

# VETERINARY TECHNOLOGY (VET)

## VET 1002 | Veterinary Medical Terminology

Lecture Credit: 1

Introduces the student to the structure of veterinary medical terms with emphasis on using and combining the most common prefixes, roots and suffixes. Includes terms related to major body systems, oncology, psychiatry, as well as clinical laboratory and diagnostic procedures and imaging. Class structure provides accepted pronunciation of terms and relative use in the veterinary specific setting.

**Prerequisite:** Admission into the Veterinary Technology or Veterinary Technology Assistant program

## VET 1003 | Veterinary Assistant Restraint and Handling

Lecture/Lab Credit: 2

Introduces students to basic animal care skills and clinical procedures common to a veterinary assistant in practice. Laboratories provide practice in restraint, grooming and physical exam techniques.

## VET 1004 | Assistant Large Animal Nursing

Lecture/Lab Credit: 1

Presents commonly encountered medical and surgical conditions of common large animal species with emphasis on the role of the veterinary assistant. This course focuses on handling and specific skills necessary for the profession.

**Prerequisite:** Admission into the Veterinary Technology Assistant Program.

## VET 1008 | Introduction to Laboratory Procedures

Lecture Credit: 2 Lab Credit: 1

Studies the biology, clinical appearance and laboratory diagnosis of parasitic diseases of veterinary and zoonotic importance.

**Prerequisite:** BIO 1111 and ENG 1021 with a grade of C or better, and admission into the Veterinary Technology program

## VET 1009 | Applied Comprehension Animal Behavior

Lecture Credit: 3

Explores the topic of companion animal behavior through: critical reviews of behavioral literature and its implications for applied techniques in behavior, demonstrations of applied techniques for modifying animal behavior and the application of the principles of companion animal body posture and communication to everyday treatment of animals. Focuses on treatment of animals in veterinary practice, including improving handling techniques and safety.

## VET 1014 | Vet Assist Lab & Clinical Procedures

Lecture/Lab Credit: 3

Covers selected areas of common laboratory and diagnostic imaging procedures performed in a veterinary hospital. Emphasis is on assisting the veterinarian and/or veterinary technician with these procedures.

## VET 1015 | Surgical Nursing

Lecture Credit: 1 Lab Credit: 1

Provides the student with limited background in veterinary medicine, familiarity with instruments, surgical support equipment, and proficiency in the proper preparation of the operating room.

**Prerequisite:** VET 1008, VET 1016, and VET 2005 with a grade of C or better

## VET 1016 | Humane Treatment and Handling of Animals

Lecture/Lab Credit: 3

Focused upon animal welfare and humane treatment during handling and restraint, behavior, safety, equipment choice, and typical clinical procedures.

**Prerequisite:** Admission into the Veterinary Technology program

## VET 1017 | Veterinary Assistant Surgery and Nursing Care

Lecture/Lab Credit: 2

Introduces surgical assisting of the veterinarian and/or the veterinary technician, including basic knowledge of surgical instruments and surgery room hygiene. It also introduces basic nursing care of animal patients including safety concerns and nursing procedures.

**Prerequisite:** Admission into the Veterinary Technology Assistant Program

## VET 1020 | Office Procedures and Relations

Lecture Credit: 2

Presents common veterinary office procedures including administration, professional etiquette, client relations, career development and job searching skills. Enrichment of computer skills in relationship to current veterinary management software will be emphasized.

**Prerequisite:** Admission into the Veterinary Technology or Veterinary Assistant program

## VET 1034 | Diagnostic Imaging

Lecture Credit: 1 Lab Credit: 1

Covers selected areas of diagnostic imaging with an emphasis on radiology. Topics will include radiation properties, x-ray production, radiographic equipment, darkroom procedures, the radiographic image, animal positioning and radiation safety. An introduction to special imaging techniques such as computed tomography (CT scan) and ultrasound will also be included.

