



VETERINARY TECHNOLOGY SYSTEMS

Faculty

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Veterinary Technology Mission

The Veterinary Technology Systems division is dedicated to the development of innovative individuals for careers in the animal health industry. The focus of the Veterinary Technology Associate of Applied Science degree is to provide the hands-on skills and academic background needed for graduates to accept and be successful in career opportunities within the animal health industry, be lifelong learners and involved community members. NCTA maintains a wide variety of animals to provide the students with a consistent and broad background of experience.

Application and Selection Process for Technician Option

Students interested in the Veterinary Technician Option are initially accepted into the Veterinary Assistant, Animal Husbandry, Animal Health Management or Equine Health Care Option. These options can be used as the degree pursued or as preparation for being accepted into the Veterinary Technician Option at the Nebraska College of Technical Agriculture.

Upon successfully meeting the listed requirements, a student may be accepted into the Veterinary Technician Option Program. Once selected, the student's advisor will have the admissions officer formally complete the change of option.

IMPORTANT NOTE: Only the Veterinary Technician option can lead to licensure as a veterinary technician.

To be accepted into the Veterinary Technician Option students must meet the following requirements:

1. Vaccinations
 - a. Tetanus shot within the last 10 years
 - b. Rabies Pre-exposure Vaccination (Please see Rabies Mitigation plan below).
 - i. Rabies vaccination is required for students pursuing the Veterinary Technician Option.
2. In the event of course failure, withdrawal, or a grade of C- or below, a student will be allowed to repeat the course to earn a qualifying grade. Once all requirements have been met a student may apply to be accepted into the Veterinary Technician Option.
3. Successful completion of 24 credit hours of advisor guided NCTA Veterinary Technology and / or NCTA college core classes.
4. 20 hours of observation in a Veterinary Clinic
5. Grooming and Attire Requirements

6. It is recommended that students be able to safely lift 50 lbs. Reasonable accommodations will be made when possible. Please talk to your instructor.
7. Health Insurance is highly recommended.

Please refer to the Veterinary Technology Handbook (<https://ncta.unl.edu/CurrentStudents/AcademicResources/2023%20Handbook%20Updated%20March%20%202023.pdf>) for more information on these topics.

Graduation Requirements

Final Assessment- Veterinary Technician Option

- NCTA's Associate of Applied Science, Veterinary Technician Option focuses on providing the hands-on skills and academic background needed to accept career opportunities as an entry-level veterinary technician. The program is American Veterinary Medical Association (AVMA) accredited with a curriculum based on the AVMA essential tasks and skill list. Veterinary Technology – Technician Option graduates are qualified to sit for the Veterinary Technician National Licensing Exam and become licensed Veterinary Technicians. NCTA maintains a wide variety of animals to provide the students with a consistent and broad background of experience.
- This option requires successfully completing structured classes covering AVMA essential skills, an 8-week internship, passing the exit exam and, a CGPA of 3.0.
- To become a licensed veterinary technician in Nebraska, one must graduate from an AVMA accredited Veterinary Technology Program (Technician Option), pass the VTNE (Veterinary Technician National Exam), and become licensed with the state of Nebraska. Certain felonies will prevent a person from being able to obtain a license.

Veterinary Technology Handbook

All Veterinary Technology students should read the Veterinary Technology Student Handbook, which can be found on the NCTA web page.

Rabies Mitigation Plan

- Rabies is a fatal disease that the veterinary profession may come in contact with, so several requirements are in place.
- Animals brought to class by students must be vaccinated against rabies at least 28 days before coming to class (This includes dogs, cats, and horses)
- Unvaccinated students will not handle any unvaccinated warm-blooded animals.

Veterinary Technician Option-Associate of Applied Science Degree

The Veterinary Technician Option requires the successful completion of all required classes, an 8 week internship, passing the exit exam and a CGPA of 80%.

