Academic Program Sequence Map

Program Degree Type and Name: BS Biology Biology Education Track **Catalog Year: 2018-2019**

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			
Course Number & Title	CR	GE	Maj	OE
Math 116: College Algebra	3	X		
ENGL 111: Written English and Literature Studies	3	X		
ENGL 110 or Gen Ed	3	X		
CINQ 101: Critical Inquiry	3	X		
Gen Ed	3	X		
Term Credit Total:	15	15		

Year and Term: Year 1 Spring Term	Credits Per			
Course Number & Title	CR	GE	Maj	OE
CHEM 160: General Chemistry I	3	X		
CHEM 160A: General Chemistry I Lab	1	X		
CHEM 160R: General Chemistry I Recitation	0	X		
BIOL 160: General Biology I	3	X		
BIOL 160A: General Biology I Lab	1	X		
BIOL 160R: General Biology I Recitation	0	X		
BIOL 105: Pathways in Biology	2		X	
ENGL 112 Written English II	3	X		
SPCM 110: Oral Communication	3	X		
Term Credit Total:	16	14	2	

Year and Term: Year 2 Fall Term	Credits Per			
Course Number & Title	CR	GE	Maj	OE
CHEM 161: General Chem II	3	X		
CHEM 161A: General Chemistry II Lab	1	X		
CHEM 161R: General Chemistry II Recitation	0			
BIOL 161: General Biology II	3	X		
BIOL 161A: General Biology II Lab	1		X	
MATH 201: PreCalculus	3		x	
Gen Ed	3	X		
Term Credit Total:	14	10	4	

Year and Term: Year 2 Spring Term	Credits Per			
Course Number & Title	CR	GE	Maj	OE
BIOL 275: Cell Biology	4		X	
BIOL 226: Elements of Biochemistry	3		X	
BIOL 223: Intro to Science Teaching	3		X	
Gen Ed	3	X		
Gen Ed	3	X		
Term Credit Total:	16	6	10	

Year and Term: Year 3 Fall Term	Credits Per			
Course Number & Title	CR	GE	Maj	OE
BIOL 244: Ecology	4		X	
PHYS 160: Physics for Life Science	4		X	
JRSM 301: Junior Seminar	3	X		
Gen Ed	3	x		
Term credit total:	14	6	8	

Year and Term: Year 3 Spring Term	Credits Per			
Course Number & Title	CR	GE	Maj	OE
BIOL 360: Genetics	4		X	
Gen Ed	3	X		
Open Elective or *EDUC 506 (for students continuing to MS program)	3			X
CHEM 260: Organic Chemistry I	3		X	
CHEM 260A: Organic Chemistry I Lab	1		X	
CHEM 260R: Organic Chemistry I recitation	0			
Term Credit Total:	14	3	8	3

Year and Term: Year 4 Fall Term	Credits Per			
Course Number & Title	CR	GE	Maj	OE
Major Elective 1 (BIOL 366 or BIOL 370)	3		X	
BIOL 355: Molecular Biology	4		X	
Open Elective or *EDUC 502 (for students continuing to MS program)	3			X
Open Elective or *EDUC 505 (for students continuing to MS program)	3			X
Gen Ed	3	X		
Term Credit Total:	16	3	7	6

Year and Term: Year 4 Spring Term	Credits Per			
Course Number & Title	CR	GE	Maj	OE
BIOL 455: Capstone in Biology Education	3		X	
Open Elective or *EDUC 507 (for students continuing to MS program)	3			X
Open Elective or *EDUC 517 (for students continuing to MS program)	3			X
Major Elective 2	3		X	
Gen Ed	3	X		
Term Credit Total:	15	3	6	6

Program Totals	Credits: 120	General Ed: 60	Major/Major Electives: 45	Open Elective: 15

Legend: CR: Credits GE: General Education Maj: Major / Major Elective OE: Open Elective