VETERINARY TECHNOLOGY

The veterinary technology program at North Dakota State University will prepare you for an exciting career in animal health care. As a veterinary technologist, you may choose to work in a veterinary practice, or your goals might lead you in other directions, such as technical research assistance, sales, veterinary practice management, or animal-related business management. Many potential career opportunities await you as an NDSU veterinary technology graduate.

The Program

Veterinary technology is a Bachelor of Science degree program within the Department of Animal Sciences. Departmental offices are located in Hultz Hall and Robinson Hall, on the west side of the main NDSU campus. Veterinarians and licensed veterinary technologists comprise the primary faculty and staff, with other animal health and animal sciences professionals also teaching in the program.

The first year of the program is a pre-professional course of study that allows students the opportunity to decide if they want to apply for the limited-enrollment professional portion of the program. Courses offered to first year students include Introduction to the Veterinary Profession, Anatomy and Physiology of Domestic Animals, and Medical Terminology for the Paraprofessional. If, for any reason, you do not continue into the professional portion of the program, the credits earned during the first year may be transferred into other majors.

The professional portion of the program, which starts in the fall of the second year, is selective. Students must submit a supplemental application by May 1 of their first year in order to be considered for admission into the professional program. Detailed application and selection information is provided during spring semester classes and is available at www.ndsu.edu/vettech.

Professional Program Selective Admission

All students wishing to continue on in the professional program must submit supplemental application materials. Transfer students are encouraged to contact the department early for information if they intend to transfer to NDSU and pursue veterinary technology. All students must have completed 12 credits at NDSU. In addition to the application form, students must submit official transcripts, an essay regarding the profession, verification of veterinary clinic observation hours, have completed VETS 115, and have taken a scholastic reading and writing exam. During the early summer, applications are evaluated and students are notified regarding program acceptance.

Professional Program

Topics in the professional portion of the program include veterinary nursing, clinical laboratory procedures, radiography, pharmacology, anesthesiology, hospital procedures, surgical nursing, and animal disease. Students work with a diverse group of animals, including cattle, sheep, pigs, horses, dogs, cats, birds, and exotics. In addition to lectures and demonstrations, students gain a great deal of practical experience. Professional program students participate in clinical practicums and, after successful completion of all the veterinary technology courses, enroll in a clinical externship. Most students complete their externship in a veterinary clinic, but students with particular interests have done their externships at facilities such as zoos, research laboratories, and animal rehabilitation facilities. Your entire academic career is planned to allow you to achieve your career goals and adapt to individual employment needs after you graduate. A minor in large animal veterinary technology, available only to veterinary technology majors, is available for students interested in careers working with livestock and/or horses.

Veterinary Technology Curriculum

With the guidance of your faculty advisor, you will formulate a course schedule that allows you to complete the veterinary technology program requirements. With the general elective courses necessary for graduation, you will be able to satisfy the requirements for a number of minor fields of study.

Scholarships

Veterinary technology students are eligible to apply for scholarships awarded through the College of Agriculture, Food Systems, and Natural Resources, and are also eligible for the LuAnn Lee Memorial Scholarship. Each year, students enrolled in the college receive more than $100,000 from the college scholarship program. Information about scholarships is available at www.ag.ndsu.edu/academics/scholarships or by contacting the Office of the Dean, College of Agriculture, Food Systems, and Natural Resources, NDSU, Dept 2200, PO Box 6050, Fargo, ND 58108-6050, 701-231-7656.

The Veterinary Technology Club

The Veterinary Technology Club is open to any student interested in veterinary technology. It provides a social setting for students with common career goals and an opportunity to become involved in professional and community activities. The club meets twice monthly during the school year. Information about the club is available from the veterinary technology academic advisors.

Veterinary Technology Plan of Study

Please note this is a sample plan of study and not an official curriculum. Actual student schedules for each semester will vary depending on start year, education goals, applicable transfer credit, and course availability. Students are encouraged to work with their academic advisor on a regular basis to review degree progress and customize an individual plan of study.

First Year

Fall	Credits	Spring	Credits
ANSC 114 Introduction to Animal Sciences	3	ANSC 223 Introduction to Animal Nutrition	2
MATH 104 Finite Mathematics	3	BIOL 111 Concepts of Biology	3
ENGL 110 College Composition I	4	COMM 110 Fundamentals of Public Speaking	3
VETS 101 Student Success Techniques: Veterinary Technology	1	CSCI 114 Microcomputer Packages	3
ANSC 218 Anatomy and Physiology of Domestic Animals	3	ENGL 120 College Composition II	3
ANSC 219 Anatomy and Physiology Laboratory	1	VETS 115 Medical Terminology for the Paraprofessional	1
	15		**15**

Second Year

Fall	Credits	Spring	Credits
ANSC 370 Fundamentals/Animal Disease	3	Gen Ed Humanities & Fine Arts	3
Gen Ed Humanities & Fine Arts	3	VETS 255 Veterinary Diagnostic Imaging	2
MICR 202 Introductory Microbiology	2	VETS 255L Veterinary Diagnostic Imaging Laboratory	1
MICR 202L Introductory Microbiology Lab	1	VETS 267 Veterinary Nursing II	2
VETS 249 Veterinary Hospital Information and Procedures	2	VETS 267L Veterinary Nursing Lab II	1
VETS 265 Veterinary Nursing I	2	VETS 296 Ward Care/Clinic Care	1
VETS 265L Veterinary Nursing Lab I	1	VETS 385 Veterinary Parasitology	2
VETS 296 Ward Care/Clinic Care	1	VETS 385L Veterinary Parasitology Lab	1
		VETS 455 Veterinary Applied Pharmacy Practices	1
	15		**14**

Third Year

Fall	Credits	Spring	Credits
Gen Ed Social & Behavioral Sciences	3	CHEM 117 Chemical Concepts and Applications	3
VET 296 Ward Care/Clinic Care	1	Gen Ed Social & Behavioral Sciences	3
VETS 369 Companion Small Mammal and Exotic Animal Health and Husbandry	2	VET 296 Ward Care/Clinic Care	1
VETS 386 Veterinary Clinical Pathology II	2	VETS 387 Veterinary Clinical Pathology III	2
VETS 386L Veterinary Hematology Lab	1	VETS 387L Veterinary Clinical Pathology Lab	1
VETS 457 Veterinary Pharmacology	2	VETS 461 Veterinary Surgical Nursing Techniques	2
VETS 460 Veterinary Anesthesiology	2	VETS 461L Veterinary Surgical Techniques Laboratory	1
VETS 460L Veterinary Anesthesiology Lab	1	VETS 482 Large Animal Techniques	2
Elective	3	VETS 483 Clinical Veterinary Practicum	1
	17		**16**

Fourth Year

Fall	Credits	Spring	Credits
Gen Ed Upper-Level Writing	3	ANSC 371 Fundamentals of Animal Disease II	3
VETS 485 Veterinary Technology Externship	6	Gen Ed Wellness	2
Electives	6	VETS 367 Principles of Companion Animal Dentistry	1
		VETS 367L Principles of Companion Animal Dentistry Lab	1
		Electives	6
	15		**13**

Total Credits: 120

View NDSU equivalencies of transfer courses at: www.ndsu.edu/transfer/equivalencies

For Further Information

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DEPT WEBSITE: www.ag.ndsu.edu/vettech/