College General Education Core

17

Veterinary Technology Required Courses

54

VTS 1301

MEDICAL TERMINOLOGY

VTS 1403	ANATOMY AND PHYSIOLOGY
VTS 1511	LARGE ANIMAL TECHNIQUES I
VTS 1513	ANIMAL CARE
VTS 1521	LARGE ANIMAL TECHNIQUES II ^(P)
VTS 1542	FACILITY MANAGEMENT ^(P)
VTS 1713	PHARMACY-ANESTHESIA ^(P)
VTS 2331	CLINICAL PRACTICES ^(P)
VTS 2533	LARGE ANIMAL TECHNIQUES III ^(P)
VTS 2563	FUR AND FEATHER
VTS 2583	NURSING I ^(P)
VTS 2593	NURSING II ^(P)
VTS 2652	PARASITOLOGY ^(P)
VTS 2662	HEMATOLOGY ^(P)
VTS 2672	CLINICAL PATHOLOGY ^(P)
VTS 2733	DISEASES OF VET MED ^(P)
VTS 2824	DIAGNOSTIC IMAGING
VTS 2933	ANESTHESIOLOGY ^(P)
VTS 2951	PAIN MANAGEMENT
VTS 2954	SURGERY PREPARATION ^(P)
VTE 2763	VET TECH PREP
Nutrition-selection one 3 credit hour nutrition	
VTE 2423	CANINE & FELINE NUTRITION
VTE 2623	FEEDING THE EQUINE PATIENT
ASI 1253	NUTRITION
Internship	
VTS 2243	VETERINARY TECHNOLOGY INTERNSHIP
Total Credit Hours	

74

(P)denotes that there is a prerequisite class that must be passed with a 70% or above.

Veterinary Technician Option-Associate of Applied Science Degree; Alternative Pathway

If all required classes are passed with a "C" or above, and the exit exam is passed, but a 3.0 CGPA is not achieved, the following alternative path to the Veterinary Technician Option can be pursued.

- Take and pass all required Veterinary Technician Option classes with "C" or above.
- Take and pass the following classes:
 - Vet Tech Overview I
 - Vet Tech Overview II
 - Special Interest- Vet Tech Prep Course
 - Radiation Safety
- Obtain a 2.8 CGPA
- Complete three years of successful work in the field of veterinary medicine. The work experience must be full time, occur after graduation and be verified by the veterinary you are working for.

Veterinary Assistant Option-Associate of Applied Science Degree

The Veterinary Assistant Option requires the successful completion of all required classes, an 8 week internship and a CGPA of 70%.

The course work is the same as the Veterinary Technician Option above. Please see Veterinary Technician Option.

Animal Husbandry Option-Associate of Applied Science Degree

Associate of Applied Science-General Education Core		17
Internship		3
VTS 2243	VETERINARY TECHNOLOGY INTERNSHIP	
Veterinary Technology Courses		3
VTS 1542	FACILITY MANAGEMENT ^(P)	
or ASI 1442 EQUINE PRACTICUM I		
VTE 2821	RADIATION SAFETY	
Veterinary Technology Classes (advisor guided)		31
VT or APS Advisory guided classes		14
Electives		3
Total Credit Hours		71

Equine Health Option-Associate of Applied Science Degree

Associate of Applied Science-General Education Core		17
Veterinary Technology Internship		3
Required Veterinary Technology Courses		41
ASI 1442	EQUINE PRACTICUM I	
ASI 1501	EQUINE SAFETY	
ASI 2433	EQUINE INDUS MNGT I	
VTE 1623	EQUINE LABORATORY DIAGNOSTICS (P)	
VTE 1633	EQUINE DISEASES	
VTE 1643	EQUINE HEALTH RECORDS	
VTE 2613	EQUINE SURGERY AND ANESTHESIA	
ASI 2611	EQUINE REPRODUCTION I	
VTE 2623	FEEDING THE EQUINE PATIENT	
VTE 2643	EQUINE NURSING	
VTS 1301	MEDICAL TERMINOLOGY	
VTS 1403	ANATOMY AND PHYSIOLOGY	
VTS 1511	LARGE ANIMAL TECHNIQUES I	
VTS 1521	LARGE ANIMAL TECHNIQUES II ^(P)	
VTS 1713	PHARMACY-ANESTHESIA ^(P)	
VTS 2533	LARGE ANIMAL TECHNIQUES III (P)	
VTS 2824	DIAGNOSTIC IMAGING	
Choose 8 Credit hours from the following (advisor guided):		8
ACT 1103	ACCOUNTING I	
AEQ 1171	FARM EQUIP & SAFETY	
ASI 1241	RANCH HORSE I	
ASI 1253	NUTRITION	
ASI 1263	BASIC EQUITATION	
ASI 2412	EQUINE MARKETING TECHNIQUES	
ASI 2443	EQUINE INDUS MNGT II	
VTE 2021	SPECIAL INTEREST	
VTE 2032	THE WORLD OF WORK	
VTE 2342	SPANISH FOR ANIMAL HEALTH	
VTE 2811	ULTRASOUND	
VTS 2652	PARASITOLOGY (P)	

