

# Plan of Study

## Biology

with Biology Education Specialization

Catalog Year: 2024-2025

**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	Prerequisites / Comments	Credits	Semester(s) Offered
<b>*Biology Core (21 credits)</b>			
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 338 Foundations of American Education	College of Education Requirement	2	F/S/SU
*BIOL 145 Intro to Scientific Inquiry		1	F
	<b>Total Credit Hours</b>	<b>16</b>	

#### 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
	<b>Total Credit Hours</b>	<b>16</b>	

#### Summer Semester

Course	Prerequisites	Credits	Semester(s) Offered
BIOL 235 Intro to Biotechnology & Lab	None; offered summers only	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
	<b>Total Credit Hours</b>	<b>15</b>	

#### 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 Lifespan Development	College of Education Requirement	3	F/S/ SU
SEED 295 Practicum: Pre-Admission	College of Education Requirement	1	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
	<b>Total Credit Hours</b>	<b>15</b>	

### THIRD YEAR

#### Fifth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
*BIOL 331 Microbiology & Lab	BIOL 151	4	F (Odd Years)
BIOL Elective		3	
CIS 350 Computer Hardware		3	
Arts & Humanities Requirement		3	
SEED 302 Sec & Middle Level Content Major	Admitted to Teacher Ed.	2	F
	<b>Total Credit Hours</b>	<b>15</b>	

#### 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	
	<b>Total Credit Hours</b>	<b>15</b>	

### FOURTH YEAR

#### Seventh Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
<b>1<sup>st</sup> 8 Weeks:</b>			
SEED 440 Classroom Management	Admitted to Teacher Ed.	2	F/S
Elective	Recommend EDFN 365 + Advisor Suggestions	8	
<b>2<sup>nd</sup> 8 Weeks:</b>			
SEED 450 Reading & Content Literacy	Admitted to Teacher Ed.	3	F/S/SU
SEED 488 Student Teaching	Admitted to Teacher Ed.	2	F/S
	<b>Total Credit Hours</b>	<b>15</b>	

#### Eighth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
<b>1<sup>st</sup> 8 Weeks:</b>			
EDFN 475 Human Relations	Admitted to Teacher Ed.	3	F/S/SU
SEED 401 Methods of Ed Technology	Admitted to Teacher Ed.	1	F/S
<b>2<sup>nd</sup> 8 Weeks:</b>			
SEED 488 Student Teaching	Admitted to Teacher Ed.	6	F/S
	<b>Total Credit Hours</b>	<b>10</b>	

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