

Academic Program Sequence Map

Program Degree Type and Name: **B.S Biology, Biomedical Sciences 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		Credits Per Classification								
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice					
Math 116: College Algebra or higher math (depending on placement)	3	x								
ENGL 111: Written Engl and Lit Studies	3	x								
BIOL 105: Pathways in Biology	3	x			CA					
BIOL 160: General Bio I	3	x			SM, GC					
BIOL 160A: General Bio I Lab	1		x		SM, GC, EL					
CINQ 101: Critical Inquiry	3	x								
Term Credit Total:	16	15	1							
Year and Term: Year 2 Fall Term		Credits Per Classification								
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice					
CHEM 161: General Chem II	3	x			SM, GC					
CHEM 161A: General Chem II Lab	1	x			SM, GC, EL					
BIOL 275: Cell Biology	4		x		EL					
PSYN 101: Intro to Psychology	3	x								
MATH 260: Calculus I	4		x							
Term Credit Total:	15	7	8							
Year and Term: Year 3 Fall Term		Credits Per Classification								
Course Number & Title	CR	GE	Maj	SM	Milestone/Advice					
Comm 110: Oral Communications	3	x								
CHEM 261: Organic Chem II	3		X							
CHEM 261: Organic Chem II Lab	1		X		EL					
JRSM 301: Junior Seminar	3	X								
PHYS 180: PHYS for Biol. Sci	4		x		EL					
Term credit total:	14	6	8							
Year and Term: Year 4 Fall 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)	4		X		EL					
Major Elective 2	3		X							
Gen Ed	6	X								
Open Elective	3			X						
Term Credit Total:	16	6	7	3						
Year and Term: Year 1 Spring Term		Credits Per Classification								
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice					
CHEM 160: General Chemistry I	3	X			SM, GC					
CHEM 160A: General Chemistry I Lab	1	x			SM, GC, EL					
BIOL 161: General Bio II	3	x			SM, GC					
BIOL 161A: General Bio II Lab	1	x			SM, GC, EL					
MATH 201: Precalculus (or gen ed if completed as incoming math)	3	x								
ENGL 112: Written Engl and Lit Studies II	3	x								
Term Credit Total:	14	14								
Year and Term: Year 2 Spring Term		Credits Per Classification								
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice					
BIOL 360: Genetics	4		X		EL					
CHEM 260: Organic Chem I	3		x							
CHEM 260A: Organic Chem I Lab	1		x		EL					
BIOL 370 Research in Biology I	3		X		EL (WBE if employer collaboration?)					
PSYN 370: Beh. Stats or Math 261 Calc II	3		x							
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					
CHEM 354: Biochemistry	4		X		EL					
Gen Ed	3	x								
CISC 120: Introduction to Computers	3	x								
PHYS 181: PHYS for Biol. Sci	4		x		EL					
Major Elective 1	2		x							
Term Credit Total:	16	6	10	0						
Year and Term: Year 4 Spring Term		Credits Per Classification								
Course Number & Title	CR	GE	Maj	OE	Milestone/Advice					
Gen Ed	6	X								
BIOL 460: Research Capstone	3		X		EL (WBE if employer collaboration?)					
BIOL 309 Human Physiology	3		X							
Open Elective	3			X						
Term Credit Total:	15	6	6	3						
Program Totals		Credits: 120		General Education: 60		Major & Major Elective: 54			Open Elective: 6	

Legend: CR: Credits GE: General Education Maj: Major / Major Elective OE: Open Elective SM: Success Marker Co/Prerequisite(s): List of co/ prerequisites for noted course GC: Gateway Course CA: Career Act