

Pre-Veterinary Medicine BS Four-Year Plan***

FALL	SPRING
First Year	
ANFS 101 - Animals, Science and Society	ANFS 240 - Functional Anatomy of Domestic Animals
ANFS 111 - Animal and Food Science Exploration	ANFS 102 – Food for Thought or ANFS 100 – Animals and Human Culture
CHEM 103 - General Chemistry and CHEM 133 - General Chemistry Laboratory	ENGL 110 - First-Year Writing
MATH 115 – Pre-Calculus or MATH 221 - Calculus I (See Note 1)	CHEM 104 - General Chemistry and CHEM 134 - General Chemistry Laboratory
Breadth and/or Multicultural Requirement (1/3)	Breadth and/or Multicultural Requirement (2/3)
First Year Seminar	
Credits: 15	Credits: 17
Second Year	
ANFS 345 - Introduction to Animal Physiology	BISC 208/218 – Introductory Biology II + Lab
AGRI 224 - One Health	ANFS 251 - Animal Nutrition
BISC 207/217 – Introductory Biology I + Lab	ANFS 252 - Animal Nutrition Applications
CHEM 321 - Organic Chemistry I	ANFS 265 - Perspectives in Career and Professional Development
CHEM 325 - Organic Chemistry Laboratory I	CHEM 322 - Organic Chemistry II
	CHEM 326 - Organic Chemistry Laboratory II
	STAT 200
Credits: 14	Credits: 16
Third Year	
ANFS 332 - Introduction to Animal Diseases	ANFS 300 - Principles of Animal and Plant Genetics

FALL	SPRING
ANFS 350 - Animal Behavior and Welfare	ANFS 310 - Animal and Plant Genetics Laboratory
BISC 300/310 – Introduction to Microbiology + Lab	ANFS 475 – Veterinary Biochemistry or CHEM 527 – Introductory Biochemistry
PHYS 201/221 – Introductory Physics I + Lab	ANFS elective course (1/2)
Breadth and/or Multicultural Requirement (3/3)	PHYS 202/222 – Introductory Physics II + Lab
Credits: 17	Credits: 14
Fourth Year	
	Second Writing Course (See Note 3)
ANFS Capstone/DLE Requirement* (See Note 2)	Free Elective (3/6)
COMM 212	Free Elective (4/6)
ANFS elective course (2/2_	Free Elective (5/6)
Free Elective (1/6)	Free Elective (6/6)
Free Elective (2/6)	
Credits: 16	Credits: 15
Total Credits: 124	

*See program page for approved courses.

**Students may not use P/F courses to satisfy this requirement.

***Students may not double major in Animal Biosciences and in Pre-Veterinary Medicine.

NOTE 1: Introductory chemistry and biology courses require MATH115 or higher for enrollment. Students in the Pre-veterinary Medicine major ultimately must complete MATH 221 (Calculus). Students whose Math Placement Test (MPT) scores require MATH 010: Intermediate Algebra will be placed into alternate first semester coursework.

NOTE 2: Students take a capstone course, which also fulfills the Discovery Learning Experience (DLE) requirement, in Year 3 or Year 4 based upon animal species or research focus of interest. Students can select one or more of the following Capstone Experience courses:

- ANFS 404 Dairy Production
- ANFS 411 Food Science Capstone
- ANFS 417 Beef Cattle and Sheep Production

- ANFS 418 Swine Production
- ANFS 421 & 422 Poultry Production/Laboratory
- ANFS 426 & 427 Equine Management/Experience
- ANFS 431 Precision Medicine and Systems Biology

NOTE 3: Students can take any course designated as a second writing course in the course search website or one of the departmental courses listed below:

- ANFS 449 – Food Biotechnology
- ANFS 450 – Applied Biomedical Communication
- ANFS 451 – Emergency Animal Management

Disclaimer: Four-Year Plans are a Departmental suggestion of how a student could complete this degree in four years (eight semesters). Students may opt to take courses in the summer or winter sessions. These plans do not take into account additional requirements brought on by minors or other majors. A Four-Year Plan is subject to change from year-to-year given the resources and focuses of the Department. It is the student's responsibility to meet with his or her assigned advisor at least once a semester to monitor progress and ensure that he or she is on track to graduate on time. This document is intended as a supplemental advisement tool to be used in conjunction with in-person advisement and the Degree Audit. Students should direct any questions or concerns regarding degree progress to their advisor or Academic Assistant Dean.