**Prerequisite:** VET 1008, VET 1016, VET 2005, and VET 2006 with a grade of C or better

**Corequisite:** VET 2080

## VET 1072 | First Year Clinical Rotation

Clinical Credit: 1

Examines basic animal care, examination, and handling skills essential for veterinary technicians including demonstrating an understanding of animal behavior, restraining cats and dogs in a safe and effective manner, performing thorough physical examinations on cats and dogs, obtaining accurate physiological data on cats and dogs, obtaining a complete patient history, performing a nail trim, administering vaccines and collecting a blood sample from a cat or dog.

**Corequisite:** VET 1082

## VET 1075 | Special Topics

Provides students with a vehicle to pursue in depth exploration of special topics of interest.

**Prerequisite:** This course may require prerequisites or permission of instructor

*Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.*

## VET 1082 | Internship

Internship Credit: 2

Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor.

**Prerequisite:** VET 1008, VET 1016, VET 1020, and VET 2005 with a grade of C or better

**Corequisite:** VET 1072

## VET 1083 | Internship

Internship Credit: 2

Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor.

**Prerequisite:** VET 1002, VET 1003, VET 1004, VET 1009, VET 1014, VET 1017, AND VET 1020 with a grade of C or better

**Corequisite:** VET 1002, VET 1003, VET 1004, VET 1009, VET 1014, VET 1017, AND VET 1020

*Note: The prerequisite courses can be taken either before or concurrently with VET 1083.*

**VET 1206 | Exotic Animal Handling**

Lecture/Lab Credit: 2

Designed to provide students knowledge and skills required for veterinary technicians. This course focuses on exotic animal husbandry, handling, restraint, and specific problems encountered with exotic animals.

**Prerequisite:** VET 1008, VET 1016, and VET 2005 with a grade of C or better

**VET 1241 | Clinical Laboratory Procedures**

Lecture Credit: 3 Lecture/Lab Credit: 1

Discusses the biochemical derangements that characterize disease. Topics include proper collection and analysis of urine, blood, and cytological samples; basic principles of anatomic pathology; necropsy procedure and sample collection.

**Prerequisite:** VET 2023, VET 2024, VET 1072, and VET 1082 with a grade of C or better

**VET 2005 | Veterinary Anatomy and Physiology I**

Lecture Credit: 3 Lab Credit: 1

Provides background in the anatomy and physiology of animals. The class covers the structure and function of each body system, including skeletal, muscular, circulatory, integumentary, and respiratory. Other subjects include principles of metabolism and unique characteristics of common domestic species. Applied laboratory experiences are included.

**Prerequisite:** BIO 1111 and ENG 1021 with a grade of C or better, and admission into the Veterinary Technology program

**VET 2006 | Veterinary Anatomy and Physiology II**

Lecture Credit: 3 Lab Credit: 1

Provides additional detail in anatomy and physiology of companion and farm animal species. The class covers interrelationships between body systems, such as respiratory, cardiovascular, urogenital, and reproductive. Additional topics include metabolism and digestion, acid/base balance, neuroendocrinology, and reproductive endocrinology. Applied laboratory experiences are included.

**Prerequisite:** VET 1008, VET 1016, and VET 2005 with a grade of C or better

**VET 2023 | Introduction to Anesthesia**

Lecture/Lab Credit: 1

Examines basic principles in veterinary anesthesiology; including the role of the veterinary technician anesthetist, important concepts relating to various types of anesthesia, preparation of anesthetic equipment and machines, pre-operative patient management, and recording information during anesthesia.

**Prerequisite:** VET 2005, VET 1008, and VET 1016 with a grade of C or better

**VET 2024 | Pharmacology for Veterinary Technicians**

Lecture/Lab Credit: 3

Provides background in pharmacology principles including topics such as: mechanism of drug action, types of drugs, anesthetic agents, pharmacy management and calculations related to drug dosages.

**Prerequisite:** VET 1008, VET 1016, VET 1020, and VET 2005 with a grade of C or better

**VET 2025 | Anesthesiology**

Lecture Credit: 2 Lab Credit: 1

Covers appropriate forms of injectable and gaseous anesthesia for surgical and diagnostic procedures. Other topics include anesthesia monitoring, emergency procedures, and control of post-surgical pain.

