

ADVS Major, Bioveterinary Science Emphasis Plan

Courses required and recommended for meeting Bachelor of Science degree graduation requirements in the Bioveterinary Science Emphasis within the Animal, Dairy and Veterinary Sciences major are shown below.

This is a four-year program, preparing students for application and admittance to veterinary school or graduate school. In recent years, **nearly all students who have been accepted to veterinary school have had at least a 3.4 GPA.**

Advanced Standing Requirements

To attain Advanced Standing in Bioveterinary Science, students must have completed or must be currently registered for a minimum of 60 semester credits, and must have earned an overall GPA of at least 2.75 for all credits, including transfer credits, taken up to the time the petition for Advanced Standing is made.

Students' records will be checked when they reach a total of 60 semester credits. Those who do not meet advanced standing requirements will be notified to meet with their advisor.

Successful completion of a bachelor's degree program in the ADVS Department requires that a very close student-academic advisor relationship be established and continued through each student's bachelor's degree program. Each student must take the responsibility of establishing this close working relationship with his or her advisor. Doing this soon after a student's acceptance into the department can keep academic problems to a minimum.

Freshman Year

Fall Semester

ADVS 1110 Introduction to Animal Science.....	4
ADVS 1920 New Student Orientation	1
BIOL 1610 Biology I	4
MATH 1100 (QL) Calculus Techniques	3
University Studies Breadth Course.....	3

Spring Semester

BIOL 1620 (BLS) Biology II.....	4
ENGL 1010 (CL1) Introduction to Writing: Academic Prose	3
STAT 2000 (QI) Statistical Methods	3
Two University Studies Breadth Courses	6

Sophomore Year

Fall Semester

CHEM 1210 Principles of Chemistry I	4
CHEM 1215 Chemical Principles Laboratory I	1
ENGL 2010 (CL2) Intermediate Writing: Research Writing in a Persuasive Mode.....	3
PHYS 2110 General Physics—Life Sciences I.....	4
University Studies Breadth Course.....	3

Spring Semester

ADVS 2200 Anatomy and Physiology of Animals.....	4
CHEM 1220 (BPS) Principles of Chemistry II	4
CHEM 1225 Chemical Principles Laboratory II	1
PHYS 2120 (BPS) General Physics—Life Sciences II.....	4
University Studies Depth and Communications Intensive (CI) Course	3

Junior Year

Fall Semester

ADVS 3500 Animal Nutrition	4
BIOL 3060 (QI) Principles of Genetics	4
CHEM 2310 Organic Chemistry I	4
CHEM 2315 Organic Chemistry Laboratory I.....	1
University Studies Depth and Communications Intensive (CI) Course	3

Spring Semester

ADVS 3000 Animal Health and Hygiene	3
BIOL 3300 General Microbiology	4
CHEM 2320 Organic Chemistry II	4
CHEM 3700 Introductory Biochemistry	3

Senior Year

Students must complete at least 120 semester credits for the BS degree, of which at least 40 credits must be in upper-division courses. The student must complete two courses which are designated Communications Intensive (CI), and one course which is designated Quantitative Intensive (QI). Students must include at least 12 credits from the following list. An additional 15 elective credits are needed to complete the 120 credits required for graduation. Other upper-division life sciences courses may be applied to this requirement, if approved by the ADVS academic advisor.

ADVS 3520 (QI) Equine Nutrition (Sp).....	1
ADVS 4200 (CI) Physiology of Reproduction and Lactation (Sp)	4
ADVS 4560 (QI) Principles of Animal Genetics and Breeding (F).....	3
ADVS 5350 Introductory Pharmacology and Pharmacokinetics (Sp).....	3
ADVS 5400 Environmental Toxicology (Sp).....	3
ADVS 5690 Medical Histology (F).....	3
ADVS 5700 (CI) General Pathology (Sp).....	3
BIOL 5150 Immunology (Sp).....	3
BIOL 5210 Cell Biology (F)	3
BIOL 5230 Developmental Biology (Sp)	3
BIOL 5330 Virology (Sp)	3
BIOL 5620 Medical Physiology (F even).....	3