

Academic Program Sequence Map

Program Degree Type and Name: **BS Biology General Track**
Program Level: Undergraduate Academic Term Type: Semester

Catalog Year: 2026-2027

* Denote core course with an asterisk and (cc) next to the course number										
Year and Term: Year 1 Fall Term						Credits Per Classification				
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice					
Math 116: College Algebra or higher math (depending on placement) - QR Gen Ed	3	x								
ENGL 111: Written Engl and Lit Studies - (Comp I Gen Ed)	3	x								
BIOL 105: Pathways in Biology (Gen Ed - Scientific Reasoning) or ENGL 110 (if needed), if ENG 110, move BIOL 105 to 2nd sem and GE Self and Society to 3rd semester	3	x			CA					
BIOL 160: General Bio I (Liberal Arts)	3	x			SM, GC					
BIOL 160A: General Bio I Lab (Liberal Arts)	1	x			SM, GC, EL					
First Year Seminar (Gen Ed)	3	x								
Term Credit Total:	16	16								
Year and Term: Year 2 Fall Term						Credits Per Classification				
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice					
CHEM 161: General Chem II (Liberal Arts)	3		x		SM, GC					
CHEM 161A: General Chem II Lab (Liberal Arts)	1		x		SM, GC, EL					
BIOL 275: Cell Biology (Liberal Arts)	4		x		EL					
MATH 122 (Stats) or PSYN 370 (Behavioral stats) - or can fill QR Gen Ed if student does not need Math 116 (Liberal Arts)	3		X							
Mercy Seminar II (Gen Ed)	3	x								
Term Credit Total:	14	3	11							
Year and Term: Year 3 Fall Term						Credits Per Classification				
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice					
Ethical Reasoning Gen Ed	3	X								
CHEM 261: Organic Chem II (Liberal Arts)	3		X							
CHEM 261: Organic Chem II Lab (Liberal Arts)	1		X		EL					
Mercy Seminar III (Gen Ed)	3	X								
One course from Ecology, Behavior and Evolution (BIOL 220, 227, 230, 244, 252) (Liberal Arts)	4		X							
Term credit total:	14	6	8							
Year and Term: Year 3 Summer Term						Credits Per Classification				
WBE (0 credits) - if not completed earlier	0				WBE					
Year and Term: Year 4 Fall Term						Credits Per Classification				
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice					
BIOL 355: Molecular Biology of the Cell *(cc) (Liberal arts)	4		X		EL					
Major Elective 2 (Liberal arts)	3		X							
Gen Ed (Language I) or elective if not needed	3	X								
Elective (gen ed or open elective, depending on earlier ENGL 110 needs)	3	X								
Open Elective	3			3						
Term Credit Total:	16	6	7	3						
Program Totals						Credits: 120 General Ed: 42				
Legend: CR: Credits GE: General Education Maj: Major / Major Elective OE: Open Elective GC: Gateway Course CA: Career Activity						ELC: Experiential Learning Course WBE: Work-Based Experience				
Year and Term: Year 1 Spring Term						Credits Per Classification				
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice					
CHEM 160: General Chemistry I (Liberal Arts)	3		x		SM, GC					
CHEM 160A: General Chemistry I Lab (Liberal Arts)	1		x		SM, GC, EL					
BIOL 161: General Bio II (Liberal Arts)	3		x		SM, GC					
BIOL 161A: General Bio II Lab (Liberal Arts)	1		x		SM, GC, EL					
Gen Ed Self and Society - PSYN 101 if student will take PSYN 370 for stats requirement	3	x								
ENGL 112: Written Engl and Lit Studies II (Comp II Gen Ed)	3	x								
Term Credit Total:	14	6	8							
Year and Term: Year 2 Spring Term						Credits Per Classification				
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice					
BIOL 360: Genetics (Liberal Arts)	4		X		EL					
CHEM 260: Organic Chem I (Liberal Arts)	3		x							
CHEM 260A: Organic Chem I Lab (Liberal Arts)	1		x		EL					
Math 201 PreCalculus (or QR gen ed if completed as incoming math) (Liberal Arts)	3		x							
BIOL 370 Research in Biology I (Liberal Arts)	3		x		EL (WBE if employer collaboration?)					
Term Credit Total:	14	0	14							
Year and Term: Year 3 Spring Term						Credits Per Classification				
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice					
One from Organismal Biology (HLSC 285, BIOL 265/A, BIOL 309, BIOL 366,) (Liberal Arts)	4		X							
One from Cell/Molecular Sciences (CHEM 354, BIOL255, BIOL 310, BIOL 317, BIOL 424) (Liberal Arts)	3		X							
Major Elective 1 (Liberal Arts)	3		X							
Creative Expressions Gen Ed	3	X								
Humanities Gen Ed	3	x								
Term Credit Total:	16	6	10							
Year and Term: Year 4 Spring Term						Credits Per Classification				
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice					
Major Elective 3 (Liberal arts)	4		X							
BIOL 460: Research Capstone in Biology (Liberal Arts)	3		X		EL (WBE if employer collaboration?)					
Open Elective	3			X						
Open Elective	3			X						
Gen Ed (Language II) or elective if not needed	3	x								
Term Credit Total:	16	3	7	6						
Program Totals						Major/Major Electives: 69 Open Elective: 9				