VTS 2733	DISEASES OF VET MED (P)
VTS 2551	LARGE ANIMAL CLINICAL ROTATION
VTS 2951	PAIN MANAGEMENT

Total Credit Hours 69

Animal Care Certificate

Select 12 hours from the following: 12

AEQ 1171	FARM EQUIP & SAFETY
ASI 1501	EQUINE SAFETY
VTS 1301	MEDICAL TERMINOLOGY
VTS 1313	MATH FOR VET TECHS
VTS 1511	LARGE ANIMAL TECHNIQUES I
VTS 1513	ANIMAL CARE
VTS 1542	FACILITY MANAGEMENT (P)
VTS 1604	INTRODUCTION TO LABORATORY SCIENCE
VTS 2563	FUR AND FEATHER
VTE 1403	ANATOMY AND PHYSIOLOGY
VTE 2423	CANINE & FELINE NUTRITION
VTE 2101	DOG TRAINING
VTE 2522	EXOTIC PETS SELECTION & CARE
VTE 2532	BASIC BIRD BEHAVIOR AND TRAINING METHODS
VTE 2821	RADIATION SAFETY
VTE 2553	EXOTICS

Total Credit Hours 12

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

VTS 1241 SUCCESS IN VETERINARY TECHNOLOGY

Description: This class is intended to enrich the Veterinary Technology student learning experience here at NCTA by helping the student take charge of their education. The instructor and peer study partners will assist students with keeping on track and focusing on their educational goals. The class is designed to increase a student's success in college by fostering positive relationships. Life skills are taught that are necessary for students to reach educational objectives. These skills include but are not limited to study habits, note taking, professionalism, time management, personal hygiene, budgeting, academic responsibility and accountability. The class helps make the transition to college and understand the components of being successful at college and in life. Students will formulate life and career goal and become aware of resources available to them to help achieve these goals.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Grading Option: Graded

VTS 1301 MEDICAL TERMINOLOGY

Description: Medical Terminology introduces the student to basic words and word structure that are essential in reading and writing medical literature. This course is essential for anyone seeking a better understanding of veterinary medical and scientific terms.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Grading Option: Graded

VTS 1313 MATH FOR VET TECHS

Description: This course is specifically designed to prepare students for the mathematics used on a daily basis in veterinary nursing as well as on national certification board exams. It includes concepts needed for computations in chemistry and veterinary clinical practice classes. Major subject areas and exercises address conversions within a measurement system and between measurement systems. Computations taught in this course focus on single and multiple step dosage problems and the diluting of stock solutions to desired concentrations.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

VTS 1403 ANATOMY AND PHYSIOLOGY

Description: Basic body systems are studied at the tissue, organ, and system levels. Comparison of various species of common domestic animals is stressed. Laboratory exercises include a study of the skeletal system and dissection of a typical mammal.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

Prerequisite for: VTE 2811

VTS 1511 LARGE ANIMAL TECHNIQUES I

Description: A course that deals with animal handling, current issues facing the livestock industry, production trends, terminology, animal growth, structure and selection, breeds, and development.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Grading Option: Graded

VTS 1513 ANIMAL CARE

Description: This survey course introduces the student to canine and feline husbandry, behavior, species and breed identification, and the human-animal bond. Humane animal care and management is emphasized. The care, handling, nutritional needs basic nursing skills, normal values, and administration techniques, basic grooming and obtaining objective patient data. Effective and appropriate restraint techniques are stressed. Student must be able to lift and carry 50 lbs. to take this class. This is a lecture and lab class. A 70% or above in this class is required to take Nursing I.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

