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 102 | 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 103 | Veterinary Assistant Restraint and Handling
Lecture 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.

Prerequisite: Grade of C or better in CCR 092, ENG 060 and REA 060, or equivalent English and Writing assessment score placements; and a Grade of C or better in MAT 030 or equivalent Math assessment score placement; and admission into the Veterinary Assistant program

Corequisite: VET 113, VET 114, and VET 120

VET 104 | Veterinary Assistant Medical Terminology
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.

Prerequisite: Grade of C or better in CCR 092, ENG 060 and REA 060, or equivalent English and Writing assessment score placements; and a Grade of C or better in MAT 030 or equivalent Math assessment score placement; and admission into the Veterinary Assistant program

Corequisite: VET 113, VET 114, and VET 120

VET 106 | 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: BIO 111 and ENG 121 with a grade of C or better, and admission into the Veterinary Technology program

VET 107 | Veterinary Assistant Restraint and Handling Laboratory
Laboratory Credit: 1
Introduces students to the techniques of restraint, anatomy, and physiology of cats and dogs, and their application to veterinary assistent procedures.

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

VET 108 | Introduction to Laboratory Procedures
Lecture/Lab Credit: 3
Studies the biology, clinical appearance and laboratory diagnosis of parasitic diseases of veterinary and zoonotic importance.

Prerequisite: BIO 111 and ENG 121 with a grade of C or better, and admission into the Veterinary Technology program

VET 109 | 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 175 | Special Topics
Lecture Credit: 1-12
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

VET 182 | 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 108, VET 116, VET 120, and VET 205 with a grade of C or better
Corequisite: VET 172

VET 183 | Internship
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 101, VET 103, VET 113, and VET 114 with a grade of C or better

VET 187 | Cooperative Education: Diagnostic Imaging
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 116, VET 205, and VET 206 with a grade of C or better
Corequisite: VET 134

VET 205 | Veterinary Anatomy and Physiology I
Lecture/Lab Credit: 4
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 111 and ENG 121 with a grade of C or better, and admission into the Veterinary Technology program
Corequisite: VET 232

VET 206 | Veterinary Anatomy and Physiology II
Lecture/Lab Credit: 4
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 108, VET 116, and VET 205 with a grade of C or better

VET 223 | Introduction to Anesthesia
Lecture/Lab Credit: 1
Examines basic principles in veterinary anesthesia; 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 102, VET 108, VET 116, VET 120, and VET 205 with a grade of C or better
Corequisite: VET 106, VET 115, VET 181, VET 182, VET 206, and VET 224

VET 224 | 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 108, VET 116, VET 120, and VET 205 with a grade of C or better

VET 225 | Anesthesiology
Lecture/Lab Credit: 3
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 108, VET 115, VET 116, VET 120, VET 182, VET 205, VET 206, VET 223, and VET 224 with a grade of C or better

VET 227 | Animal Nutrition
Lecture Credit: 2
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: Anatomy and Physiology course or graduation from an AVMA accredited school

VET 240 | Veterinary Medicine and Surgery
Lecture/Lab Credit: 4
Presents commonly encountered medical and surgical conditions of the dog and cat with the emphasis on the role of the veterinary technician in the management of these entities. The course also includes special techniques laboratories in small animal medicine that provide a hands-on teaching experience in catherization, collection of bone marrow aspirates, and centesis.
Prerequisite: VET 108, VET 115, VET 116, VET 120, VET 134, VET 182, VET 187, VET 205, VET 206, VET 224, VET 225, VET 227, VET 241, and VET 281 with a grade of C or better
Corequisite: VET 232

VET 241 | Clinical Laboratory Procedures
Lecture/Lab Credit: 4
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 205 and VET 206 with a grade of C or better

VET 242 | 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 108, VET 115, VET 116, VET 120, VET 134, VET 182, VET 187, VET 205, VET 206, VET 224, VET 225, VET 227, VET 241, VET 281, and VET 240 with a grade of C or better, or VET 240 as a corequisite

VET 243 | Veterinary Diagnostic Microbiology
Lecture/Lab Credit: 3
Includes the biology, clinical appearance and laboratory diagnosis of bacterial and viral diseases of veterinary and zoonotic importance.
Prerequisite: VET 281, VET 225, VET 227, and VET 241 with a grade of C or better
VET 250 | 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 108, VET 115, VET 116, VET 120, VET 134, VET 182, VET 187, VET 205, VET 206, VET 224, VET 225, VET 227, VET 241, and VET 281 with a grade of C or better

VET 281 | 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 182 with a grade of C or better

VET 282 | 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 182, VET 281, and VET 225 with a grade of C or better, or VET 225 as a corequisite