

Academic Program Sequence Map

Program Degree Type and Name: BS Biology Education Track

Catalog Year: 2025-2026

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: College Algebra or higher math (depending on placement)	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
BIOL 105: Pathways in Biology	3	x			CA	BIOL 161: General Bio II	3	x			SM, GC
BIOL 160: General Bio I	3	x			SM, GC	BIOL 161A: General Bio II Lab	1	x			SM, GC, EL
BIOL 160A: General Bio I Lab	1		x		SM, GC, EL	Math 201 PreCalculus (or gen ed if completed as incoming math)	3	X			
CINQ 101: Critical Inquiry	3	x				ENGL 112 Written English II	3	X			
Term Credit Total:		16	15	1		Term Credit Total:		14	14		
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 360: Genetics	4		X		EL
CHEM 161A: General Chem II Lab	1	X			SM, GC, EL	BIOL 370: Research in Biology	3		x		EL (WBE if employer collaboration?)
BIOL 275: Cell Biology	4		x		EL	BIOL 223: Intro to Sci Teaching or EDUC 220: Insr thru inquiry	3		X		EL, CA
CISC 120: Intro to Computers	3	X				Gen Ed	3	X			
COMM 110: Oral Communication	3	X				Gen Ed	3	X			
Term Credit Total:		14	10	4		Term Credit Total:		16	6	10	
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 226: El. of Biochem or BIOL 227 Evolution or BIOL 230 Animal Behavi	3		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 (eg medical terminology)	2			X		CHEM 260A: Organic Chem I Lab	1		X		EL
Term credit total:		16	6	8	2	Term Credit Total:		13	3	7	3
Year and Term: Year 3 Summer Term						Year and Term: Year 4 Spring Term					
		Credits Per Classification						Credits Per Classification			
WBE (0 credits) - if not completed earlier		0			WBE	Course Number & Title	CR	GE	Maj	OE	Milestone/Advice
Year and Term: Year 4 Fall Term								Credits Per Classification			
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice	Course Number & Title	CR	GE	Maj	OE	Milestone/Advice
Major Elective	3		X		EL	BIOL 455: Capstone in Bio Ed or BIOL 460: Research Capstone in B	3		X		EL (WBE if employer collaboration?)
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				Gen Ed	3	x			
Term Credit Total:		16	3	7	6	Term Credit Total:		15	3	3	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 EL: Experiential Learning Course WBE: Work-Based Experience