

VETERINARY TECHNOLOGY (VTEC)

Course numbers with the # symbol included (e.g. #400) have not been taught in the last 3 years.

VTEC 424 - Introduction to Veterinary Technology

Credits: 2

An overview of the veterinary technology field. Topics in veterinary office practice management are covered, including, appointment scheduling, inventory control, financial transactions, client communication and regulatory, legal, and ethical aspects of veterinary practice. Other topics include veterinary technician and animal science career options, professional development and domestic animal management including breed identification, terminology, and husbandry.

VTEC 430 - Companion Animal Behavior and Handling Techniques

Credits: 4

Overview of the development, selection, genetics, and function of specific breeds of companion animals. Canine and feline handling and restraint skills will be demonstrated and practiced. General dog and cat, as well as breed-specific, behavior is included. Other companion animals such as parrots, rabbits, and pigs are reviewed as time allows.

Equivalent(s): AAS 430

VTEC 435 - Animal Health and Laboratory Diagnostics

Credits: 4

Covers the principles of maintaining animal health by preventing and managing disease via husbandry, immunization, and diagnostic testing. Focus is on domestic species; primarily dogs, cats, horses and cows. Topics include parasitology, microbiology, immunology, and clinical, gross and histopathology. Laboratory activities include fecal flotation, urinalysis, complete blood count and blood chemistry, bacterial culture and sensitivity testing, gram staining, serology, laboratory safety, and principles of sample collection and quality control. VTEC and AAS majors only.

Attributes: Biological Science(Discovery); Discovery Lab Course

VTEC 449 - Clinical Animal Nursing Techniques I

Credits: 4

Essential skills and knowledge for the care of small animals, focusing on companion animal species. Wellness protocols and basic nursing skills (medication administration, nail trimming, ear cleaning, anal gland expression, wound care, injections, phlebotomy, electrocardiogram, blood pressure measurement) will be discussed and practiced. VTEC majors only. Prereq: VTEC 430.

Equivalent(s): AAS 449

VTEC 497 - Veterinary Technology Work Experience

Credits: 0

Provides students supervised introductory hands-on experience in a veterinary medical facility. Students apply skills learned in animal handling and nursing, laboratory methods, client communication and practice management courses. Students are responsible for obtaining a position in an approved veterinary facility and need to complete a minimum of 80 hours of work to fulfill course requirements. Must have rabies vaccine series completed prior to the start of the semester. Open to veterinary technology students only. Prereq: AAS 449.

VTEC 550 - Clinical Animal Nursing Techniques II

Credits: 4

Builds on materials presented in VTEC 449, Clinical Animal Nursing Techniques I. Covers veterinary imaging modalities including radiographic and ultrasonographic techniques and safety; nursing care of hospitalized patients, dentistry, emergency, laboratory, and exotic animal medicine. VTEC majors only.

Equivalent(s): AAS 550

VTEC 565 - Pharmacology for Veterinary Technicians

Credits: 4

This course provides study in the area of veterinary medicines emphasizing classes and actions of drugs, calculating dosages, proper administration, and dispensing of drugs. Topics include general pharmacology, calculating dosages, pharmacy regulation guidelines and record keeping. Case-based learning is utilized to correlate common diseases in companion animals with associated pharmacological agents. Specifically, disease pathogenesis, diagnosis, and treatment options are discussed along with pertinent technician interventions and evaluations. Prereq: AAS 428.

Equivalent(s): VTEC 265

VTEC 575 - Veterinary Anesthesia and Surgical Assisting

Credits: 4

This course provides the theoretical knowledge and practical experience necessary to provide safe and effective anesthesia and analgesia to veterinary patients; including providing nursing care and assistance in all aspects of veterinary surgery and anesthesia. This course must be taken along with or after the completion of VTEC 565. VTEC majors only. Prereq: VTEC 449, AAS 428.

Equivalent(s): VTEC 275

VTEC 579 - Small Animal Practicum I

Credits: 4

This course provides veterinary technology students service learning opportunities. Students manage a wellness clinic for pets, developing staffing/appointment schedules, and performing appropriate procedures on pets. Additionally, students travel off-campus to provide medical, husbandry, and behavioral care for shelter animals. Successful ascertainment and use of correct veterinary terminology is required. A surgical rotation is conducted to introduce techniques in anesthesia, surgical nursing, and dentistry. This is a four-credit course offered for VTEC majors only, and by permission only. Prereq: VTEC 430, VTEC 449.

VTEC 580 - Small Animal Practicum II

Credits: 4

Students manage a wellness clinic for pets, developing staffing/appointment schedules, and perform appropriate procedures on pets. Additionally, students travel off campus to provide medical care for shelter animals. A surgical rotation is conducted to reinforce techniques in anesthesia/surgical nursing and dentistry. Nursing care assignments are due throughout the semester to aid students in the integration of knowledge gain during their academic coursework. This is a four-credit course offered for VTEC majors only, and by permission only. Prereq: VTEC 579.

VTEC 583 - Large Animal Practicum

Credits: 2

An applied large animal class covering basic veterinary nursing care and procedures, focusing on horses and cows. The majority of class time is spent practicing hands-on skills with animals. Restricted to veterinary technology students only. Prereq: AAS 421, AAS 250.

Equivalent(s): VTEC 283

VTEC 595 - Veterinary Technology Internship

Credits: 3

Provides students supervised hands-on experience in a veterinary medical facility within a clinical setting, students apply skills learned in animal handling and nursing, diagnostics and laboratory, client communication and practice management courses. Students are responsible for obtaining a position in an approved veterinary facility prior to the start of the semester. Open to veterinary technology students only.

Prereq: AAS 550, AAS 579.

Equivalent(s): VTEC 295

VTEC 599 - Comprehensive VTNE Review

Credits: 4

Course will prepare veterinary technology students for the Veterinary Technician National Examination (VTNE). Topics include VRNE qualification and registration procedures and standardized test-taking strategies, but will primarily focus on a systematic review of the nine knowledge domains covered on the VTNE. Specific course content will vary based on yearly changes to VTNE content and based on students' performance on a VTNE readiness assessment at the start of the course.

Prereq: AAS 439, AAS 579, AAS 550, VTEC 565. Special fee.