VETERINARY TECHNOLOGY (VET)

VET 101 | Career Development Animals
Lecture Credit: 2
Assists the student in recognizing their career potential in the animal industry. It will supply the tools necessary to be competitive in the animal industry and provides students with the ability to make realistic decisions concerning education and occupational objectives.
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/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 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: Grade of C or better in VET 108, VET 116, and VET 205.

VET 108 | 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 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 the treatment of animals. Focuses on treatment of animals in veterinary practice, including improving handling techniques and safety.

VET 113 | Vet Assist Surgical & Nursing Care
Lecture/Lab Credit: 3
Introduces surgical assisting of the veterinarian and/or the veterinary technician, including basic knowledge of surgical instruments and surgery room hygiene. Also introduces basic nursing care of animal patients including safety concerns and nursing procedures.

VET 114 | 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 115 | 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 108, VET 116, and VET 205 with a grade of C or better

VET 116 | 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 120 | 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 134 | 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 108, VET 116, VET 205, and VET 206 with a grade of C or better
Corequisite: VET 280

VET 135 | Dental Anatomy
Lecture Credit: 1
Provides the student with knowledge of the anatomy of the head and upper body of animals. Includes an introduction to dental anatomy and terminology. Special emphasis is given to canine teeth.
Prerequisite: VET 108, VET 116, VET 205, and VET 206 with a grade of C or better
Corequisite: VET 280

VET 136 | Anatomy and Physiology of Domestic Animals
Lecture Credit: 1
Provides the student with the knowledge of the anatomy and physiology of domestic animals. Special emphasis is given to the normal anatomy and physiology of the dog and cat.
Prerequisite: VET 108, VET 116, VET 205, and VET 206 with a grade of C or better
Corequisite: VET 280

VET 172 | 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 182

VET 175 | Special Topics
Lecture Credit: 1
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: Grade of C or better in VET 101, VET 102, VET 113, VET 114, and VET 120
Corequisite: VET 101, VET 102, VET 113, VET 114, and VET 120.
Note: The prerequisite courses can be taken either before or concurrently with VET 183.

VET 205 | 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 111 and ENG 121 with a grade of C or better, and admission into the Veterinary Technology program

VET 206 | 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 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 anesthesiology; including the role of the veterinary technician anesthetist, important concepts relating to various types of anesthesia, preparation of anesthetic equipment and machines, preoperative patient management, and recording information during anesthesia.

VET 224 | Pharmacology for Veterinary Technicians
Lecture 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 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 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
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: Grade of C or better in VET 205 and VET 206

VET 238 | 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: Grade of C or better in VET 225, VET 227, VET 241, and VET 281
Corequisite: VET 232

VET 239 | Large Animal Nursing
Lecture/Lab Credit: 2
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: C or better in VET 225, VET 227, VET 241, and VET 281

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: Grade of C or better in VET 223, VET 224, VET 172, and VET 182

VET 243 | 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: Grade of C or better in VET 205 and VET 206

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: Grade of C or better in VET 225, VET 227, VET 241, and VET 281

VET 280 | 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 116, VET 205, and VET 206 with a grade of C or better
Corequisite: VET 134
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: Grade of C or better in VET 281, VET 225, and VET 241