

Academic Program Sequence Map

Program Degree Type and Name: B.S Biology, Biomedical Sciences Track Catalog Year: 2021-2022

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					Year and Term: Year 1 Spring Term		Credits Per Classification				
Course Number & Title	CR	GE	Maj	OE	Co / Prerequisite(s)	Course Number & Title	CR	GE	Maj	OE	Co / Prerequisite(s)		
Math 116: College Algebra (if needed)	3	x				CHEM 160: General Chemistry I	3	X			Pre: MATH 116; Co: CHEM 160A/160R		
ENGL 111: Written Engl and Lit Studies	3	x				CHEM 160A: General Chemistry I Lab	1	x			Pre: MATH 116; Co: CHEM 160		
COMM 110: Oral communication	3	x				CHEM 160R: General Chem I Recitation	0				Co: CHEM 160		
BIOL 105: Pathways	3	x				BIOL 160: General Bio I	3	x			Pre: MATH 116; Co: BIOL 160A/160R		
CINQ 101: Critical Inquiry	3	x				BIOL 160A: General Bio I Lab	1		x		Pre: MATH 116; Co: BIOL 160		
						MATH 201: Precalculus	3	x					
						ENGL 112: Written Engl and Lit Studies II	3	x					
Term Credit Total:	15	15				Term Credit Total:	14	13	1				
Year and Term: Year 2 Fall Term		Credits Per Classification					Year and Term: Year 2 Spring Term		Credits Per Classification				
Course Number & Title	CR	GE	Maj	OE	Co / Prerequisite(s)	Course Number & Title	CR	GE	Maj	OE	Co / Prerequisite(s)		
CHEM 161: General Chem II	3	x			Pre: CHEM 160/160A; Co: CHEM 161A/160R	BIOL 275: Cell Biology	4		x		Pre: BIOL 160/160A; 161/161A; CHEM 160/160A; Pre or Co: CHEM 161, 161A (can be taken prior to or same semester as if necessary)		
CHEM 161A: General Chem II Lab	1	x			Pre: CHEM 160/160A; Co: CHEM 161	CHEM 260: Organic Chem I	3		x		Pre: CHEM 160/160A; 161/161A; Co: CHEM 260A/260R		
BIOL 161: General Bio II	3	x			Pre: BIOL 160/160A; Co: BIOL 161A	CHEM 260A: Organic Chem I Lab	1		x		Pre: CHEM 160/160A; 161/161A; Co: CHEM 260		
BIOL 161A: General Bio II Lab	1	x			Pre: BIOL 160/160A; Co: BIOL 161	CISC 120: Introduction to Computers	3	x					
PSYN 101: Intro to Psychology	3	x				PSYN 370: Stats for Social and Behavioral	3		x		Pre: PSYN 101		
MATH 260: Calculus I	4		x		Pre: MATH 201	Major Elective 1 (eg. HLSC 201)	2		x				
Term Credit Total:	15	11	4			Term Credit Total:	16	3	13				
Year and Term: Year 3 Fall Term		Credits Per Classification					Year and Term: Year 3 Spring Term		Credits Per Classification				
Course Number & Title	CR	GE	Maj	SM	Co / Prerequisite(s)	Course Number & Title	CR	GE	Maj	OE	Co / Prerequisite(s)		
BIOL 360: Genetics	4		X		Pre: BIOL 161/161A; CHEM 161/161A; BIOL 275 or BIOL 265/265A	CHEM 354: Biochemistry	4		X		Pre: BIOL 160/160A; 161/161A; CHEM 160/160A; 161/161A; 260/260A; 261/261A.		
CHEM 261: Organic Chem II	3		X		Pre: CHEM 260/260A; Co: CHEM 261A/261R	Open Elective	3			X			
CHEM 261: Organic Chem II Lab	1		X		Pre: CHEM 260/260A; Co: CHEM 261	Gen Ed	3	X			Pre: ENGL 112		
JRSM 301: Junior Seminar	3	X				PHYS 181: PHYS for Biol. Sci	4		x		Pre: MATH 260		
PHYS 180: PHYS for Biol. Sci	4		x		Pre or Co: MATH 260								
Term credit total:	15	3	12			Term Credit Total:	14	3	8	3			
Year and Term: Year 4 Fall Term		Credits Per Classification					Year and Term: Year 4 Spring Term		Credits Per Classification				
Course Number & Title	CR	GE	Maj	OE	Co / Prerequisite(s)	Course Number & Title	CR	GE	Maj	OE	Co / Prerequisite(s)		
BIOL 355: Molecular Biology of the Cell *(cc)	4		X		Pre: BIOL 360; CHEM 160/160A; CHEM 161/161A	Gen Ed	6	X					
BIOL 370	3		X			BIOL 460: Coordinating Seminar	3		X		15 upper level BIO &/or CHEM credits		
Gen Ed	6	X				BIOL 309	3		X		Pre: BIOL 160/A, BIOL 161/A; CHEM 160/160A; CHEM 161/161A		
Open Elective	3			X		Major Elective 2	3		X				
Term Credit Total:	16	3	9	3		Term Credit Total:	15	6	9				
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 (CC): indicates core course