, Ph.D., Co-Director of the Wade Center, Marion E. Wade Co-Chair of Christian Thought, Professor of English  
B.A. Westmont; M.A., Ph.D. California-Santa Barbara. 2018

David C. Downing, Ph.D., Co-Director of the Wade Center, Marion E. Wade Co-Chair of Christian Thought, Professor of English  
B.A. Westmont; M.A., Ph.D. California-Los Angeles. 2018

Karin Redekopp Edwards, D.M., Professor of Music  
B.Mus. Manitoba; M.M., D.M. Indiana. 1987

Paul C. Egeland, Ed.D., Associate Professor of Education, Department Chair  

Becky L. Eggimann, Ph.D., Associate Professor of Chemistry, Dean of Natural Sciences  
B.S. Wheaton; Ph.D. Minnesota. 2007

Elisha L. Eveleigh, Ph.D., Assistant Professor of Psychology  
B.A. Miami of Ohio; M.S.W., M.A., Ph.D. Ohio. 2011

Karen M. Felker, M.Ed., Clinical Placement Coordinator and Licensure Officer in Education  

David Bruce Fletcher, Ph.D., Associate Professor of Philosophy  
B.A. Wheaton; M.A., Ph.D. Kansas. 2012
B.A. Trinity; M.A. Loyola; Ph.D. Illinois. 1981
Matthew P. Forsstrom, Ph.D., Assistant Professor of Economics
B.A. Gordon; M.S., Ph.D. North Carolina. 2017
Christin Fort, Ph.D., Assistant Professor of Psychology
B.A. Wheaton; M.A., Ph.D. Fuller Theological Seminary. 2018
Jeffrey R. Galbraith, Ph.D., Associate Professor of English
B.A. Missouri; M.A. Boston; Ph.D. Indiana. 2011
Robert L. Gallagher, Ph.D., Professor of Intercultural Studies
B.Sc. (Tech.) New South Wales; B.A., M.St.Ed. Wollongong (Australia); M.A., Ph.D. Fuller Theological Seminary.1998
Kristin N. Garrett, Ph.D., Assistant Professor of Political Science
B.S. Wheaton, M.A., Ph.D. North Carolina. 2017
Stephanie Ruth Gates, Ph.D., Assistant Professor of Spanish
B.A. Hope; M.A. Florida; Ph.D. Virginia. 2016
Alison Gibson, PhD, Senior Lecturer of English
B.A. Wofford; M.A., Ph.D., Virginia. 2010
Richard H. Gibson, Ph.D., Associate Professor of English
A.B., Princeton; M.A., Ph.D. Virginia. 2009
Michael Graves, Ph.D., Carl Armerding and Hudson T. Armerding Professor of Biblical Studies
B.A. Wheaton; M.A. Trinity International; Ph.D. Hebrew Union. 2004
Susan H. Greener, Ph.D., Associate Professor of Intercultural Studies
B.A. Blackburn; M.S., Ph.D. Illinois. 2011
Nick Lei Guo, Ph.D., Associate Professor of Economics
B.A., M.S. Wuhan University; Ph.D. University of Minnesota. 2018
Daniel T. Haase, M.A., Associate Lecturer of Christian Formation and Ministry
Sarah E. Hall, Ph.D., Associate Professor of Psychology
B.S. Richmond; M.S., Ph.D. Pennsylvania State. 2009
Darlene B. Hannah, Ph.D., Assistant Professor of Psychology
B.A. Virginia; M.S., Ph.D. Northwestern. 1984
Melissa L. Franklin Harkrider, Ph.D., Associate Professor of History, Department Chair
B.A. Rollins; M.A. Rochester; Ph.D. North Carolina at Chapel Hill. 2003
Carolyn Hart, D.M., Professor of Music
B.M., M.M., Toronto; D.M. British Columbia. 1999
Andrew E. Hill, Ph.D., Professor of Old Testament
Enoch S. Hill, Ph.D., Assistant Professor of Economics
B.A. Wheaton, M.A., Ph.D., Minnesota. 2015
Theon E. Hill, Ph.D., Assistant Professor of Communication
B.A., M.A. Bob Jones; Ph.D. Purdue. 2014
Sarah Holman, D.M.A., Professor of Music
David JP Hooker, M.F.A., Professor of Art
B.A. Furman; M.F.A. Kent State. 2005
Mary Ellen Hopper, D.M.A., Professor of Music
B.M.E. Wheaton; M.A., D.M.A. Iowa. 1979
Daniel Horn, D.M.A., Professor of Music
Brian M. Howell, Ph.D., Professor of Anthropology
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B.A. Northwestern-Roseville; M.A. Wheaton

Adjunct and Guest Faculty (2018-19)
Micah L. Alford, M.A., Guest Instructor in Applied Health Science
B.S. Wheaton; M.A. Northwestern

