

# VETERINARY TECHNOLOGY (ELECTIVES) (VTE)

## VTE 1021 BASIC DOG GROOMING

**Description:** Basic Dog Grooming provides an introduction to professional grooming. The entire process will be demonstrated and practiced. It includes prepping, bathing, drying, grooming, cuts and finishing. Creative grooming patterns for mixed breeds and purebreds are taught. An introduction to the dynamics of running a successful pet grooming business is discussed as well.

**Credit Hours:** 1

**Max credits per semester:** 1

**Max credits per degree:** 1

**Grading Option:** Graded

## VTE 1111 STOCK DOG I

**Description:** Prerequisite: Completion of VTE-2101 Dog Training or by instructor permission. A course for first-year students designed to introduce students to the concepts and principles of stock dog training. Twice weekly practices allow students to work their dog on a variety of hoof stock: sheep, goats, and cattle. Topics covered include breed knowledge, canine behavior, basic terminology, and husbandry. Material is delivered through training sessions, lecture, training DVDs, assigned reading, and guest clinicians. Students learn about trail competition through hosting and attending cattle dog trial events. Participants must provide their own dog. The dog must be a herding breed and be older than 8 months old. Limited kennel house available on campus through application process.

**Credit Hours:** 1

**Max credits per semester:** 1

**Max credits per degree:** 2

**Grading Option:** Graded

## VTE 1401 ANATOMY & PHYSIOLOGY LAB

**Description:** This class includes the clinical skills (labs) for VTE 1403 Anatomy. Basic body systems are studied at the tissue, organ and systems levels. Comparison of various species of common domestic animals is stressed. Laboratory exercises include a study of the skeletal system and dissection of dog and cat specimens. Availability of large animal organs for comparison is encouraged. The on-site instructor is responsible for lab instruction, grading of laboratory assignments and delivery of lab exams. The on-site instructor may develop an assignment (s) worth 50 points total to customize the class to their site.

**Credit Hours:** 1

**Max credits per semester:** 1

**Max credits per degree:** 1

**Grading Option:** Graded

## VTE 1403 ANATOMY AND PHYSIOLOGY

**Description:** This on-line class studies basic body systems at the tissue, organ and system levels. Comparison of various species of common domestic animals is stressed.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded

## VTE 1511 ANIMAL CARE LAB

**Description:** This lab course contains the clinical skills corresponding to VTE 1512 Animal Care. Both VTE 1512 and VTE 1511 must be taken and passed with a 70% to take Nursing I.

**Credit Hours:** 1

**Max credits per semester:** 1

**Max credits per degree:** 1

**Grading Option:** Graded

## VTE 1512 ANIMAL CARE

**Description:** This survey course introduces the student to canine and feline husbandry, including restraint, behavior, species and breed identification, basic technical techniques and the human-animal bond. Humane animal care and management is emphasized. The care, handling, feeding, basic nursing skills, normal values, administration techniques, basic grooming and sample collection are included. Both VTE 1512 and VTE 1511 must be taken and passed with a 70% to take Nursing I.

**Credit Hours:** 2

**Max credits per semester:** 2

**Max credits per degree:** 2

**Grading Option:** Graded

## VTE 1611 CONCEPTS IN BITS

**Description:** Students explore theories and designs of bits in relation to mouth anatomy and decipline functions. History of bits to current industry trend will be explored with the goal of students gaining a thorough understanding of what a bits role is in riding.

**Credit Hours:** 1

**Max credits per semester:** 1

**Max credits per degree:** 1

**Grading Option:** Graded

## VTE 1621 CALVING ROTATION I

**Description:** Pre req: VTS 1403 Anatomy & Physiology, VTS 2533 Lg Animal Techniques III, VTS 2593 Nursing II, or instructor permission. Students observe and assist in calving. Enrollment limited.

