



VI. ANIMAL BIOTECHNOLOGY OPTION IN ANIMAL SCIENCE

Semester	Course	Title	Credits	Semester Total	
First	ANSC 1001	Introduction to Animal Science	3	15	
	CHEM 1127Q	General Chemistry	4		
	*ENGL 1010	Seminar in Academic Writing	4		
	or	*ENGL 1011	Seminar in Writing Through Literature		4
		MATH 1060Q	Pre-Calculus		3
		INTD 1800	First Year Experience/University Learning Skills		1
	or	INTD 1820	First Year Experience/Faculty/Student Seminar		1
Second	ANSC 1602	Behavior and Training of Domestic Animals	3	15	
	BIOL 1107	Principles of Biology I	4		
	CHEM 1128Q	General Chemistry	4		
	*ENGL 1010	Seminar in Academic Writing	4		
	or	*ENGL 1011	Seminar in Writing Through Literature		4
Third	ANSC 2111	Principles of Nutrition and Feeding of Animals	3	17	
	BIOL 1108	Principles of Biology II	4		
	CHEM 2241*	Organic Chemistry	3		
	CHEM 2242	Organic Chemistry Lab	1		
	MCB 2410	Human Genetics	3		
		Animal Science Group B/C Requirement	3		
	or		General Education Requirements		3
Fourth	ANSC 3122	Reproductive Physiology	3	16	
	COMM 1100	Principles of Public Speaking	3		
	MCB 2000*	Introduction to Biochemistry	4		
		Animal Science Group B/C Requirement	3		
	or		General Education Requirements		3
Fifth	ANSC 3121	Principles of Animal Genetics	3	15	
	ANSC 3323	Animal Embryology and Biotechnology	3		
	MCB 3412	Genetic Engineering and Functional Genomics	3		
	or		Animal Science Group B/C Requirement/ General Education Requirements		6
Sixth	ANSC 3194	Seminar	1	17	
	MCB 2610	Fundamentals of Microbiology	4		
	MCB 3414	Experiments in DNA Identification	3		
	STAT 1100QC	Elementary Concepts of Statistics	4		
		Animal Science Group B/C Requirement	3		
	or		General Education Requirements		3
Seventh	ANSC 2699	Independent Study (Research Project)	3	13	
	PVS 2100	Anatomy and Physiology of Animals	4		
		Elective	3		
		Animal Science Group B/C Requirement	3		
	or		General Education Requirements		3

Eighth	ANSC 2699	Independent Study (Research Project)	3	
		Electives	6	
		General Education Requirements	6	15

*NOTE: Students may elect to take the Chem 2443/2444/2445 organic chemistry series and MCB 3010 (5-credit Bio-chemistry course) instead of Chem 1241/2242 and MCB 2000 as listed here. Careful planning will be required to complete requirements for graduation within eight semesters.

*Students are required to take only one semester of ENGL 1010 or 1011