

Academic Program Sequence Map

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

Catalog Year: 2026-2027

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					
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) - QR Gen Ed	3	x				CHEM 160: General Chemistry I (Liberal Arts)	3		X		SM, GC
ENGL 111: Written Engl and Lit Studies - (Comp I Gen Ed)	3	x				CHEM 160A: General Chemistry I Lab (Liberal Arts)	1		X		SM, GC, EL
BIOL 105: Pathways in Biology (Gen Ed - Scientific Reasoning) or ENGL 110 (if needed), if ENG 110, move BIOL 105 to 2nd sem and Math 201 to 3rd semester	3	x			CA	BIOL 161: General Bio II (Liberal Arts)	3		x		SM, GC
BIOL 160: General Bio I (Liberal Arts)	3		x		SM, GC	BIOL 161A: General Bio II Lab (Liberal Arts)	1		x		SM, GC, EL
BIOL 160A: General Bio I Lab (Liberal Arts)	1		x		SM, GC, EL	Math 201 PreCalculus (or gen ed if completed as incoming math)	3		X		
First Year Seminar (Gen Ed)	3	x				ENGL 112: Written Engl and Lit Studies II (Comp II Gen Ed)	3	X			
Term Credit Total:	16	12	4			Term Credit Total:	14	3	11		
Year and Term: Year 2 Fall Term						Year and Term: Year 2 Spring Term					
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice	Course Number & Title	CR	GE	Maj	OE	Milestone/Advice
CHEM 161: General Chem II (Liberal Arts)	3		X		SM, GC	BIOL 360: Genetics (Liberal Arts)	4		X		EL
CHEM 161A: General Chem II Lab (Liberal Arts)	1		X		SM, GC, EL	BIOL 370: Research in Biology (Liberal Arts)	3		x		EL (WBE if employer collaboration?)
BIOL 275: Cell Biology (Liberal Arts)	4		x		EL	BIOL 223: Intro to Sci Teaching or EDUC 220: Insr thru inquiry	3		X		EL, CA
Mercy Seminar II (Gen Ed)	3	X				Mercy Seminar III (Gen Ed)	3	X			
Gen Ed (Self and Society)	3	X				Gen Ed (Ethical Reasoning)	3	X			
Term Credit Total:	14	6	8			Term Credit Total:	16	6	10		
Year and Term: Year 3 Fall Term						Year and Term: Year 3 Spring Term					
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice	Course Number & Title	CR	GE	Maj	OE	Milestone/Advice
BIOL 244: Ecology (Liberal Arts)	4		X		EL	BIOL 220 Environmental Biology or BIOL 226 Elements of Biochem or BIOL 227 Evolution or BIOL 230 Animal Behavior (Liberal Arts)	3		X		EL
Gen Ed (Humanities)	3	X				Gen Ed (Language I) or elective if not needed	3	X			
Gen Ed (Creative Expression)	3	X				Open Elective	3			X	
PHYS 160: Physics for Life Sci (Liberal Arts)	4		X		EL	CHEM 260: Organic Chem I (Liberal Arts)	3		X		
Open Elective (eg medical terminology or CPR)	2			X		CHEM 260A: Organic Chem I Lab (Liberal Arts)	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					
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice	Course Number & Title	CR	GE	Maj	OE	Milestone/Advice
WBE (0 credits) - if not completed earlier	0				WBE	BIOL 455: Capstone in Bio Ed or BIOL 460: Research Capstone in Bio Ed	3		X		EL (WBE if employer collaboration?)
Year and Term: Year 4 Fall Term						Open Elective	3			X	
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice	Open Elective	3			X	
Major Elective (Liberal Arts)	3		X		EL	Open Elective	3			X	
BIOL 355: Molecular Biology (cc)* (Liberal Arts)	4		X		EL	Elective (gen ed or open elective, depending on earlier ENGL 110 needs)	3	x			
Open Elective	3			X		Term Credit Total:	15	3	3	9	
Open Elective	3			X							
Gen Ed (Language II) or elective if not needed	3	X									
Term Credit Total:	16	3	7	6							
Program Totals		Credits: 120		General Ed: 42		Major/Major Electives: 58				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