**Credit Hours:** 1

**Max credits per semester:** 1

**Max credits per degree:** 1

**Grading Option:** Graded

## VTE 1623 EQUINE LABORATORY DIAGNOSTICS

**Description:** Pre req: Intro to Laboratory Science This course will help familiarize students interested in equine health with a variety of tests and equipment available for equine diagnostics. complete blood counts, biochemical tests, urinalysis and other evaluation techniques will be discussed and practiced in this course.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded

**VTE 1633 EQUINE DISEASES**

**Description:** In this course students study the causes of equine diseases and the principles of preventive veterinary medicine pertaining to equine. Study includes investigation of specific diseases and disease control measures as well as parasite management in the equine. Important zoonoses are covered. The course includes dosage calculations, and a survey of the common drug types used in equine medicine. Adverse drug reactions are discussed, labeling and packaging requirements, handling and storage of hazardous material and controlled drugs, preparing medications and vaccines, appropriate routes and methods of drug and vaccine administration are included.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded

**VTE 1643 EQUINE HEALTH RECORDS**

**Description:** This course will introduce students to the paperwork and record keeping associated with the horse. Medical records, breeding records, coggins papers, insurance applications, health permits for transportation to events across state borders, and other equine related record keeping will be included in the course. Equine law applications and business issues are introduced as well.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded

**VTE 2011 LIFETIME LEARNING**

**Description:** Continuing education topics designed for Veterinary Technicians to meet continuing education licensing requirements. This class may be repeated for additional CE hours and can be taken by technicians, assistants, and veterinary technology students.

**Credit Hours:** 1

**Max credits per semester:** 1

**Max credits per degree:** 1

**Grading Option:** Pass No Pass

**VTE 2021 SPECIAL INTEREST**

**Description:** In this elective class, the student pursues a subject of special interest to them. It may include but is not limited to research and/or group tours. The project is developed under the supervision and evaluation of a faculty member who is willing and available to contract with the student. (Pre req: VT faculty permission)

**Credit Hours:** 1

**Max credits per semester:** 1

**Max credits per degree:** 1

**Grading Option:** Graded

**VTE 2031 EMERGENCY MEDICINE**

**Description:** Pre req: VTS 2593 Nursing II with a grade of 70% (C) or higher. Students observe and assist in animal care at an emergency clinic for a minimum of 40 hours.

**Credit Hours:** 1

**Max credits per semester:** 1

**Max credits per degree:** 1

**Grading Option:** Graded

**VTE 2032 THE WORLD OF WORK**

**Description:** Prerequisite: enrollment in Veterinary Technology and permissions of VT faculty. This course involves a minimum of 80 hours of field experience at an approved location. The class is tailored to the needs of an individual and the needs of the placement of employment. Statement of objectives will be required and progress notes will be checked. The class is developed by the student under the supervision and evaluation of a Vet Tech faculty member. On site work hours must occur in a place of employment that contributes to the care and health of animals. Enrollment is limited and must be arranged with the instructor before enrolling. The class may be taken only once and is a graded class.

**Credit Hours:** 2

**Max credits per semester:** 2

**Max credits per degree:** 2

**Grading Option:** Graded

**VTE 2041 MAKING A DIFFERENCE**

**Description:** Make a difference in the lives of hundreds of unwanted animals. Do 40 hours of volunteer work at a humane society or animal shelter and receive college credit. Enrollment is limited.

**Credit Hours:** 1

**Max credits per semester:** 1

**Max credits per degree:** 1

**Grading Option:** Graded

**VTE 2101 DOG TRAINING**

**Description:** This course includes principles and rationale of canine training. Basic behavior, exploration of techniques and basic training goals are included. Limited enrollment.

**Credit Hours:** 1

**Max credits per semester:** 1

**Max credits per degree:** 1

**Grading Option:** Graded

**VTE 2111 STOCK DOG II**

**Description:** Prerequisite: Completion of two sections of VTE 1111 A course for second-year students designed to be a continuation of the material covered in VTE 1111, Stock Dog I, with additional advanced stock dog training skills. Students attend twice weekly practices to work on the skills necessary to train their dog for low stress stock handling and /or trial competition. Material is presented through in person practices, lecture, assigned reading, training DVDs, and guest clinicians. Participants travel to and host cattle dog trials where they can compete with their dog. Participants must provide their own dog. The dog must be a herding breed and be at least 8 months old. Limited kennel house available on campus through application process.

**Credit Hours:** 1

**Max credits per semester:** 1

**Max credits per degree:** 4

**Grading Option:** Graded

**VTE 2322 INTRO TO VET OFFICE**

**Description:** This class provides an introduction into the Veterinarian's office and the knowledge essential for working in this position. It focuses on the terminology used in the clinic that is important for communication with clients, technicians, and veterinarians. Terminology expands into knowledge of areas such as infectious diseases, surgery, client relationships, animal care, and vaccinations.