VTS 1521 LARGE ANIMAL TECHNIQUES II

Description: Prerequisite: VTS 1511 Large Animal Techniques I and Rabies Vaccination Specific animal physiology of large and small farm animals is studied. The course includes an introduction to nursing procedures required in veterinary practice for farm animals. Safe and effective methods of controlling various kinds of animals are discussed and practiced in a combination lecture and hands-on laboratory format. Equine, bovine, caprine, poultry, and porcine are covered, as well as other species.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Grading Option: Graded

VTS 1542 FACILITY MANAGEMENT

Description: (Pre req: 20 hours of veterinary clinic observation and completing the NCTA Veterinary Technology Clinic Observation Hours Form) Students study the management of animal holding facilities and the implementation of accepted animal welfare practices. Each student will participate in weekly kennel rotations providing the opportunity to care for the wide variety of animals involved in the veterinary technology program. This includes weekend care.

Credit Hours: 2

Max credits per semester: 2

Max credits per degree: 2

Grading Option: Graded

VTS 1604 INTRODUCTION TO LABORATORY SCIENCE

Description: A study of biological and chemical principles and how they pertain to living systems. Through the application of fundamental biology and chemistry, students will survey the biological world in association with production, companion animals and human health. Topics include parasitology, hematology, bacteriology, virology and an overview of laboratory procedures. The goal of this course is to provide students with an introduction to the world of microbes as a foundation for an integrated approach to understanding and managing for optimal, as well as economic, animal health decisions.

Credit Hours: 4

Max credits per semester: 4

Max credits per degree: 4

Grading Option: Graded

VTS 1713 PHARMACY-ANESTHESIA

Description: Pre req: A 70% (C) or higher in VTS 1313 Math for Vet Techs and Rabies Vaccination. This course includes the study of pharmacokinetics, pharmacodynamics, dosage calculations, and a survey of the common drug types used in veterinary practice. Adverse drug reactions are discussed.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

VTS 1822 RADIOLOGY I

Description: (Pre req: 18 years of age and passing of 60% (D) in VTS 1403 Anatomy & Physiology, and Rabies Vaccination) The student is presented with an overview of radiation safety, the generation of x-rays, machine operation and maintenance, patient positioning, radio-graphic film exposure, film developing, CI imaging, care of darkroom equipment, evaluation of x-ray quality, and correction in techniques for producing an x-ray the veterinarian can use for diagnostic purposes. The laboratory portion is spent applying radiation safety principles and positioning of animals for radiography using various x-ray machines, film developing and computerized imaging storage techniques. A grade of 70% (C) or higher in Radiology I is required to take Radiology II. Students must be able to lift and carry 50 lbs. and to perform the practical skills to do well in this class. It is important to remember that the hands-on skills in this class must be performed at an adequate entry skill level to do well in the class or on the job.

Credit Hours: 2

Max credits per semester: 2

Max credits per degree: 2

Grading Option: Graded

VTS 2241 CAREER STRATEGIES

Description: Pre req: Rabies Vaccination This course will provide students the opportunity to develop their "intercultural knowledge and competence" and "information literacy" skills and abilities. It will include group activities to help formulate career goals, improve academic success skills, develop a resume and cover letter, select and prepare for an appropriate internship. The course provides preparation for future employment. Students will review OSHA standards and learn about types of performance reviews common in the work place. Goal setting skills will be sharpened by developing objectives and a way to accomplish them as well as a measure for recognizing success in each area chosen. Students will develop job seeking skills as they locate an internship site.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Grading Option: Graded

VTS 2243 VETERINARY TECHNOLOGY INTERNSHIP

Description: Pre req: Completion of or enrolled in VTS 2241 Career Strategies, a CGPA of 2.0 or higher, successful completion of 24 credits in the chosen VTS option, and Rabies Vaccination. The internship is for a period of 8 weeks. Internship may be done during school breaks that are of at least one week in length or upon completion of all course work. Internship locations and agreements must be approved. For the Veterinary Technician Option, internship must be done with a supervising veterinarian or veterinary technician designated by the veterinarian. Agreements may include more than one site. Official agreements are entered into between the student, the employer, and the college. Students identify learning objectives, design a methodology to accomplish them during the internship and must show substantial progress toward completion of these goals through weekly reports, pictures and evaluations. Students are encouraged to carry their own medical, disability, and liability insurance and receive pre-exposure Rabies vaccination.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Pass No Pass

