



Plan of Study

Biology

with Biology Education Specialization

Catalog Year: 2022 – 2023

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
*Biology Core (21 credits)			
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
Total Credit Hours		16	

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
SPED 100-Intro to Persons with Exceptionalities		3	F/S/SU
Total Credit Hours		16	

SECOND YEAR

Third Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
*BIOL 280 Inquiry and Analysis in Biology & Lab	BIOL 151 or BIOL 153	2	F
*BIOL 331 Microbiology & Lab	BIOL 151	4	F
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
Written Communication Requirement	ENGL 201 Recommended	3	F/S/SU
Total Credit Hours		16	

Fourth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
*BIOL 221 Human Anatomy & Lab	BIOL 151 and Lab	4	S
BIOL Elective		4	
EPSY 302 Lifespan Development	College of Education Requirement	3	F/S/ SU
SEED 295 Practicum: Pre-Admission	College of Education Requirement	1	F/S
CHEM 114 General Chemistry II & Lab	CHEM 112; Math 114, 115, 129, 121, 123, 125, or 281	4	S

Course	Prerequisites / Comments	Credits	Semester(s) Offered
	Total Credit Hours	16	

THIRD YEAR

Fifth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
*BIOL 311 Principles of Ecology & Lab	BIOL 151 & Lab; or BIOL 153 & Lab	4	F Odd Years
BIOL 325 Physiology & Lab	BIOL 221 or 323	4	
CIS 350 Computer Hardware		3	
Arts & Humanities Requirement		3	
SEED 302 Sec & Middle Level Content Major	Admitted to Teacher Ed.	2	F
	Total Credit Hours	16	

Sixth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
BIOL 303 Intro to Biological Instrumentation	BIOL 151 & Lab; and CSC 105	3	S
*BIOL 371 Genetics	BIOL 101 & Lab; or BIOL 151 & Lab	4	S
BIOL Elective		4	
Arts & Humanities Requirement		3	
*BIOL 498 Undergraduate Research	Consent of the Instructor	2	
	Total Credit Hours	16	

FOURTH YEAR

Seventh Semester

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

Eighth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
1st 8 Weeks:			
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
2nd 8 Weeks:			
SEED 488 Student Teaching	Admitted to Teacher Ed.	6	F/S
	Total Credit Hours	10	

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