

**CONCORDIA COLLEGE – MOORHEAD MN**  
**Major in Biology Education**

The major in Biology Education prepares students to be recommended by the  
 Concordia College Department of Education for Minnesota licensure to teach in grades 9-12.  
 Courses fulfill standards for MN Rule 8710.4750

**The requirements are 32 credits in biology plus 32 credits in education:**

Course Number	Course Name	Semester Credits	Status
BIOL 121	Cell Biology	4	
BIOL 122	Evolution and Diversity	4	
BIOL 221	Ecology	4	
BIOL 222	Genetics and Molecular Biology	4	
<b>16 additional credits in biology including at least:</b>		16	
<b>4-credit field course selected from:</b>			
BIOL 305	Ecology and Field Biology (4 cr)		
BIOL 309	Ornithology (4 cr)		
BIOL 311	Entomology (4 cr)		
BIOL 313	Plant Taxonomy (4 cr)		
BIOL 405	General Ecology (4 cr)		
BIOL 409	Limnology (4 cr)		
ESC 302/ ENVR 302	Geology (4 cr)		
<b>4-credit laboratory based course selected from:</b>			
BIOL 306	Human Anatomy and Physiology (4 cr)		
BIOL 324	Invertebrate Zoology (4 cr)		
BIOL 336	Histology (4 cr)		
BIOL 350	Animal Behavior (4 cr)		
BIOL 352	Immunology and Parasitology (4 cr)		
BIOL 400/NEU 400	Neurobiology (4 cr)		
BIOL 402	Embryology (4 cr)		
BIOL 407	Microbiology (4 cr)		
BIOL 411	Integrated Vertebrate Anatomy and Physiology I (4 cr)		
BIOL 412	Integrated Vertebrate Anatomy and Physiology II (4 cr)		
BIOL 416	Advanced Topics and Genetics (4 cr)		
<b>Required Methods Course:</b>			
EDUC 371	Methods of Teaching in Art: Elementary and Secondary	4	
<b>Education Requirements:</b>			
PSYC 212	Educational Psychology	4	
EDUC 210	Foundations in K-12 Education	2	
EDUC 221	Teaching in the Middle School	2	
EDUC 350	The Art and Science of Teaching	2	
EDUC 351	Ecology of the Educational Setting	2	
EDUC 399	Orientation to Student Teaching	0	
EDUC 420	Knowledge, Literacy, and Inquiry	2	
EDUC 425	Education of the Exceptional Child	2	
EDUC 439	Human Relations	2	
EDUC 494	Student Teaching	10	