Andrew L. W. Anderson, M.M., Guest Lecturer in Music, String Bass
B.M. Michigan; M.M. Indiana

Kendrick T. Armstrong, B.M., Guest Lecturer in Music
B.M. Wheaton

Kathryn Bacasmot, M.M., Guest Lecturer in Music
B.M. Wheaton; M.M. New England Conservatory

Donald G. Baddorf, B.M. Guest Lecturer in Music
B.M. Wheaton

Mary Baker, Ph.D. Guest Instructor in Biblical and Theological Studies
B.F.A. Denison; M.A. Wheaton; Ph.D. Trinity International

Derek Ball, Ph.D. Guest Instructor in Psychology
B.A. Indiana University; M.S., Ph.D. Purdue

Mandy L. Baraka, M.A. Guest Instructor in Psychology
B.S. Southwest Baptist; M.A. Wheaton

Ozella R. Barnes, PsyD Guest Instructor in Psychology
B.S. Central Missouri State; M.A, PsyD. Wheaton

David P. Barshinger, Ph.D., Guest Instructor in Biblical and Theological Studies
B.A. Cedarville; Th.M. Dallas Theological Seminary; Ph.D. Trinity International

Elizabeth A. Bauer, D.M.E., Guest Lecturer in Music
B.A. Wheaton; M.M. Northern Illinois; D.M.E. Indiana

Matthew A. Befus, M.Ed., Guest Instructor in Biology
B.S. Wheaton; M.Ed. National-Louis

Britta E. Beiter, M.A., Guest Instructor in Education
B.A. Wheaton; M.A. Michigan

Arthur O. Black, M.M., Guest Lecturer in Music
B.S. Messiah; M.M. Indiana

Jesse C. Bliss, M.P.H., Guest Instructor in Humanitarian and Disaster Leadership
B.A. La Sierra; M.P.H. Loma Linda

Walleska I. Bliss, M.S.W., Guest Instructor in Humanitarian and Disaster Leadership
B.S.W. La Sierra; M.P.H., M.S.W. Loma Linda

Daniel I. Block, D.Phil., Adjunct Professor of Old Testament Emeritus
B.A. Saskatchewan; M.A. Trinity Evangelical Divinity School; D.Phil. Liverpool (England)

Edith Blumhofer, Ph.D., Adjunct Professor of History Emerita
B.A., M.A. Hunter; Ph.D. Harvard

Steven M. Bob, D.Div., Guest Instructor in Biblical and Theological Studies
B.A. Minnesota; M.A., D.Div. Hebrew Union

Daniel J. Brendsel, Ph.D., Guest Instructor in Biblical and Theological Studies
B.A. Moody; M.Div. Gordon-Conwell; Ph.D. Wheaton

Jennie Brown, D.M.A., Guest Lecturer in Flute
B.Mus. Northwestern; M.Mus., D.M.A. Eastman School of Music

Kristen L. Brown, M.F.A. Guest Instructor in Art
B.A. Wheaton; M.F.A. Maryland Institute

O. Michael Bubu, Ph.D., Adjunct Assistant Professor of Applied Health Science
M.D. University of Benin; M.P.H. Emory; Ph.D. University of South Florida

Timothy R. Buhrt, Psy.D., Guest Instructor in Psychology

B.A. Hamline; M.A. Wheaton; M.A., Psy.D. Biola

C. Hassell Bullock, Ph.D., Adjunct Professor of Bible Emeritus
B.A. Samford; B. Div. Columbia Theological Seminary; Ph.D. Hebrew Union

Andrew R. Burlingame, M.A., Guest Instructor in Foreign Languages
B.A., M.A. Wheaton; M.A. University of Chicago

Esther Carlson, M.A., Guest Instructor in Communication
B.A. Wheaton; M.A. Northwestern

Mary E. Cerutti, M.A., Guest Instructor in Intercultural Studies - ICCT
B.S., Pennsylvania State; M.S. Villanova; M.A. Wheaton

Raymond Chang, M.Div. Guest Instructor in Christian Education and Ministry
B.A. Wheaton; M.Div. Trinity International

Bryan S. Chapman, J.D., Guest Instructor of Biblical and Theological Studies
B.A. Anderson; J.D. Missouri-Columbia

Maria A. Cornejo Garcia, Psy.D., Guest Instructor in Psychology
B.S. University of Illinois; M.A., Psy.D. Chicago School of Professional Psychology

Melanie J. Cottle, B.M., Guest Lecturer in French Horn
B.M. Northwestern

Marcie L. Curry, Ed.D., Guest Instructor in Urban Studies
B.A. Cedarville; M.A. Roosevelt; Ed.D. Concordia

Christopher P. Davis, M.M., Guest Lecturer in Trombone
B.M. Illinois Wesleyan; M.M. Northwestern

Donald G. Davis, M.Ed., Guest Instructor in Education
B.A. Wheaton; M.Ed. National Louis

