
The University of Tennessee at Martin

Veterinary Medicine Pre-Professional Program 2005-2006

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 agriculture (animal science). 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 agriculture (animal science) 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.
- 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.

Facilities

A nearby 700-acre UT Agricultural Experiment Station and UTM Agricultural Field Teaching/Demonstration Complex is available for research, teaching, and demonstration. Modern agricultural laboratories and classrooms are located in Brehm Hall and the West Tennessee Agricultural Pavilion. 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: Pre-Veterinarian 3-Year Option

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

First Year

Fall

Biology 110: Introductory Cell Biology and Genetics . . .	4
Chemistry 121: General Chemistry	4
English 111: English Composition	3
Math 140: College Algebra and Elementary Functions	3
Animal Science 110: Introduction to Animal Science . .	3
Total Hours	17

Spring

Biology 120: Introductory Plant and Animal Biology . .	4
Chemistry 122: General Chemistry	4
English 112: English Composition	3
Math 160 or 210: Calculus for Business and Life Sciences or Elementary Statistics and Probability . . .	3
Agricultural Engineering Technology 110: Introduction to Agricultural Engineering	3
Total Hours	17

Second Year

Fall

Chemistry 341: Organic General Chemistry	4
Agricultural Economics 110: Introduction to Agricultural Business	3
Computer Science 201: Introduction to Computer Applications	3
Plant Science 110: Introductory Plant and Soil Science	3
Philosophy 160: Introduction to Ethics	3
Total Hours	16

Spring

Chemistry 342: Organic General Chemistry	4
Communications 230: Public Speaking	3
Soil Science 210: Introduction to Soil Science	4
Global Dynamics Elective*	3
Total Hours	14

Third Year

Fall

Agriculture 441: Interpretation of of Agricultural Research	3
Animal Science 340: Basic Animal Nutrition	3
Biochemistry 411: Cellular and Comparative Biochemistry	3
Physics 211: College Physics	4
Biology 337: Cell Biology	4
Aesthetics Elective*(Note 2)	3
Total Hours	20

Spring

Agriculture 390: Career Planning Agriculture	2
Animal Science 360 or Biology 336: Breeding and Improvement of Farm Animals and Poultry or Introductory Genetics (Note 3)	3
Biochemistry 412: Cellular and Comparative Biochemistry	3
Physics 212: College Physics	4
Social Dynamic Elective*(Note 2)	3
Total Hours	18

*See catalog for options.

Note 1: 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

Note 2: PHIL 430 suggested.

Note 3: Animal Science 360 required for Bachelor of Science degree in agriculture with an animal science concentration.

For More Information Contact

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