



THE UNIVERSITY OF MICHIGAN-ANN ARBOR
SCHOOL OF EDUCATION
TEACHER EDUCATION PROGRAM

Biology: MINOR Requirements for Secondary Teacher Certification

Please note: Major/minor requirements are subject to change. All candidates are expected to consult with a School of Education advisor as they plan and progress through their program.

Minors must complete a minimum of 25 credits including the following:

Prerequisite courses:

(Note: These do not count toward the required credits for the minor.)

Course Number	Course Title	Credits	Completed?
Chem 125	General Chemistry Laboratory I	1	
Chem 130*	General Chemistry: Macroscopic Investigations and Reaction Principles	3	
Chem 210	Structure and Reactivity I	4	
Chem 211	Investigations in Chemistry		
Chem 215	Structure and Reactivity II	3	
Chem 216	Synthesis and Characterization of Organic Compounds	2	

* If possible, students should take the studio section of Chemistry 130. This section is generally only offered in the fall. Please contact the Chemistry Department at (734) 763-7315 to identify which section is the studio section.

Minor Requirements: (MUST COMPLETE)

Course Number	Course Title	Credits	Completed?
Biology 162	Introductory Biology	5	
Biology 225	Principles of Animal Physiology: Lecture	3	
Biology 305	Genetics	4	

Select one course:

Biology 310	Introductory Biochemistry	4	
Biology 311	Introductory Biochemistry	4	
Biochemistry 415	Introductory Biochemistry	4	

Select two courses for a total of at least six credits:

Biology 118	AIDS and Other Health Crises	4	
Biology 207	Introductory Microbiology	4	
Biology 208	Embryology	3	
Biology 222	From Message to Mind: An Introduction to Neurobiology	3	
Biology 252	Chordate Anatomy and Phylogeny	4	

Select one or two courses for a total of at least three credits:

Biology 226	Animal Physiology	2	
Biology 230	Introduction to Plant Biology	4 or 5	
Biology 255	Plant Diversity	5	
Biology 281	General Ecology	3	
Biology 282	General Ecology Laboratory	3	
Biology 288	Animal Diversity	4	
Biology 390	Evolution	4 or 5	
MCDB 306	Introductory Genetics Laboratory	3	

Additional courses selected from Biology, EEB, or MCDB to meet credit requirements		
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