James C. Davis, M.M., Guest Lecturer in Music
B.M. Texas; M.M. North Texas

Lonna Dickerson, Ph.D., Adjunct Professor in Intercultural Studies
B.A. Wheaton; Ph.D. Illinois

David J. Doig, M.A. Guest Instructor in Urban Studies
B.A. Wheaton; M.A. Chicago

Dianne Dow, M.A., Adjunct Instructor of Intercultural Studies
B.S., M.A. Illinois

Joyanna L. Dreisbach, M.S.W., Guest Instructor in Sociology and Anthropology
BA. Central Bible College; M.S.W. Aurora

Kermit R. Eby, M.A., Guest Instructor in Education
B.S. Manchester; M.S. Illinois-Chicago

Sarah A. Edgar, M.A., Guest Lecturer in Music
B.F.A. Ohio State; M.A. Hochschule für Musik und Tanz Köln (Germany)

Kathryn A. Ernst, B.M., Guest Lecturer in Music - Jazz Studies
B.M. Eastman

Dennis R. Favaro, J.D., Guest Instructor in Business and Economics
B.A. Illinois Wesleyan; M.A. Wheaton; J.D. Valparaiso

John G. Finley, M.B.A., Guest Instructor in Business and Economics
B.S. Illinois-Urbana; M.B.A. Northwestern

Michael D. Folker, M.A., Guest Lecturer in Percussion
B.A. Millikin; M.A. DePaul

Amy Y. Forsberg, M.A., Guest Instructor in French
B.A. Juniata; M.A. Ohio University

Larry L. Funck, Ph.D., Adjunct Professor of Chemistry Emeritus
B.S. Lebanon Valley; Ph.D. Lehigh

Denise Gamez, M.M., Guest Lecturer in Voice
B.M.E. Wheaton; M.M. Indiana

Bethel L. Gascho, M.A.T., Guest Instructor in Modern and Classical Languages
B.A., M.A.T. Wheaton

Stacy L. Gerberich, Psy.D., Guest Instructor in Psychology
B.A. Messiah; M.A., Psy.D. Wheaton

Thomas E. Gill, M.A., Guest Instructor in Psychology
B.A. York University; M.A. Wheaton

Lucas W. Gillan, B.M., Guest Lecturer in Music
B.M. Northern Illinois

Christopher J. Grant, M.S., Guest Instructor in Business and Economics
B.A. Wheaton; M.S. Northwestern

Steven C. Green, M.M., Guest Lecturer in Music
B.A. Western Illinois; M.M. Northwestern

Jeffrey K. Greenberg, Ph.D., Adjunct Professor of Geology Emeritus
B.S. Florida State; M.S. Kentucky; Ph.D. North Carolina

Rose A. Griffin, M.M., Guest Lecturer in Viola
B.M. Juilliard; A.D. Curtis; M.M. Indiana

Grace E. Grooms, B.M., Guest Lecturer in Music
B.M. Wheaton

Robyn K. Hackett, M.A., Guest Instructor in ICCT
B.A. Arizona; M.A. Wheaton

Colleen B. Hale, M.A., Guest Instructor in ICCT
B.A., M.A. Wheaton

Matthew J. Hanlon, M.A., Guest Instructor in Psychology
B.A. Eastern Nazarene; M.A. Wheaton

Kevin L. Harrison, M.M., Guest Lecturer in Music
B.M. Truman State; M.M. DePaul

Leslie Hawthorne Klingler, M.A., Guest Instructor in Spanish
B.A. Wheaton; M.A. Fuller

Ronald E. Haydon, Ph.D., Guest Assistant Professor of Old Testament
B.A. Shasta Bible College; M.A. Wheaton; Ph.D. Trinity Evangelical Divinity School

Lisa Heidlauf, M.S., Adjunct Instructor in Geology
A.B. Smith; M.S. Illinois at Urbana-Champaign

Lance P. Higginbotham, Ph.D., Guest Assistant Professor in Biblical and Theological Studies
B.A. Dallas Baptist; M.Div. Southwestern Baptist; Ph.D. Trinity Evangelical Divinity School

Lee Doug Hoffer, M.A., Guest Instructor in Biblical and Theological Studies
B.A., M.A. Wheaton; M.A. Chicago

Deborah R. Hollinger, M.Mus., Guest Lecturer in Piano
B.M. Wheaton; M.Mus. Northwestern

James W. Hull, Ph.D., Guest Instructor in Psychology
B.S., M.S., Ph.D. Delaware

Stephen B. Ivester, Ph.D., Guest Instructor in Christian Formation and Ministry
B.M. M.A. Wheaton; Ph.D. Talbot

Christopher J. Jackson, M.B.A., Guest Instructor in Business and Economics
B.B.A. Notre Dame; B.M.A. Northwestern

Donald J. Jankowski, Ph.D., Guest Instructor in Business and Economics
B.S., M.A., Marquette; M.S. Ph.D. Purdue