**Prerequisite:** VET 1008, VET 1015, VET 1016, VET 1020, VET 1082, VET 2005, VET 2006, VET 2023, and VET 2024 with a grade of C or better

**VET 2027 | Animal Nutrition**

Lecture Credit: 2

Gives students a foundation in the principles of animal nutrition. The course focuses on the basic elements of nutrition including the major categories of nutrients, and their sources, digestion, and metabolism. Both large and small animal feeds and feeding will be covered. The course emphasizes the relationship between nutrition and health.

**Prerequisite:** VET 2005 and VET 2006 with a grade of C or better

**VET 2032 | Veterinary Dentistry**

Lecture Credit: 1

Examines essentials in veterinary dentistry as it concerns the veterinary technician; including dental morphology, performing a dental exam, identifying common dental problems, equipment used to perform a professional dental cleaning, the proper steps to perform a dental cleaning, and the role of a veterinary technician in client education and preventative home care.

**Corequisite:** VET 2038

**VET 2038 | Small Animal Nursing**

Lecture Credit: 1 Lab Credit: 1

Presents commonly encountered medical and surgical conditions of the dog and cat with emphasis on the role of the veterinary technician. This course focuses on nursing concepts and specific skills necessary for the profession. Laboratory sessions will provide a hands-on teaching experience.

**Prerequisite:** VET 2025, VET 2027, VET 1241, and VET 2081 with a grade of C or better

**Corequisite:** VET 2032

**VET 2039 | Large Animal Nursing**

Lecture Credit: 1 Lab Credit: 1

Presents commonly encountered medical and surgical conditions of common large animal species with emphasis on the role of the veterinary technician. This course focuses on nursing concepts and specific skills necessary for the profession. Laboratory sessions will provide a hands-on teaching experience.

**Prerequisite:** VET 2025, VET 2027, VET 1241, and VET 2081 with a grade of C or better

**VET 2042 | Veterinary Critical Care**

Lecture Credit: 2

Provides instruction in appropriate nursing assessment, monitoring and intervention with emergencies. Uses knowledge and understanding of overall anatomy, physiology, and disease or accident process to assist in veterinarian's diagnoses and treatment.

**Prerequisite:** VET 2025, VET 1241, and VET 2081 with a grade of C or better

**VET 2043 | Veterinary Diagnostic Microbiology**

Lecture Credit: 2 Lab Credit: 1

Includes the biology, clinical appearance and laboratory diagnosis of bacterial and viral diseases of veterinary and zoonotic importance.

**Prerequisite:** VET 2005 and VET 2006 with a grade of C or better

**VET 2050 | Clinical Competency Evaluation**

Lecture Credit: 1

Evaluates the students' clinical skills and knowledge after successful completion of the internship courses, in order to prepare them for the national board examination and clinical practice. Evaluation of clinical skills and knowledge includes selected clinical laboratory techniques (parasitology, hematology, urinalysis, cytology, chemistry, serology, microbiology); diagnostic imaging; office procedures; surgical preparation, instrumentation and assistance; anesthesia induction, maintenance and monitoring; restraint and handling techniques; small, large and laboratory animal diagnostic and therapeutic techniques; and pharmacology calculations, labeling and drug classification.

**Prerequisite:** VET 1008, VET 1015, VET 1016, VET 1020, VET 1034, VET 1082, VET 2080, VET 2005, VET 2006, VET 2024, VET 2025, VET 2027, VET 1241, VET 2081 with a grade of C or better

**VET 2080 | Diagnostic Imaging Internship**

Lecture Credit: 1

Focuses on use of radiographic equipment, positioning of animals for radiographs, developing a technique chart and radiographic film. This is a 1 credit class which requires 45 contact hours in a private practice or research related facility.

**Prerequisite:** VET 1016, VET 2005, and VET 2006 with a grade of C or better

**Corequisite:** VET 1034

**VET 2081 | Internship II**

Internship Credit: 3

Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor.

**Prerequisite:** VET 1082 with a grade of C or better

**VET 2082 | Internship III**

Internship Credit: 4

Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor.

**Prerequisite:** VET 2081, VET 2025, and VET 1241 with a grade of C or better