

Microbiology Option: Pre-Veterinary Track

Pre-Veterinary Curriculum

Freshman Year	Credits	
	Fall	Spring
BIOM 101 - Careers in Microbiology	1	
BIOB 170IN - Principles of Biological Diversity	4	
CHMY 141 - College Chemistry I & CHMY 142 - College Chemistry I Lab	4	
M 161Q - Survey of Calculus	4	
STAT 216Q - Introduction to Statistics	3	
ANSC 100 - Introduction to Animal Science		3
BIOB 160 - Principles of Living Systems or BIOB 260 - Cellular and Molecular Biology		4
CHMY 143 - College Chemistry II & CHMY 144 - College Chemistry II Lab		4
University Core and Electives		3
Year Total:	16	14
Sophomore Year	Credits	
	Fall	Spring
CHMY 211 - Elements of Organic Chemistry & CHMY 212 - Elements of Organic Chemistry Lab or CHMY 321 and CHMY 322 or CHMY 323 and CHMY 324	5	
University Core and Electives	10	
ANSC 265 - Anatomy and Physiology of Domestic Animals - Lecture		3
ANSC 266 - Anatomy and Physiology of Domestic Animals - Lab		1
BCH 380 - Biochemistry & BCH 381 - Biochemistry Lab		5
BIOM 360 - General Microbiology		5
University Core and Electives		1
Year Total:	15	15
Junior Year	Credits	
	Fall	Spring
BIOM 427 - General Parasitology	4	
PHSX 205 - College Physics I	4	
BIOM 475R - Prevetterinary Internship	3	
Restricted Upper Division Elective	3	
PHSX 207 - College Physics II		4
Choose one of the following:		3
ANSC 322 - Principles of Animal Breeding and Genetics		
BIOB 375 - General Genetics		
BIOM 410 - Microbial Genetics		
Restricted Upper Division Electives		9
Year Total:	14	16
Senior Year	Credits	
	Fall	Spring
BIOM 494 - Seminar/Workshop	1	
Core and Electives	14	

BIOM 450 - Microbial Physiology or BIOO 412 - Animal Physiology	3
BIOM 415 - Microbial Diversity, Ecology, and Evolution or BIOM 430 - Applied and Environmental Microbiology	3
Upper Division Science Electives, 9 credits*	9
Year Total:	15 15
Total Program Credits:	120

Restricted Upper Division Electives - 12 credits

BIOB 410	Immunology	3
BIOH 445	Introduction to Pharmacology	3
BIOM 400	Medical Microbiology	3
BIOM 405	Host-Associated Microbiomes	3
BIOM 425	Toxicology: Science of Poisons	3
BIOM 431	Medical Bacteriology	3
BIOM 432	Med Bacteriology Lab	2
BIOM 435	Virology	3

* The 9 credits in the Upper Division Science Elective block may be selected from any upper division science courses (in any department) which includes, but is not limited to, ANSC, BIOB, BIOH, BIOM, BIOO, EQU, IMID, WILD. This allows preveterinary students explore their unique interests in addition to the core preveterinary microbiology classes.