

Veterinary Medicine Pre-Professional Wildlife Track

Career Opportunities

Veterinary medicine is a versatile and vital profession with appeal for those interested in both animals and medicine. New horizons are constantly appearing. The increasing human population requires more and more food-producing animals which must be maintained disease free. Our increased interest in ecology finds veterinary medicine also uniquely qualified to serve other animals in man's environment, including zoo animals, pets and wild animals.

Veterinary medicine plays a vital role in research. More than 100 infectious diseases are transmissible between animals and man, while more than 250 diseases and abnormalities of man have counterparts in animals, including man's greatest killers - - cancer, heart disease and the infirmities of old age.

While approximately two-thirds of America's veterinarians are in private, general practice, the remaining one-third are involved in a wide variety of careers essential to the support of human health and welfare. These supporting roles are increasingly attractive to students interested in the veterinary medicine profession. Women are entering the profession in increasing numbers, and many opportunities are available for minority students interested in useful and rewarding career.

The College of Agriculture and Applied Sciences offers a three-year program which is basic to the degree of Veterinary Medicine (DVM); after completion of this program, students may apply for admission to The University of Tennessee College of Veterinary Medicine at Knoxville or other professional schools of veterinary medicine.

Courses Offered

The curriculum is designed to qualify students for admission to the College of Veterinary Medicine at UT Knoxville or veterinary college of their choice, subject to their residency requirements. Students who wish to enroll in the College of Veterinary Medicine at UT Knoxville or other veterinary college must:

- Complete the curriculum described in this leaflet.
- Successfully complete the Veterinary College Admission Test (VCAT).
- Successfully complete an interview with the veterinary college of their choice.

Students may complete their pre-professional requirements in one of the following ways:

- Complete (as a minimum) courses on the other side of this leaflet (3 years).
- Complete the courses in this leaflet and additional courses to satisfy a B.S. degree in natural resources management (wildlife biology). This requires a total of four years.
- Complete the courses in this leaflet; enroll in the College of Veterinary Medicine at UT Knoxville; and complete the fourth year of a B.S. degree in natural resources management (wildlife biology) at UT Martin while completing the first year of the veterinary medicine program at UT Knoxville. This way the first year at Knoxville counts toward two degree programs - - B.S. at UT Martin and DVM at UT Knoxville.

Facilities

A nearby 700-acre UT Martin Agricultural Field Teaching/Demonstration Complex is available for research, teaching, and demonstration. Modern agricultural laboratories and classrooms are located in Brehm Hall and the Ned R. McWherter Agricultural Complex. The student is taught to use the computer, and numerous computer facilities are available for the student's convenience. In some cases, field trips are made to nearby industries and farms to learn their operating procedures.

Program of Study: 3-Year Option

This list includes all courses required; however, the sequence may be flexible.

First Year

Fall

Agricultural Engineering Technology 220: Surveying and Soil and Water Engineering	3
Biology 130: Principles of Biology I.....	4
Chemistry 121: General Chemistry.....	4
English 111: English Composition.....	3
Math 140: College Algebra and Elementary Functions....	3

Total Hours.....17

Spring

Biology 140: Principles of Biology II	4
Chemistry 122: General Chemistry.....	4
English 112: English Composition.....	3
Soil Science 210: Introduction to Soil Science	4
Humanities Elective*	3

Total Hours.....18

Second Year

Fall

Chemistry 341: Organic General Chemistry	4
Physics 211: College Physics	4
Wildlife Biology 250: Principles of Wildlife Management ..	3
Zoology 319: Mammalogy or 320: Ichthyology or 321: Ornithology (spring only).....	3
Humanities Elective*	3

Total Hours.....17

Spring

Biology 331: Ecology	3
Chemistry 342: Organic General Chemistry	4
Communications 230: Public Speaking	3
Physics 212: College Physics	4
Social & Behavioral Sciences Elective*	3

Total Hours.....17

Third Year

Fall

Biochemistry 411: Cellular and Comparative Biochemistry	3
Biology 337 or 436: Cell Biology or Molecular Biology	3
Plant Science 341 or Natural Resources Management 410: Dendrology and Forest Ecology or Nonindustrial Private Forestry.....	3
Natural Resources Management 210: Mediating Environmental Conflict	3
Zoology 441, 442: Animal Ecology.....	4
Fine Arts Elective*	3

Total Hours.....19

Spring

Botany 303: Plant Taxonomy	3
Natural Resources Management 390: Career Planning ..	2
Biology 336: Introductory Genetics	3
Biochemistry 412: Cellular and Comparative Biochemistry	3
Humanities Elective*	3
Social & Behavioral Sciences Elective*	3

Total Hours.....17

*See catalog for options

Note: The following listed courses are suggested as electives to better prepare the student for the professional curricula of the colleges of veterinary medicine:

ANSC 119, 230, 260, 320, 330,350, 371, 372;
PLSC 422, 433;
MBIO 251,401; ZOOL 440,461

For Additional Information Contact:

Dr. Jerry Gresham, Chair
Department of Agriculture and Natural Resources
257 Brehm Hall
Martin, TN 38238
Phone: (731) 881-7262
E-mail: anrinfo@utm.edu