VTS 2331 CLINICAL PRACTICES

Description: Pre req: Rabies vaccination or concurrent enrollment, VTS 2652 Parasitology, VTS 1822 Radiology I, and VTS 2583 Nursing I. This class provides practical experience and preparation for working in a veterinary clinic setting. The students will be working in the Dr. Walter Long Veterinary Technology Teaching Clinic where basic technician based services are offered to the clinic clientele consisting of NCTA student, faculty and staff owned animals. As a field experience, students work for a minimum of 64 hours during the semester.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Grading Option: Graded

VTS 2533 LARGE ANIMAL TECHNIQUES III

Description: Prerequisite: VTS 1521 Large Animal Techniques II with a grade of 70% (C) or above, and Rabies Vaccination. This course includes nursing procedures, radiology, and surgery for production animals and equine. Safe and effective methods of controlling various kinds of livestock are discussed and practiced in a combination of lecture and hands-on laboratory format. Equine, bovine, ovine, caprine, porcine and poultry as well as other species may be covered.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

VTS 2551 LARGE ANIMAL CLINICAL ROTATION

Description: Pre req: grade of 70% (C) or better in VTS 1511 Large Animal Techniques I. Students will have several extended days (32+ hours) of experiential learning opportunities with various large animal clinics/operations in the area, where they will assist in physical exams, vaccinations, pregnancy checks, necropsies, surgeries, and other large animal procedures (as available).

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Grading Option: Graded

VTS 2563 FUR AND FEATHER

Description: Pre-req: Rabies Vaccination This course is an introduction to the care of the smaller furred, feathered, and scaled animals that veterinary technicians may encounter in clinical practice. Species identification, housing requirements, dietary needs, reproduction, and potential health problems will be discussed. Emphasis will be placed on birds, rodents, small mammals, and reptiles housed at NCTA. This class includes a lecture and lab component.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

VTS 2583 NURSING I

Description: Pre req: A 70% (C) or higher in VTS 1313 Math for Vet Techs and VTS 1513 Animal Care, and Rabies Vaccination . Basic animal nursing skills that are vital to the veterinary technician career are introduced. A large variety of skills are studied and practiced. This class includes a lecture and lab component. This class must be passed with a 70% (C) or higher to take Nursing II.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

VTS 2593 NURSING II

Description: Pre req: VTS 1542 Facility Mgt. and VTS 2583 Nursing I, and Rabies Vaccination. This course is a continuation of Nursing I. Advanced animal nursing skills are studied and practiced. This class includes a lecture and laboratory component. This class is a pre req for VTS 1713 Pharmacy-Anesthesia.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

VTS 2652 PARASITOLOGY

Description: Pre req: VTS 1604 Intro to Laboratory Science with at least a 70% (C), and Rabies Vaccination. Students study parasitic life cycles and parasite identification methods for both internal and external parasites of domestic animals, lab animals and birds. This class includes the collection and preparation of samples and diagnostic tests commonly used by veterinary technicians in the field and those available through commercial laboratory analysis. A survey of current therapy and products available for use will be included in this course.

Credit Hours: 2

Max credits per semester: 2

Max credits per degree: 2

Grading Option: Graded

VTS 2662 HEMATOLOGY

Prerequisites: Parasitology with at least 70%

Description: Pre req: Rabies Vaccination Student will learn skills pertaining to the study of blood. Included in the class will be: principles of laboratory safety, proper operation and maintenance of clinical laboratory equipment (microscope, centrifuge, hemacytometer, refractometer, and hemoglobinometer) and preparation of microscopic slides (collection of samples, staining techniques, identification of blood elements, reporting of results, and identification of blood parasites). Correct techniques for performing total blood counts, hematocrits, differentials, reticulocyte counts, coagulation tests and hemoglobin determinations will also be included in this course.

Credit Hours: 2

Max credits per semester: 2

Max credits per degree: 2

Grading Option: Graded

VTS 2672 CLINICAL PATHOLOGY

Prerequisites: Hematology with at least a 70%

Description: Pre req: Rabies Vaccination Students will continue laboratory testing in the areas of hematology (including blood chemistries); parasitology (including skin scraping analysis); bacteriological culturing, isolation and identification; urinalysis and sample submission.

