

## MISSION STATEMENT

The mission of the VMTP is to provide the environment and resources for veterinary technology students to acquire the knowledge, skills, and behaviors that will prepare them for paraprofessional careers as veterinary technologists and to instill the desire for lifelong learning to enhance their careers.

## PROGRAM OBJECTIVES

The VMTP objectives are to provide students

- a curriculum that is current, relevant, and practical, delivered by a dedicated faculty and staff.
- hands-on training to develop entry-level technical skills
- a collaborative learning environment, with technology students and veterinary students working as a team in clinical rotations.
- the opportunity to develop an appreciation for other members of the health care team, including veterinarians, technicians, technologists, assistants, receptionists, and other team members.
- a foundation of knowledge that can be continually enhanced through lifelong learning.



## CONTINUING EDUCATION

One of the goals of the VMTP is to graduate entry-level veterinary technologists who will enter the veterinary work force as valued, contributing team members. Another goal is to instill the desire to become lifelong learners. Continuing education is essential to technologists who desire to continually enhance their abilities. Outstanding programs are available on local, state, regional and national levels to enhance personal and professional skills.

## PROFESSIONAL ORGANIZATIONS

The National Association of Veterinary Technicians in America offers continuing education, social, and employment-related activities to help members to grow professionally. Local, state, and national veterinary organizations are important parts of the veterinary technology framework.

## BECOMING CREDENTIALLED

States regulate the credentialing process of veterinary technicians and technologists. Passing the Veterinary Technician National Examination is a major component of the credentialing process. In some states, the State Board of Veterinary Medical Examiners may administer an additional exam.

## PROGRAM ACCREDITATION

The CVM has initiated the process that will lead to full accreditation through the Committee on Veterinary Technician Education and Activities (CVTEA) of the American Veterinary Medical Association. Our goal is to achieve full accreditation before graduating the first class in 2012.



Visit our Web site for additional information.  
[www.cvm.msstate.edu](http://www.cvm.msstate.edu)

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## M1312

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# Veterinary Medical TECHNOLOGY

Mississippi State University • College of Veterinary Medicine



## VETERINARY MEDICAL TECHNOLOGY: A 2+2 Curriculum

Years one and two: Prerequisite courses

Years three and four: Veterinary Technology courses



### PREREQUISITE COURSE COMPLETION

You may complete prerequisite courses at any accredited two- or four-year college. Admission to year three of the Veterinary Medical Technology Program (VMTP) is limited to 28 students. Those 28 students will be chosen according to the guidelines described below.

### STUDENTS ENROLLED IN PREREQUISITE COURSES

Students enrolled in prerequisite courses at MSU will have an academic advisor in the College of Veterinary Medicine (CVM). We encourage students on other campuses to establish communication with a CVM faculty advisor to assure timely progress toward application to year three.

### SUBMITTING AN APPLICATION FOR YEAR THREE

Applications for admission to year three of the VMTP are available online December 15 and must be submitted before March 1.

### SELECTION PROCESS FOR YEAR THREE

The selection process includes evaluation of your academic record, critique of your written application, review of three letters of reference, and an interview. The process ends in April. Successful applicants will begin classes the second summer session.

### ACADEMIC REQUIREMENTS

#### FOR APPLICATION TO YEAR THREE

- Completion of or currently enrolled in the prerequisite courses for application
- Overall GPA of 2.5
- No grade less than "C" in any prerequisite course
- Submission of application no later than March 1

### PREADMISSION TO YEAR THREE

Ten positions may be awarded each year to either high school seniors or college freshmen with no more than 18 completed college credits.

To apply, the high school senior must

- be admitted to Mississippi State University,
- have an ACT score of 21 (SAT 1500) or greater, and
- a high school average of 80 or greater.

To apply, the college student with no more than 18 completed college credits must

- meet the high school senior requirements,
- have a college GPA of 2.75 or greater,
- have no grade less than "C" in any pre-requisite course, and
- be accepted to MSU (if the applicant is not already an MSU student)

### CAREERS IN VETERINARY TECHNOLOGY

Veterinary technology career choices range from private veterinary practice to cutting-edge biomedical research. Here are some of the opportunities for the graduate:

Private veterinary practice	Zoo practice
Small animal	Wildlife medicine
Exotic and avian	Shelter medicine
Food animal	Pharmaceutical industry
Equine	Animal nutrition
Mixed species	Laboratory animal medicine
Emergency and critical care	Animal research
Public health	Biomedical research
Regulatory medicine	Education

If you wish, you can limit your professional activity to particular areas of interest. This way, you gain a greater level of expertise and efficiency in the chosen area.

Practice management is another area where veterinary technologists can apply their skills. Technologists who have significant organizational skills along with excellent people skills will find many opportunities in this area.

### SPECIALTIES

As the profession of veterinary technology grows, specialty fields are becoming more popular as career options. Today, the National Association of Veterinary Technicians in America recognizes specialties in the following areas:

Internal medicine	Equine nursing
• Small animal	Behavior
• Large animal	Emergency and critical care
• Cardiology	Dentistry
• Oncology	Anesthesia
• Neurology	Surgery
	Zoological medicine



### PRE-REQUISITE COURSES FOR APPLICATION TO YEAR THREE

English Composition I & II  
College Algebra  
Trigonometry  
Biology I & II  
Microbiology  
Survey of Chemistry I & II  
Investigations in Chemistry (Laboratory)  
Humanity (two courses)  
Social/Behavioral Science (two courses)  
Fine Arts (one course)

### YEAR THREE, SECOND SUMMER SESSION

Anatomy & Physiology  
Medical Vocabulary

### YEAR THREE, FALL SEMESTER

Small Animal Diseases & Management  
Small Animal Technical Skills & Nursing Care  
Food Animal Diseases & Management  
Food Animal Technical Skills & Nursing Care  
Equine Diseases & Management  
Equine Technical Skills & Nursing Care  
Pharmacology & Toxicology  
Parasitology  
Hematology & Immunology  
Clinical Pathology Laboratory Techniques I

### YEAR THREE, SPRING SEMESTER

Laboratory Animal Health Management  
Laboratory Animal Technical Skills  
Diagnostic Imaging  
Anesthesiology for Veterinary Technologists  
Surgical Skills & Nursing Care  
Surgical Nursing & Anesthetic Management Lab  
Clinical Pathology Laboratory Techniques II  
Anatomical Pathology Laboratory Techniques  
Practice Procedures & Professional Development

### YEAR FOUR, CLINICAL ROTATIONS (Beginning First Summer Session)

Equine  
Food Animal  
Large Animal Ambulatory  
Small Animal Medical  
Small Animal Surgery  
Small Animal Primary Care  
Small Animal Emergency & Critical Care  
Diagnostic Imaging  
Anesthesia  
Laboratory Animal  
Pharmacy  
Mississippi Research and Veterinary Diagnostic Laboratory  
Biomedical Research, University Medical Center  
Animal Emergency and Referral Center, Jackson