

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 (<https://catalog.wheaton.edu/undergraduate/academic-policies-information/academic-requirements-general-education/>) and graduation requirements (<https://catalog.wheaton.edu/undergraduate/academic-policies-information/academic-requirements-general-education/#text>) 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:

Code	Title	Credits
Major Requirements		
BIOL 241	Organization of Life: Genetics and Cell Biology	4
BIOL 242	Diversity of Life: An Introduction to Zoology and Botany	4
BIOL 243	Processes of Life: Ecology and Evolution	4
BIOL 252	Modeling the Systems of Life	4
BIOL 356	Genetics	4
BIOL 322	Advanced Cellular and Developmental Biology	4
or BIOL 324	Microbiology	
or BIOL 325	Immunology and Microbial Pathogenesis	
BIOL 494	The Integrated Biologist	2
Select 4 credits of 300-level lab classes		4
Required Supporting Courses		
CHEM 231	General Chemistry I	4
CHEM 232	General Chemistry II	4
CHEM 241	Principles of Organic Chemistry	4
SCI 321	Methods of Teaching High School Science	2
SCI 325	Methods of Teaching Middle Grade Science	2
Select one of the following:		4
ASTR 305	Astronomy	
GEOL 212	The Dynamic Earth and Environment (or ENVR 212)	
PHYS 221	General Physics I	
PHYS 305	Dakota Skies: Astronomy and Atmospheric Science in the Black Hills	
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.