Eric L. Johnson, M.A., Guest Instructor in History
B.A. Bethel College; M.A. Trinity International University

Stephen D. Johnson, Ph.D., Guest Instructor in Business and Economics
B.A. Wheaton; Ms.Ed. National Louis; Ph.D. Nova Southeastern

Steven V. Jones, M.A., Guest Instructor in Psychology
B.A. Houghton; M.A. Wheaton

Misook Kim, D.M.A., Guest Lecturer in Music
B.A. Seoul National; M.M., D.M.A. Texas at Austin

Sandra Kruse, Psy.D, Guest Instructor in Psychology
B.A., M.A.; Psy.D. Wheaton

Mark S. LaChonce, M.A., Guest Instructor in ICCT
B.A. Hope; M.Div. Western Theological; M.A. Wheaton

Bette Lawrence-Water, M.S., Guest Instructor in Humanitarian and Disaster Leadership
B.S., M.S., National-Louis

Nathan LeMahieu, M.Div., Guest Instructor in Biblical and Theological Studies
B.M., B.A. Northwestern; M.M. Notre Dame; M.Div. Trinity International University

Brooks D. Locke, J.D. Guest Instructor in Politics and International Relations
B.A. Wheaton; J.D. Illinois at Urbana

Abigail H. Long, M.Ed., Guest Instructor of English
B.A. Wheaton; M.Ed. Lipscomb

Hana S. Longenecker, M.A. Guest Instructor in Psychology
B.A. Lehigh; M.A. Wheaton

Christopher M. Lorimer, M.M., Guest Lecturer in Music, Voice
B.M., M.M. Northwestern

Carla K. Lovett, M.A., Adjunct Assistant Professor of History
Lance J. Peeler, Ph.D., Guest Assistant Professor in Biblical and Theological Studies
B.M. Oklahoma Baptist; M.M. Westminster Choir College; M.Phil., Ph.D. Drew

Terrence H. Perciante, Ed.D., Adjunct Professor of Mathematics Emeritus
B.S. Wheaton; Ed.D. SUNY at Buffalo

Paul Petrica, M.B.A., Guest Instructor in Business and Economics
B.S. Illinois State; M.B.A. Loyola

Benjamin M. Pierson, M.B.A., Guest Instructor in Physics
B.S. Tulsa; M.B.A. Notre Dame

Brian Porick, B.M., Guest Lecturer in Music
B.M. Wheaton

Brian T. Post, Psy.D., Guest Assistant Professor of Psychology
B.A. Calvin; M.A., Psy.D. Wheaton

John Rakes, M.M., Guest Lecturer in Music
B.M.E. Wheaton; M.M. Northern Illinois

Mark L. Ramirez, M.A., Guest Instructor in Psychology
B.S. Grand Canyon; M.A. Wheaton

Stephen Derek Ramsdell, M.M., Guest Lecturer in Jazz Guitar
B.M., M.M. Northwestern

Benjamin W. Redan, Ph.D., Guest Instructor in Biology
B.S. Scranton; Ph.D. Purdue

Mark A. Ridenour, M.M., Guest Lecturer in Trumpet
B.A. Asbury; M.M. Cincinnati

Kelley Robbins, B.A., Guest Instructor in Communication
B.A. Wheaton

Claudia A. Root, M.A., Guest Instructor in Intercultural Studies
B.A. Whittier; M.A. Wheaton

John G. Rorvik, M.A., Adjunct Instructor in Communication
B.A. Houghton; M.A. Syracuse

Alana M. Roth, Psy.D., Guest Instructor in Psychology
B.A. Biola; M.A., Psy.D. Wheaton

Leland Ryken, Ph.D., Adjunct Professor of English Emeritus
B.A. Central College; Ph.D. University of Oregon

Yousaf Sadiq, Ph.D., Guest Instructor in Sociology and Anthropology
B.A., Ph.D. London School of Theology

Roger L. Sandberg, M.B.A., Guest Instructor in Humanitarian and Disaster Leadership
B.A. Wheaton; M.B.A. Rollins

Lisa M. Sandlund, Psy.D, Adjunct Assistant Professor in Psychology
B.A. Trinity International; M.S.W. Aurora; Psy.D. Wheaton

D. Brent Sandy, Ph.D., Adjunct Professor of New Testament
B.A. M.Div. Grace; Ph.D. Duke
Carleigh J. Schoenleber, M.A., Guest Instructor in Education
B.A. Wheaton; M.A. Northern Illinois

Alice N. Schruba, Psy.D., Guest Instructor in Humanitarian and Disaster Leadership
B.A. Texas Christian; M.A.; Psy.D. Wheaton

Heather L. Secker, M.S., Guest Instructor in Biology
B. S. Wheaton; M.S. Illinois

