



Plan of Study

Biology

with Biology Education Specialization

Catalog Year: 2025-2026

Sample Schedule: students are not limited to this plan; it is meant to serve as a guide for planning purposes in discussions with your academic advisor. This plan is one possible path to completing this degree in *four years*.

FIRST YEAR

First Semester

Course *Biology Core (21 credits)	Prerequisites / Comments	Credits	Semester(s) Offered
BIOL 151 General Biology I & Lab		4	F
CSC 105 Introduction to Computers		3	F/S/SU
Written Communication Requirement		3	F/S/SU
Mathematics Requirement	Placement Reports	3	F/S/SU
EDFN 102 Introduction to Education	College of Education Requirement	3	F/S/SU
*BIOL 145 Intro to Scientific Inquiry		1	F
Total Credit Hours		17	

Second Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
BIOL 153 General Biology II & Lab		4	S
Oral Communication Requirement		3	F/S/SU
SPED 100 Intro to Persons with Exceptionalities		3	F/S/SU
CSC 123 Prob Solving & Prog. or CIS 130 Visual Basic Program		3	F/S/SU
EPSY 210 Lifespan Development	Goal 3 General Education & COE Requirement	3	F/S/SU
Total Credit Hours		16	

Summer Semester

Course	Prerequisites	Credits	Semester(s) Offered
BIOL 235 Intro to Biotechnology & Lab	None; offered summers only (Biology and Tech component)	3	SU

SECOND YEAR

Third Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
*BIOL 221 Human Anatomy & Lab	BIOL 151	4	F
*BIOL 311 Principles of Ecology & Lab	BIOL 151	4	F (Odd Years)
INED 211 SD American Indian Culture	Goal 3 of General Education & COE Requirement	3	F/S/SU
CHEM 112 General Chemistry I & Lab	Math 114, 115, 129, 121, 123, 125 or 281	4	F
Total Credit Hours		15	

Fourth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
*BIOL 371 Genetics & Lab	BIOL 151	4	S (Even Years)
*BIOL 335 Introduction to Bioinformatics	BIOL 151 and CSC 105	3	
EPSY 302 Educational Psychology	College of Education Requirement	3	F/S/ SU
			F/S

Course	Prerequisites / Comments	Credits	Semester(s) Offered
CHEM 114 General Chemistry II & Lab	CHEM 112; Math 114, 115, 129, 121, 123, 125, or 281	4	S
	Total Credit Hours	15	

THIRD YEAR

Fifth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
*BIOL 331 Microbiology & Lab	BIOL 151	4	F (Odd Years)
BIOL Elective		3	
CSC 161 Computer Hardware, Data Communications and Networking		3	
Arts & Humanities Requirement		3	
SEED 302 Sec & Middle Level Content Major	Admitted to Teacher Ed.	2	F
	Total Credit Hours	15	

Sixth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
*BIOL 343 Cells and Molecular Biology & Lab	BIOL 151	4	S (Odd Years)
BIOL Elective		3	
Arts & Humanities Requirement		3	
Written Communication Requirement	ENGL 201 Recommended	3	F/S/SU
*BIOL 498 Undergraduate Research	Consent of the Instructor	2	
	Total Credit Hours	15	

FOURTH YEAR

Seventh Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
1st 8 Weeks:			
SEED 450 Reading & Content Literacy	Admitted to Teacher Ed.	3	F/S/SU
Electives	Recommend EDFN 300, 365, SEED 440 + Advisor Suggestions + Minor	11	
	Total Credit Hours	14	

Eighth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
SEED 488 Student Teaching	Admitted to Teacher Ed.	6	F/S
Electives	120 credits needed for degree	4	
	Total Credit Hours	10	

Semester: F = Fall; S = Spring; SU = Summer; **Information and course schedules may change. This is not a contract.**