Credit Hours: 2

Max credits per semester: 2

Max credits per degree: 2

Grading Option: Graded

VTS 2733 DISEASES OF VET MED

Description: Pre req: VTS 1403 Anatomy and Physiology and VTS 1604 Intro to Laboratory Science and Rabies Vaccination. Students study the causes of animal diseases and the principles of preventive veterinary medicine pertaining to livestock, dogs, cats and laboratory animals. Study includes investigation of specific diseases and disease control measures including biosecurity as well as parasite management in animals. Important zoonoses are covered as well. The necropsy lab provides students the opportunity to learn proper necropsy technique, sample collection and submission for diagnostic tests and appropriate disposal procedures.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

VTS 2823 RADIOLOGY II

Description: Pre req: 60% (D) or higher grade in VTS 1822 Radiology I. This course is a continuation of Radiology I with emphasis placed on principles governing x-ray generation, establishment of technique charts, automatic film development, computerized imaging, exotic, equine, canine and feline radiographs and small animal contrast studies.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

VTS 2824 DIAGNOSTIC IMAGING

Description: (Pre req: 18 years of age and passed Anatomy with a 60% or above). The student is presented with an overview of radiation safety, the generation of x-rays, the principles governing x-ray generation, OFA, and other health standard radiographic evaluations, equine, dental radiographs, small animal contrast studies, machine operation and maintenance, patient positioning, radiographic film exposure, film developing, computerized imaging, digital imaging, care of darkroom equipment, evaluation of x-ray quality, and correction in techniques for producing an x-ray the veterinarian can use for diagnostic purposes. We will also cover the basics and equipment for ultrasound, endoscopy, and fluoroscopy. Students should be able to lift and carry 50 lbs to perform the practical skills to do well in this class. It is important to remember that the hands-on skills in this class must be performed at an adequate entry skill level to do well in the class or on the job.

Credit Hours: 4

Max credits per semester: 4

Max credits per degree: 4

Grading Option: Graded

VTS 2933 ANESTHESIOLOGY

Prerequisites: A grade of 70% or currently enrolled in Radiology I, Nursing II, Pharmacology and Hematology

Description: Pre req: Rabies Vaccination Principles of small animal inhalation anesthesia, pre-anesthetics, induction and maintenance anesthesia are covered in this class. Pre-surgical patient evaluations, risk classifications, monitoring techniques, equipment, inhalation machines, systems and safety are all studied in both a lecture and lab format. A 70% or higher in Anesthesiology is a pre-requisite Surgery Prep.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

VTS 2951 PAIN MANAGEMENT

Description: Pre req: Rabies Vaccination This short course will cover the physiology, assessment, and treatment of pain as well as the ethics and social issues concerning treatment of farm and lab animals for pain. We will cover the types of medications that can be used, as well as other modalities for treatment of pain. The ability to recognize pain in various species is an important first step in the treatment of pain, and veterinary technicians are a first line of care for a painful animal. The goal of this course is to prepare you to know how pain is transmitted in the body, how to assess pain in various species, and what modalities can be used to treat it.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Grading Option: Graded

VTS 2954 SURGERY PREPARATION

Description: Pre req: Assistant Option: 60% or higher in Pharmacology, Anesthesia, Nursing II, Radiology, Clinical Pathology, or concurrent enrollment. See instructor for required paperwork. Technician Option: 70% or higher in the above listed classes or concurrent enrollment. The student is introduced to the proper preparation of the surgical theater, instruments, equipment and the animal for aseptic surgery. Students perform all the supporting operating room tasks including pre-surgical screening, anesthesia, patient preparation, surgical assisting, suite set-up, pack preparation and recovery. Correct pre-operative and post-operative care of the patient is stressed. The lab is an integral portion of this course. Students must be able to lift and carry 50 lbs. and to perform the practical skills to do well in this class. It is important to remember that the hands-on skills in this class must be performed at an adequate entry skill level to do well in the class or on the job.