**Credit Hours:** 2

**Max credits per semester:** 2

**Max credits per degree:** 2

**Grading Option:** Graded

**VTE 2342 SPANISH FOR ANIMAL HEALTH**

**Description:** A beginning Spanish course to help one become familiar with terms used when working with people and animals in agriculture and animal health.

**Credit Hours:** 2

**Max credits per semester:** 2

**Max credits per degree:** 2

**Grading Option:** Graded

**VTE 2423 CANINE & FELINE NUTRITION**

**Description:** This is an introductory canine and feline nutrition course. The course provides identification and function of nutrients, understanding pet food labels, and nutritional applications for well and unwell pets. It takes into account the various life stages of dogs and cats and disease processes that diet can affect.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded

**VTE 2522 EXOTIC PETS SELECTION & CARE**

**Description:** This course is designed to introduce students to the selection decisions and overall concerns of owning common exotic animal pets. Specifics about animal species, housing and nutrition requirements as well as expectations of pet behavior and interaction will be addressed within this course.

**Credit Hours:** 2

**Max credits per semester:** 2

**Max credits per degree:** 2

**Grading Option:** Graded

**VTE 2532 BASIC BIRD BEHAVIOR AND TRAINING METHODS**

**Description:** This course will introduce students to the basics of bird behavior that influences training methods. The goal of the course is to help students of veterinary technology practice the best care for birds coming into the clinic by providing birds with cooperative skills via training methods. The philosophy of training without force and utilizing reinforcement will be discussed and utilized within the class.

**Credit Hours:** 2

**Max credits per semester:** 2

**Max credits per degree:** 2

**Grading Option:** Graded

**VTE 2542 WALK THE WILD SIDE**

**Description:** Learn about the untamed side of veterinary technician medicine. Discover the positive impact Zoos and Wildlife Rehab centers can make. Work with endangered and rescued animals. Observe the business side of these operations. Do 80 hours of volunteer work at a zoo or wildlife rehab center and receive college credit. Enrollment is limited. (Pre req: Enrollment in Veterinary Technology)

**Credit Hours:** 2

**Max credits per semester:** 2

**Max credits per degree:** 2

**Grading Option:** Graded

**VTE 2552 FACILITY MANAGEMENT II**

**Description:** Students study and assist with the daily work flow and management of animal facilities utilizing accepted animal welfare practices and standard operating procedures. Front office skill may be practiced and students have the opportunity to provide daily and special care for a selection of animals involved in the veterinary technology program. The course may include some weekend care of animals and facilities. The class is tailored to the student's interest and the division's needs. This class is offered as needed by students and must be prearranged with the division and class sponsor.

**Credit Hours:** 2

**Max credits per semester:** 2

**Max credits per degree:** 2

**Grading Option:** Graded

**VTE 2553 EXOTICS**

**Description:** This course is designed as a continuation in learning to care for exotic animals that the veterinary technician may encounter in clinical practice. Species identification, housing requirements, nursing care, dietary needs, reproduction, and potential health problems will be discussed. Emphasis is usually placed on birds, reptiles, amphibians, small mammals, and alternative livestock species. The goal of this course is to provide the student with skills essential for entry-level positions as veterinary technicians working with non-domestic animals.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded

**VTE 2573 SAFARI**

**Description:** This course of study is intended for students with a special interest in wildlife and/or exotic animals. With the guidance of the instructor, students plan the study trip to expand their knowledge in topics outside the scope of college courses. Prior to the "safari", students will set educational goals based on research pertinent to their trip.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded

**VTE 2613 EQUINE SURGERY AND ANESTHESIA**

**Prerequisites:** Equine Nursing or concurrent enrollment

**Description:** This course will teach an understanding of and basic skills for operating room protocols and anesthesia. The class will cover anesthesia from standing sedation, to basic and commonly used drugs and the anesthetist's responsibilities for induction, through surgery and recovery. Local and general anesthesia techniques and principles will be covered. The surgery portion will cover identification of common instruments, how to prepare them for sterilization, surgical prep and surgery suite management. This information will be presented through lecture, lab and field trips.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded

**VTE 2621 CALVING ROTATION II**

**Description:** Pre req: VTE 1621 Calving Rotation I. Students observe and assist in calving (if available). Necropsy and various other experiences may present themselves. Enrollment limited.