Faye Seeman, M.M., Guest Lecturer in Music
M.M. Boston

David L. Sikkenga, Ph.D., Guest Professor in Chemistry
B.S. Calvin; Ph.D. Illinois

Steven C. Sjobring, B.M., Guest Lecturer in Music
B.M. Wheaton

Samuel Cooper Smith, M.Div., Guest Instructor in Biblical and Theological Studies
B.S. Liberty; M.Div. Trinity Evangelical Divinity School

Diana M. Soerens, M.A., Guest Instructor of French and Spanish
B.A. Wheaton; M.A. New York

Matthew J. Soerens, M.S., Guest Instructor in Humanitarian and Disaster Leadership
B.A. Wheaton; M.S. DePaul

Aaron J. Stampfl, D.M., Guest Lecturer in Music, Piano
B.M. Wheaton; M.M. Indiana; D. M. Northwestern

Jason S. Stanghelle, M.Div., Guest Instructor in Biblical and Theological Studies
B.A. Truman State; M.Div. Trinity International

Thomas Stark, Guest Lecturer in Music

Joyce M. Stauffer, M.A., Guest Instructor for ICCT
B.A. Washington Bible College; M.A. Azusa Pacific

Robin C. Sterling, M.M., Guest Lecturer in Voice
B.M. Wheaton; M.M. Northwestern

Deborah A. Stevenson, M.M., Guest Lecturer in Music
B.M. Northern Illinois; M.M. Northwestern

Jane Stoller-Schoff, M.A., Guest Instructor in Psychology
B.S. Fort Wayne Bible College; M.A. Wheaton

James A. Stombres, M.M., Guest Lecturer in Music
B.M.E. Illinois State; M.M. Northwestern

Anne E. Sullivan, M.M., Guest Lecturer in Music
B.M. Wheaton; M.M. DePaul

David E. Sveen, Ph.D., Guest Assistant Professor in Christian Formation and Ministry
B.S. Northern Illinois; M.B.A. DePaul; M.A. Wheaton; Ph.D. Trinity Evangelical Divinity School

Marie Tang, M.A., Guest Instructor in Applied Linguistics and International Education
B.S., M.A. Illinois

B.A. West Virginia; M.A. Wheaton; Ph.D. Edinburgh (Scotland)

Jeffrey P. Thompson, M.F.A., Guest Associate Professor of Art
B.A. Wheaton; M.F.A. Maryland

Brian Torosian, D.M., Guest Lecturer in Classical Guitar
B.M., M.M., D.M. Northwestern

Jill Tsekouras, M.M., Guest Lecturer in Music
B.M.E. Wheaton; M.M. Illinois

Martha G. Van Zee, M.S.Ed., Guest Instructor in Education
B.A. Grove City; M.S.Ed. Northern Illinois

Judith Vandermeulen, M.A., Guest Instructor in Education
B.S. Taylor; M.A. National Louis

Brenda D. Vishanoff, M.A., Guest Lecturer in Music
B.M. Peabody Institute; M.A. Northwestern; M.A. Aurora

John D. Wallbaum, M.S.Ed., Guest Instructor in Education
B.S. Purdue; M.S.Ed. Northern Illinois

Jeremy Ward, M.M., Guest Lecturer in Music
B.M. Oberlin; M.M. Northwestern

Gregory Allen Wheatley, M.M., Guest Lecturer in Music
B.A. Spring Arbor; M.M. Michigan State

Howard L. Whitaker, Ph.D., Adjunct Professor of Music Emeritus
B.M.E. Wheaton; M.M.E. University of Colorado; Ph.D. Chicago

Joshua F. Whitney; Ph.D., Guest Assistant Professor in Physics
B.S. King; Ph.D. Tennessee-Knoxville

Hillary A. Wildt, Psy.D., Guest Instructor in Psychology
B.A. Colorado; Psy.D. Argosy

B.A. Wheaton; M.F.A. Marymount

Elizabeth R. Winters, M.F.A, Guest Instructor in Art
B.A. Wheaton; M.F.A. Hawaii at Manoa

Sarah B. Woods, M.F.A., Guest Instructor in Art
B.F.A Northern Illinois; M.F.A. Illinois

Sean L. Young, M.A., Guest Instructor in Urban Studies
B.S. Roberts Wesleyan; M.A. Asbury Theological; M.A. Loyola

Paul Zafer, M.M., Guest Lecturer in Violin
B.Mus. Toronto; M.M. Northern Illinois

Paul Zafer, M.M., Guest Lecturer in Violin
B.Mus. Toronto; M.M. Northern Illinois

Molly Z. Zakrajsek, B.F.A., Guest Instructor of Art
B.F.A. Bowling Green
# TELEPHONE NUMBERS

Please send inquiries to the appropriate campus office. Telephone calls may be dialed directly to campus offices or departments. The Wheaton area code is (630).

