

Academic Program Sequence Map

Program Degree Type and Name: <u>BS Biology Animal Science Track</u> Catalog Year: <u>2022-2023</u>

Program Level: Undergraduate Academic Term Type: Semester

* Denote core course with an asterisk and	(cc) next t	o the cours	e number	
Year and Term: Year 1 Fall Term	Credits Per Classification			
Course Number & Title	CR	GE	Maj	OE
Math 116: College Algebra	3	X		
ENGL 111: Written Engl and Lit Studies	3	X		
BIOL 105 Pathways in Biology	3	X		
CINQ 101: Critical Inquiry	3	X		
SPCM 110: Oral communication	3	X		
Term Credit Total:	15	15		
Year and Term: Year 2 Fall Term		Credits Per (Classification	
Course Number & Title	CR	GE	Maj	OE
CHEM 161: General Chem II	3	X		
CHEM 161A: General Chem II Lab	1	X		
VETC 101 Introduction to Veterinary Science	3		X	
MATH 201 Pre-Calculus	3		X	
BIOL 161: General Bio I	3	X		
BIOL 161A: General Bio I Lab	1	X		
Term Credit Total:	14	8	6	
Year and Term: Year 3 Fall Term	Credits Per Classification			
Course Number & Title	CR	GE	Maj	OE
VETC 300 Physiology of Domestic Animals	4		X	
VETC 300 Physiology of Domestic Animals CHEM 261: Organic Chem II	3		X	
CHEM 261: Organic Chem II	3	х	X	
CHEM 261: Organic Chem II CHEM 261: Organic Chem II Lab	3	X X	X	
CHEM 261: Organic Chem II CHEM 261: Organic Chem II Lab JRSM 301: Junior Seminar	3 1 3		X	
CHEM 261: Organic Chem II CHEM 261: Organic Chem II Lab JRSM 301: Junior Seminar BIOL 265: Microbiology Lecture	3 1 3 3		X X	
CHEM 261: Organic Chem II CHEM 261: Organic Chem II Lab JRSM 301: Junior Seminar BIOL 265: Microbiology Lecture BIOL 265A: Microbiology Lab	3 1 3 3	X 6	X X	
CHEM 261: Organic Chem II CHEM 261: Organic Chem II Lab JRSM 301: Junior Seminar BIOL 265: Microbiology Lecture BIOL 265A: Microbiology Lab Term credit total:	3 1 3 3	X 6	X X X	OE
CHEM 261: Organic Chem II CHEM 261: Organic Chem II Lab JRSM 301: Junior Seminar BIOL 265: Microbiology Lecture BIOL 265A: Microbiology Lab Term credit total: Year and Term: Year 4 Fall Term	3 1 3 3 1 15	X 6 Credits Per (X X X 9	OE
CHEM 261: Organic Chem II CHEM 261: Organic Chem II Lab JRSM 301: Junior Seminar BIOL 265: Microbiology Lecture BIOL 265A: Microbiology Lab Term credit total: Year and Term: Year 4 Fall Term Course Number & Title	3 1 3 3 1 15 CR	X 6 Credits Per (X X X 9 Classification Maj	OE
CHEM 261: Organic Chem II CHEM 261: Organic Chem II Lab JRSM 301: Junior Seminar BIOL 265: Microbiology Lecture BIOL 265A: Microbiology Lab Term credit total: Year and Term: Year 4 Fall Term Course Number & Title CHEM 354: Biochemistry	3 1 3 3 1 15 CR 4	X 6 Credits Per G	X X X 9 Classification Maj	OE
CHEM 261: Organic Chem II CHEM 261: Organic Chem II Lab JRSM 301: Junior Seminar BIOL 265: Microbiology Lecture BIOL 265A: Microbiology Lab Term credit total: Year and Term: Year 4 Fall Term Course Number & Title CHEM 354: Biochemistry Gen Ed (Arts)	3 1 3 3 1 15 CR 4 3	X 6 Credits Per G	X X X 9 Classification Maj X	OE
CHEM 261: Organic Chem II CHEM 261: Organic Chem II Lab JRSM 301: Junior Seminar BIOL 265: Microbiology Lecture BIOL 265A: Microbiology Lab Term credit total: Year and Term: Year 4 Fall Term Course Number & Title CHEM 354: Biochemistry Gen Ed (Arts) PHYS 180: Physics for Biomedical Sciences I	3 1 3 3 1 15 CR 4 3	X 6 Credits Per G	X X X 9 Classification Maj X	OE
CHEM 261: Organic Chem II CHEM 261: Organic Chem II Lab JRSM 301: Junior Seminar BIOL 265: Microbiology Lecture BIOL 265A: Microbiology Lab Term credit total: Year and Term: Year 4 Fall Term Course Number & Title CHEM 354: Biochemistry Gen Ed (Arts) PHYS 180: Physics for Biomedical Sciences I	3 1 3 3 1 15 CR 4 3	X 6 Credits Per G	X X X 9 Classification Maj X	OE
CHEM 261: Organic Chem II CHEM 261: Organic Chem II Lab JRSM 301: Junior Seminar BIOL 265: Microbiology Lecture BIOL 265A: Microbiology Lab Term credit total: Year and Term: Year 4 Fall Term Course Number & Title CHEM 354: Biochemistry Gen Ed (Arts) PHYS 180: Physics for Biomedical Sciences I VETC 320 Pharmacology and Toxicology	3 1 3 3 1 15 CR 4 3 4	GE	X X X 9 Classification Maj X X	OE