**Credit Hours:** 1

**Max credits per semester:** 1

**Max credits per degree:** 1

**Grading Option:** Graded

**VTE 2623 FEEDING THE EQUINE PATIENT**

**Description:** This course will introduce students with an equine interest to the nutritional management of the equine patient. Diets and needs for specific classes of horses and the unique nutritional demands placed on horses during various disease processes will be included.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded

**VTE 2634 EQUINE DENTISTRY**

**Description:** Students gain an understanding in theories and techniques of equine dentistry. Dentistry methods from basic floating to complete mouth balancing using hand tools, and incisor work will be covered. Equine restraint techniques for unsedated work as well as pharmacologically aided methods will be covered. (Pre req: Must be a DVM, LVT, or a student who has completed 35 hours of an AVMA accredited program)

**Credit Hours:** 4

**Max credits per semester:** 4

**Max credits per degree:** 4

**Grading Option:** Graded

**VTE 2643 EQUINE NURSING**

**Description:** Pre req: Anatomy, Large Animal Techniques I and II, Pharmacy, and Equine Safety) This course provides information to enhance and focus a student's understanding of equine nursing concepts.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded

**VTE 2743 VET TECH OVERVIEW I**

**Description:** This course is designed to provide a comprehensive review of the field of veterinary technology. It is intended for students that have completed the veterinary technology program and need to review specific areas before entering the work force or sitting for the national veterinary technician exam.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded

**VTE 2753 VET TECH OVERVIEW II**

**Description:** This course is designed to provide a comprehensive review of the field of veterinary technology. Course work includes reading, writing and workbook assignments covering material from the Clinical Textbook for Veterinary Technicians. It can be beneficial for students who want to develop a deeper level of understanding for the classes they need to take for the Veterinary Assistant and Veterinary Technician Options,. It is also intended for students who have completed the veterinary technology program and want to pursue the NCTA Alternative Path to completing the Veterinary Technician Option, It can serve Veterinary Technician graduates who want to review specific areas before entering the work force or sitting for the national veterinary technician exam.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded

**VTE 2763 VET TECH PREP**

**Description:** Vet Tech Prep utilizes the On-Line Vet Tech Review course. This course is designed to provide a comprehensive review of the field of veterinary technology. It is beneficial for developing a deeper level of understanding for the material covered in classes taken for the Veterinary Technician and Veterinary Assistant Options. It is also intended for students who have completed the Veterinary Technology Program and want to pursue the NCTA Alternative Pathway to complete the Veterinary Technician Option. It can serve Veterinary Technician graduates who want to review specific areas before entering the work force or sitting for the national licensing exam.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Pass No Pass

**VTE 2773 DENTISTRY FOR VETERINARY TECHNICIANS**

**Description:** (Pre req: Rabies vaccination and have passed Nursing II, Anesthesia, and Radiology classes) Dentistry for Veterinary Technicians covers practical applications of veterinary dentistry for the veterinary technician including canine and feline normal and abnormal anatomy, dental charting, oral disease, and the proper way to do a COHAT (Comprehensive Oral Health Assessment and Treatment). The course also covers equine dental anatomy, assessment, and treatment. The goal of the course is to increase the skill level and value of the veterinary technician in private practices.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded

**VTE 2811 ULTRASOUND**

**Prerequisites:** VTS 1403 Anatomy

**Description:** The principles of ultrasound are studied. The student is introduced to basic equipment care and use. Procedures are performed on small and large animals.

**Credit Hours:** 1

**Max credits per semester:** 1

**Max credits per degree:** 1

**Grading Option:** Graded

**VTE 2821 RADIATION SAFETY**

**Description:** This online course is designed for veterinary assistants who are working in a private practice. The course covers the dangers of radiation and how to protect our patients and ourselves from potential harm. Rules and regulations as they apply to veterinary assistants and technicians are reviewed and a clinic safety plan is developed. Successful completion of this course will allow the individual to meet the State of Nebraska's Radiation Safety requirements.

**Credit Hours:** 1

**Max credits per semester:** 1

**Max credits per degree:** 1

**Grading Option:** Graded