Wheaton College  
501 College Avenue  
Wheaton, Illinois 60187-5501

<table>
<thead>
<tr>
<th>Office</th>
<th>Telephone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Central Switchboard</td>
<td>752-5000</td>
</tr>
<tr>
<td>Academic Records and Services</td>
<td>752-5045</td>
</tr>
<tr>
<td>Accounting Office</td>
<td>752-5126</td>
</tr>
<tr>
<td>Academic and Institutional Technology Service Desk</td>
<td>752-4357</td>
</tr>
<tr>
<td>Admissions—Graduate</td>
<td>752-5195</td>
</tr>
<tr>
<td>Toll-free for out of state</td>
<td>1-800-888-0141</td>
</tr>
<tr>
<td>Admissions—Undergraduate</td>
<td>752-5005</td>
</tr>
<tr>
<td>Toll-free for out of state</td>
<td>1-800-222-2419</td>
</tr>
<tr>
<td>Advancement, Vocation, and Alumni Engagement</td>
<td>752-5016</td>
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<tr>
<td>Alumni and Parent Engagement</td>
<td>752-5047</td>
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<tr>
<td>Athletics</td>
<td>752-5079</td>
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<tr>
<td>Billy Graham Center</td>
<td>752-5918</td>
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<tr>
<td>Center for Vocation and Career</td>
<td>752-5048</td>
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<tr>
<td>Chaplain’s Office</td>
<td>752-5087</td>
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<tr>
<td>Course Information, Registration</td>
<td>752-5045</td>
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<tr>
<td>Conservatory of Music</td>
<td>752-5099</td>
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<tr>
<td>Counseling Center</td>
<td>752-5321</td>
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<td>Enrollment Management</td>
<td>752-5005</td>
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<td>Facilities Management</td>
<td>752-5113</td>
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<td>Freshman Advising Office</td>
<td>752-7373</td>
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<td>Information and Ticket Office</td>
<td>752-5010</td>
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<tr>
<td>Learning and Accessibility Services</td>
<td>752-5022</td>
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<tr>
<td>Library</td>
<td>752-5102</td>
</tr>
<tr>
<td>Office of Christian Outreach</td>
<td>752-5076</td>
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<tr>
<td>Office of the President</td>
<td>752-5002</td>
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<tr>
<td>Office of the Provost</td>
<td>752-5004</td>
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<tr>
<td>Office of the Registrar</td>
<td>752-5045</td>
</tr>
<tr>
<td>FAX</td>
<td>752-5245</td>
</tr>
<tr>
<td>Residence Life</td>
<td>752-5022</td>
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<tr>
<td>ROTC–Military Science</td>
<td>752-5121</td>
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<tr>
<td>Student Development</td>
<td>752-5022</td>
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<tr>
<td>Student Financial Services</td>
<td>752-5700</td>
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<td>Student Health Services</td>
<td>752-5072</td>
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<tr>
<td>Student Housing Services</td>
<td>752-5202</td>
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<tr>
<td>Transcript Requests—Registrar’s Office</td>
<td>752-5046</td>
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<tr>
<td>FAX</td>
<td>752-5245</td>
</tr>
<tr>
<td>Veterans’ Benefits-Student Financial Services</td>
<td>752-5056</td>
</tr>
</tbody>
</table>
## COLLEGE CALENDAR

* Registrar’s Calendar (p. 498)