Year and Term: Year 1 Spring Term	rm: Year 1 Spring Term Credits Per Classification					
Course Number & Title	CR	GE	Maj	OE		
CHEM 160: General Chemistry I	3	X				
CHEM 160A: General Chemistry I Lab	1	X				
BIOL 160: General Bio I	3	X				
BIOL 160A: General Bio I Lab	1		X			
Gen Ed (History)	3	X				
ENGL 112: Written Engl and Lit Studies II	3	X				
Term Credit Total:	14	13	1			
Year and Term: Year 2 Spring Term		Credits Per (Classification			
Course Number & Title	CR	GE	Maj	OE		
BIOL 275: Cell Biology	4		X			
CHEM 260: Organic Chem I	3		X			
CHEM 260A: Organic Chem I Lab	1		X			
CISC 120 Intro to Computers	3	X				
VETC 256: Anatomy of Dom Animals Lecture	3		X			
VETC 256A: Anatomy of Domestic Animals Lab	1		X			
Term Credit Total:	15	3	12			
Year and Term: Year 3 Spring Term	Credits Per Classification					
Course Number & Title	CR	GE	Maj	OE		
BIOL 360: Genetics	4		X			
Gen Ed (Ethics and Religion)	3	X				
MATH 260: Calculus	4		X			
VETC 306A: Clinical Laboratory	1		X			
VETC 306: Clinical Laboratory Techniques	4		X			
Term Credit Total:	16		13			
	10	3	15			
Year and Term: Year 4 Spring Term	10	•	Classification			
Year and Term: Year 4 Spring Term Course Number & Title	CR	•	20	OE		
		Credits Per (Classification	OE		
Course Number & Title	CR	Credits Per (Classification Maj	OE		
Course Number & Title BIOL 460 Coordinating Seminar in Biology (cc)	CR 3	Credits Per (Maj	OE		
Course Number & Title BIOL 460 Coordinating Seminar in Biology (cc) PHYS 181: Physics for Biomedical Sciences II	CR 3 4	Credits Per (Maj	OE		
Course Number & Title BIOL 460 Coordinating Seminar in Biology (cc) PHYS 181: Physics for Biomedical Sciences II Gen Ed (Lit)	CR 3 4 3	Credits Per (Maj	OE		
Course Number & Title BIOL 460 Coordinating Seminar in Biology (cc) PHYS 181: Physics for Biomedical Sciences II Gen Ed (Lit) Gen Ed (Social Perspectives)	CR 3 4 3 3	Credits Per C	Maj	OE		
Course Number & Title BIOL 460 Coordinating Seminar in Biology (cc) PHYS 181: Physics for Biomedical Sciences II Gen Ed (Lit) Gen Ed (Social Perspectives) Gen Ed (Language)	CR 3 4 3 3 3 3	Credits Per C	Classification Maj X X	OE		
Course Number & Title BIOL 460 Coordinating Seminar in Biology (cc) PHYS 181: Physics for Biomedical Sciences II Gen Ed (Lit) Gen Ed (Social Perspectives) Gen Ed (Language)	CR 3 4 3 3 3 3	Credits Per C	Classification Maj X X 7	OE		

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