

CHEMISTRY MAJOR WITH TEACHING

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 (<https://catalog.wheaton.edu/undergraduate/arts-sciences/education/>) 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 (<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.

Chemistry Major with Teaching requirements are 52 credits as follows:

Code	Title	Credits
Major Requirements		
CHEM 231	General Chemistry I	4
CHEM 232	General Chemistry II	4
CHEM 336	Inorganic Chemistry	4
CHEM 341	Organic Chemistry I	4
CHEM 342	Organic Chemistry II	4
CHEM 355	Introduction to Analytical Chemistry	2
CHEM 371	Physical Chemistry I	4
CHEM 494	Chemistry In Context	2
Supporting Courses		
BIOL 461	General Biochemistry	4
MATH 235	Calculus I	4
Select one of the following:		8
PHYS 221 & PHYS 222	General Physics I and General Physics II	
PHYS 231 & PHYS 232	Introductory Physics I and Introductory Physics II	
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	
ENVR 212	The Dynamic Earth and Environment	
PHYS 305	Dakota Skies: Astronomy and Atmospheric Science in the Black Hills	
Total Credits		52