

Bachelor of Science: Biology Education (grades 9-12)

Course	Title	Credits	Sem.
Admission to Teacher Preparation Program Requirements			
COMM XXX	Any Goal 1 COMM with COMM Prefix <i>(Minimum grade of C or better required for admission to TPP)</i>	3	B, Su
ENG 151 or ENG 251	Academic Writing Writing in Professions <i>(Minimum grade of C or better required for admission to TPP)</i>	3-4	, Su
MATH XXX	Any Goal 4 MATH with MATH prefix <i>(Minimum grade of C or better required for admission to TPP)</i>	3-5	B, Su
Standards of Effective Practice			
ED 101	Introduction to Education & Lab	3	B
ED 102	Educational Technology	2	B, Su
ED 251	Child and Adolescent Growth and Development	3	B, Su
SPED 290	Introduction to Special Needs & Lab	3	B
ED 312	Human Relations for Teachers and Diversity in Education	3	B, Su
TESL 431	Foundations of Teaching Multilingual Learners	3	B
ED 301	Inclusive Learning Environments	3	F
ED 304	Pre-Student Teaching Experience for Secondary Educators <i>*Pre-Requisite: ED 301</i>	3	S
Discipline Methods Courses			
ED 407	Secondary Methods: Science & Lab	3	se
ED 430	Reading in the Content Areas	2	S
Required Content Classes			
BIOL 200 & 200L	Introduction to Cellular Biology & Lab	4	B
BIOL 201 & 201L	Introduction to Biodiversity & Evolution & Lab	4	B
BIOL 287	Sophomore Biology Seminar	1	B
BIOL 302 & 302L	Botany & Lab <i>*Pre-Requisites: BIOL 200 & BIOL 201</i>	4	S
BIOL 303 & 303L	Microbiology & Lab <i>*Pre-Requisites: BIOL 200</i>	5	F
BIOL 305 & 305L	Human Anatomy & Physiology I & Lab <i>*Pre-Requisites: BIOL 200 & CHEM 121 or BIOL 200 & CHEM 231</i>	4	F
BIOL 311 & 311L	Ecology & Lab <i>*Pre-Requisites: BIOL 200 & BIOL 201 & BIOL 287 & BIOL 302</i>	4	F
BIOL 321 & 321L	Genetics & Lab <i>*Pre-Requisites: BIOL 200 & BIOL 201</i>	4	S
BIOL 487	Senior Biology Seminar <i>*Pre-Requisites: BIOL 200 & BIOL 201 & BIOL 287 & Minimum 75 credits</i>	1	B
Required Related Fields Courses			
ENVS 102 & 102L	History of Life & Lab	4	S
MATH 200	Intro to Statistics	3	B
Choose to complete either Group A or Group B			
Group A.			
CHEM 121 & 121L	Basic Chemistry & Lab	4	F
CHEM 122 & 122L	Introductory Organic/Biochemistry & Lab <i>*Pre-Requisites: CHEM 121 or CHEM 231</i>	4	S
Group B.			
CHEM 231 & 231L	General Chemistry I & Lab	4	F
CHEM 232 & 232L	General Chemistry II & Lab <i>*Pre-Requisites: CHEM 231</i>	5	S
Student Teaching			
ED 465	Student Teaching: Grade 5-12	12	B
ED 473	Teacher Licensure	0	B
Degree & Major Requirements			
	LEP/MnTC requirements (not all listed here)	45	
	Biology Content requirements	35-40	
	Secondary Education requirements	40	
	Total credits required <i>Note: Students must complete a minimum of 120 credits in order to graduate with a bachelor's degree.</i>	120-125	

Courses in the shaded area can be taken prior to admission to the Teacher Preparation Program

Courses not in the shaded areas require admission to the Teacher Preparation Program

F = Fall S = Spring B = Both F & S Su = Summer fo = fall odd so = spring odd fe = fall even se = spring even
 For example- fo = fall 2023; se = spring 2024

You are responsible for keeping informed of any changes in requirements which may affect your academic career.