

## Academic Program Sequence Map

**Program Degree Type and Name:** BS Biology Education Track

**Catalog Year:** 2024-2025

**Program Level:** Undergraduate

**Academic Term Type:** Semester

*\* Denote core course with an asterisk and (cc) next to the course number*

Year and Term: Year 1 Fall Term						Year and Term: Year 1 Spring Term																							
Credits Per Classification						Credits Per Classification																							
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice	Course Number & Title	CR	GE	Maj	OE	Milestone/Advice																		
MATH 116	3	X				CHEM 160: General Chemistry I	3	X			SM, GC																		
ENGL 111: Written ENGL and Lit Studies	3	X				CHEM 160A: General Chemistry I Lab	1	X			SM, GC, EL																		
ENGL 110 or Gen Ed	3	X				BIOL 160: General Bio I	3	X			SM, GC																		
CINQ 101: Critical Inquiry	3	X				BIOL 160A: General Bio I Lab	1		X		SM, GC, EL																		
BIOL 105 Pathways in Biology	3	X			CA	MATH 201	3	X																					
						ENGL 112 Written English II	3	X																					
<b>Term Credit Total:</b>	15	15				<b>Term Credit Total:</b>	14	13	1																				
Year and Term: Year 2 Fall Term						Year and Term: Year 2 Spring Term																							
Credits Per Classification						Credits Per Classification																							
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice	Course Number & Title	CR	GE	Maj	OE	Milestone/Advice																		
CHEM 161: General Chem II	3	X			SM, GC	BIOL 275: Cell Biology	4		X		EL																		
CHEM 161A: General Chem II Lab	1	X			SM, GC, EL	BIOL 226: Elements of Biochemistry	3		X																				
BIOL 161: General Bio II	3	X			SM, GC	BIOL 223: Intro to Sci Teaching	3		X		EL, CA																		
BIOL 161A: General Bio II Lab	1	X			SM, GC, EL	Gen Ed	6	X																					
Gen Ed	3	X																											
COMM 110: Oral Communication	3	X				<b>Term Credit Total:</b>	16	6	10																				
<b>Term Credit Total:</b>	14	14																											
Year and Term: Year 3 Fall Term						Year and Term: Year 3 Spring Term																							
Credits Per Classification						Credits Per Classification																							
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice	Course Number & Title	CR	GE	Maj	OE	Milestone/Advice																		
BIOL 244: Ecology	4		X		EL	BIOL 360: Genetics	4		X		EL																		
JRSM 301: Junior Seminar	3	X				Gen Ed	3	X																					
Gen Ed	3	X				Open Elective	3			X																			
PHYS 160: Physics for Life Sci	4		X		EL	CHEM 260: Organic Chem I	3		X																				
Open Elective	2			X		CHEM 260A: Organic Chem I Lab	1		X		EL																		
<b>Term credit total:</b>	16	6	8	2		<b>Term Credit Total:</b>	14	3	8	3																			
Year and Term: Year 4 Fall Term						Year and Term: Year 4 Spring Term																							
Credits Per Classification						Credits Per Classification																							
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice	Course Number & Title	CR	GE	Maj	OE	Milestone/Advice																		
Major Elect 1 (BIOL 366 or BIOL 370)	3		X		EL	BIOL 455: Capstone in Bio Ed	3		X		EL																		
BIOL 355: Molecular Biology (cc)*	4		X		EL	Open Elective	3			X																			
Open Elective	3			X		Open Elective	3			X																			
Open Elective	3			X		Open Elective	3			X																			
Gen Ed	3	X				Major Elective 2	3		X																				
<b>Term Credit Total:</b>	16	3	7	6		<b>Term Credit Total:</b>	15		6	9																			
Program Totals						Credits: 120						General Ed: 60						Major/Major Electives: 40						Open Elective: 20					

Legend: CR: Credits GE: General Education Maj: Major / Major Elective OE: Open Elective GC: Gateway Course CA: Career Activity ELC: Experiential Learning Course