### Fall 2019

<table>
<thead>
<tr>
<th>Date</th>
<th>Day of the Week</th>
<th>Event</th>
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<tbody>
<tr>
<td>August</td>
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<tr>
<td>19-21</td>
<td>Mon.-Wed.</td>
<td>New faculty orientation</td>
</tr>
<tr>
<td>22-23</td>
<td>Thurs.-Fri.</td>
<td>International student orientation</td>
</tr>
<tr>
<td>23</td>
<td>Friday</td>
<td>New undergraduate students arrive</td>
</tr>
<tr>
<td>23-27</td>
<td>Fri.-Tues.</td>
<td>New undergraduate student orientation</td>
</tr>
<tr>
<td>23</td>
<td>Friday</td>
<td>Faculty Workshop</td>
</tr>
<tr>
<td>25</td>
<td>Sunday</td>
<td>Residence halls open for continuing students 2 pm</td>
</tr>
<tr>
<td>26</td>
<td>Monday</td>
<td>Faculty Banquet</td>
</tr>
<tr>
<td>26</td>
<td>Monday</td>
<td>Graduate student orientation &amp; registration</td>
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<tr>
<td></td>
<td></td>
<td>Transfer student advising and registration</td>
</tr>
<tr>
<td>27</td>
<td>Tuesday</td>
<td>Registration of new freshmen students</td>
</tr>
<tr>
<td>28</td>
<td>Wednesday</td>
<td>Classes begin</td>
</tr>
<tr>
<td>September</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Monday</td>
<td>Labor Day—offices closed, no classes</td>
</tr>
<tr>
<td>4-6</td>
<td>Wed.-Fri.</td>
<td>Fall Special Services</td>
</tr>
<tr>
<td>October</td>
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<tr>
<td>4-5</td>
<td>Fri.-Sat.</td>
<td>Homecoming Weekend</td>
</tr>
<tr>
<td>18</td>
<td>Friday</td>
<td>End of first half of semester (A Quad)</td>
</tr>
<tr>
<td>19-23</td>
<td>Sat.-Wed.</td>
<td>Mid-semester break—no classes</td>
</tr>
<tr>
<td>24</td>
<td>Thursday</td>
<td>Beginning of second half of semester (B Quad)</td>
</tr>
<tr>
<td>November</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Mon.</td>
<td>Advising for spring semester begins</td>
</tr>
<tr>
<td>6-8</td>
<td>Wed.-Fri.</td>
<td>Staley Lectures</td>
</tr>
<tr>
<td>8-9</td>
<td>Fri.-Sat.</td>
<td>Family Weekend</td>
</tr>
<tr>
<td>11-22</td>
<td>Mon.-Fri.</td>
<td>Advance registration—course scheduling for spring semester</td>
</tr>
<tr>
<td>December</td>
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<td></td>
</tr>
<tr>
<td>2</td>
<td>Monday</td>
<td>Incomplete deadline for A quad courses</td>
</tr>
<tr>
<td>13</td>
<td>Friday</td>
<td>Last Day of fall classes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Graduate School Graduation Recognition</td>
</tr>
<tr>
<td>16</td>
<td>Monday</td>
<td>Reading day (Exams for Monday late afternoon and evening classes)</td>
</tr>
<tr>
<td>16-19</td>
<td>Mon.-Thurs.</td>
<td>Final examinations</td>
</tr>
<tr>
<td>20</td>
<td>Friday</td>
<td>Christmas vacation begins</td>
</tr>
<tr>
<td></td>
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<td>Campus housing closes at 5pm</td>
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</table>

### Spring/Summer 2020

<table>
<thead>
<tr>
<th>Date</th>
<th>Day of the Week</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>January</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Friday</td>
<td>Orientation/Registration for new students</td>
</tr>
<tr>
<td>11</td>
<td>Saturday</td>
<td>Residence halls open for continuing students</td>
</tr>
<tr>
<td>13</td>
<td>Monday</td>
<td>Classes begin</td>
</tr>
<tr>
<td>20</td>
<td>Monday</td>
<td>Martin Luther King Day—no classes, offices closed</td>
</tr>
<tr>
<td>27-29</td>
<td>Mon.-Wed.</td>
<td>Spring Special Services</td>
</tr>
<tr>
<td>30</td>
<td>Thursday</td>
<td>Incomplete deadline for Fall semester/B quad courses</td>
</tr>
<tr>
<td>February</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Tuesday</td>
<td>Faculty Development Day—no classes before 3 pm, classes which meet only on Tues. after 3:00 will meet; offices open</td>
</tr>
<tr>
<td>17</td>
<td>Monday</td>
<td>Presidents’ Day—no classes before 3 pm, classes which meet only on Mon. after 3:00 will meet; offices open</td>
</tr>
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<td>19-21</td>
<td>Wed.-Fri.</td>
<td>Missions in Focus</td>
</tr>
<tr>
<td>March</td>
<td></td>
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<tr>
<td>6</td>
<td>Friday</td>
<td>End of first half of semester (A Quad)</td>
</tr>
<tr>
<td>7-15</td>
<td>Sat.-Sun.</td>
<td>Spring vacation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Campus housing closed</td>
</tr>
<tr>
<td>16</td>
<td>Monday</td>
<td>Beginning of second half of semester (B Quad)</td>
</tr>
<tr>
<td>23</td>
<td>Monday</td>
<td>Advising for fall semester begins</td>
</tr>
<tr>
<td>23</td>
<td>Monday</td>
<td>Advance registration for summer school begins</td>
</tr>
<tr>
<td>April</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/30-4/15</td>
<td>Mon.-Wed.</td>
<td>Advance registration—course scheduling for fall semester</td>
</tr>
<tr>
<td>10</td>
<td>Friday</td>
<td>Good Friday—no classes, office closed</td>
</tr>
<tr>
<td>17</td>
<td>Friday</td>
<td>Incomplete deadline for A quad courses</td>
</tr>
<tr>
<td>May</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Friday</td>
<td>Last day of spring classes</td>
</tr>
<tr>
<td>4</td>
<td>Monday</td>
<td>Reading day (Exams for Monday late afternoon and evening classes)</td>
</tr>
<tr>
<td>4-7</td>
<td>Mon.-Thurs.</td>
<td>Final examinations</td>
</tr>
<tr>
<td>8</td>
<td>Friday</td>
<td>Campus housing closes for students not participating in commencement</td>
</tr>
<tr>
<td>8-9</td>
<td>Fri.-Sat.</td>
<td>Alumni Weekend</td>
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<tr>
<td>8-10</td>
<td>Fri.-Sun.</td>
<td>Commencement Weekend</td>
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<tr>
<td>11</td>
<td>Monday</td>
<td>Campus housing closes for graduating students</td>
</tr>
<tr>
<td>18</td>
<td>Monday</td>
<td>First summer session begins</td>
</tr>
<tr>
<td>Date</td>
<td>Day</td>
<td>Event</td>
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<tr>
<td>25</td>
<td>Monday</td>
<td>Memorial Day holiday, no classes, offices closed (Monday classes meet on Wednesday)</td>
</tr>
<tr>
<td>June</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Friday</td>
<td>First summer session ends</td>
</tr>
<tr>
<td>15</td>
<td>Monday</td>
<td>Second summer session begins</td>
</tr>
<tr>
<td>18</td>
<td>Thursday</td>
<td>Incomplete deadline for full semester/B quad courses</td>
</tr>
<tr>
<td>July</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Friday</td>
<td>Holiday, no classes, offices closed</td>
</tr>
<tr>
<td>10</td>
<td>Friday</td>
<td>Second summer session ends</td>
</tr>
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**REGISTRAR’S CALENDAR**

**2019-2020**

The following summarizes the deadlines to be observed by all graduate and undergraduate students and faculty.

<table>
<thead>
<tr>
<th>Event</th>
<th>Type</th>
<th>Fall</th>
<th>Spring</th>
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**ADD AND DROP SCHEDULE:**

<table>
<thead>
<tr>
<th>Event</th>
<th>Type</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Last day to add course</td>
<td>Full</td>
<td>Sept. 10</td>
<td>Jan. 24</td>
</tr>
<tr>
<td></td>
<td>Half A</td>
<td>Sept. 3</td>
<td>Jan. 17</td>
</tr>
<tr>
<td></td>
<td>Half B</td>
<td>Oct. 30</td>
<td>Mar. 20</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Event</th>
<th>Type</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Last day before drops are recorded on student’s permanent record</td>
<td>Full</td>
<td>Sept. 10</td>
<td>Jan. 24</td>
</tr>
<tr>
<td></td>
<td>Half A</td>
<td>Sept. 10</td>
<td>Jan. 17</td>
</tr>
<tr>
<td></td>
<td>Half B</td>
<td>Nov. 6</td>
<td>Mar. 27</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Event</th>
<th>Type</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Last day to drop course with a W grade, or to elect pass/fail</td>
<td>Full</td>
<td>Nov. 26</td>
<td>Apr. 17</td>
</tr>
<tr>
<td></td>
<td>Half A</td>
<td>Oct. 1</td>
<td>Feb. 21</td>
</tr>
<tr>
<td></td>
<td>Half B</td>
<td>Nov. 26</td>
<td>Apr. 17</td>
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**REFUND SCHEDULE:**

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<th>Type</th>
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<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>Last day for refund on reduced load (if applicable)</td>
<td>100%</td>
<td>Sept. 10</td>
<td>Jan. 24</td>
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<table>
<thead>
<tr>
<th>Event</th>
<th>Type</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Last day for tuition refund on withdrawal from the College</td>
<td>100%</td>
<td>Sept. 10</td>
<td>Jan. 24</td>
</tr>
<tr>
<td></td>
<td>80%</td>
<td>Sept. 17</td>
<td>Jan. 31</td>
</tr>
<tr>
<td></td>
<td>70%</td>
<td>Sept. 24</td>
<td>Feb. 7</td>
</tr>
<tr>
<td></td>
<td>60%</td>
<td>Oct. 8</td>
<td>Feb. 21</td>
</tr>
<tr>
<td></td>
<td>50%</td>
<td>Oct. 15</td>
<td>Feb. 28</td>
</tr>
<tr>
<td></td>
<td>40%</td>
<td>Oct. 29</td>
<td>Mar. 13</td>
</tr>
<tr>
<td></td>
<td>0 refund thereafter</td>
<td></td>
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**GRADING SCHEDULE:**

<table>
<thead>
<tr>
<th>Event</th>
<th>Type</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Last Day to Remove Incompletes:</td>
<td>From A Quad Courses</td>
<td>Dec. 2</td>
<td>Apr. 17</td>
</tr>
<tr>
<td></td>
<td>From B Quad/Full semester courses</td>
<td>Jan. 30, 2020</td>
<td>Jun. 18</td>
</tr>
<tr>
<td></td>
<td>Mid-term at Risk Grades due by noon:</td>
<td>Nov. 1</td>
<td>Mar. 20</td>
</tr>
</tbody>
</table>

1. "A" courses meet the first half of the semester; "B" meet the second half.
2. B Quad added course should be an exchange for one dropped so that load and billing remain the same for the semester.
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