Credit Hours: 4

Max credits per semester: 4

Max credits per degree: 4

Grading Option: Graded

Program Outcomes For Veterinary Technician Option

1. Upon successful completion of the Veterinary Technician Option, students will be able to demonstrate proficiency in the essential skill tasks outlined by the American Veterinary Medical Association. The Skills List represents the complex role of the veterinary technician and encourages instruction in motor skills, critical thinking, entrepreneurship, and clinical application at the entry veterinary technician level in the following areas.
 - Office and Hospital Procedures
 - Pharmacy and Pharmacology
 - Nursing Skills
 - Anesthesia
 - Radiology
 - Surgical Prep & Nursing
 - Parasitology, Hematology, and Clinical Pathology
 - Animal Husbandry, Handling, Behavior, and Restraint
 - Anatomy
2. Upon successful completion of the Veterinary Technician Option, students will be able to demonstrate the academic background needed to pass a national Veterinary Technician National Exam (licensing). This is assessed through the VT Exit Exam and obtaining a 3.0 CGPA.

Program Outcomes For Veterinary Assistant Option

1. Students will be able to effectively communicate in oral and written formats.
2. Upon successful completion of the Veterinary Assistant Option, students will be able to demonstrate proficiency in the essential skills and tasks outlined by the American Veterinary Medical Association. The skills list represents the complex role of the veterinary assistant and encourages instruction in motor skills,



critical thinking, entrepreneurship and clinical application at the entry veterinary technician level in the following areas:

- Office and Hospital Procedures
- Pharmacy and Pharmacology
- Nursing Skills
- Anesthesia
- Radiology
- Surgical Prep and Nursing
- Parasitology, Hematology, and Clinical Pathology
- Animal Husbandry, Handling, Behavior, and Restraint
- Anatomy

Program Outcomes For Animal Husbandry, Animal Health Management, Equine Health Care

1. Students will be able to effectively communicate in oral and written formats.
2. Students will be able to exhibit required knowledge and skills consistent with their chosen field of study. (Technical Competence)
 - Office and Hospital Procedures
 - Pharmacy and Pharmacology
 - Nursing Skills
 - Nursing
 - Animal Husbandry, Handling, Behavior, and Restraint
 - Anatomy

Veterinary Technician Option Sequence of Study

Course	Title	Credit Hours
Year 1		
Fall		
VTS 1403	ANATOMY AND PHYSIOLOGY	3
VTS 1513	ANIMAL CARE	3
VTS 1511	LARGE ANIMAL TECHNIQUES I	1
VTS 1604	INTRODUCTION TO LABORATORY SCIENCE	4
VTS 1313	MATH FOR VET TECHS	3
VTS 1301	MEDICAL TERMINOLOGY	1
VTS 1542	FACILITY MANAGEMENT	2
Credit Hours		17
Spring		
VTS 1521	LARGE ANIMAL TECHNIQUES II	1
VTS 1713	PHARMACY-ANESTHESIA	3
VTS 2583	NURSING I	3
VTS 2824	DIAGNOSTIC IMAGING	4
VTS 2652	PARASITOLOGY	2
VTS 2733	DISEASES OF VET MED	3
VTE 2423	CANINE & FELINE NUTRITION	3
Credit Hours		19
Summer		
VTS 2533	LARGE ANIMAL TECHNIQUES III	3
VTS 2563	FUR AND FEATHER	3

SPC 1103 or SPC 1113	SALES COMM or PUBLIC SPEAKING	3
Credit Hours		9
Year 2		
Fall		
VTS 2533	LARGE ANIMAL TECHNIQUES III	3
VTS 2662	HEMATOLOGY	2
VTS 2951	PAIN MANAGEMENT	1
VTS 2933	ANESTHESIOLOGY	3
VTS 2331	CLINICAL PRACTICES	1
VTS 2241	CAREER STRATEGIES	1
ENG 1503 or ENG 1903	TECHNICAL COMMUNICATION I or WRITING & INQUIRY	3
Credit Hours		14
Spring		
1st 8 weeks		
PSY 1103	HUMAN RELATIONS	3
VTS 2672	CLINICAL PATHOLOGY	2
VTS 2954	SURGERY PREPARATION	4
2nd 8 Weeks		
VTS 2243	VETERINARY TECHNOLOGY INTERNSHIP	3
Credit Hours		12
Total Credit Hours		71

Animal Husbandry Option Suggested Sequence of Study

Course	Title	Credit Hours
Year 1		
Fall		
VTS 1313 or MTH 1503	MATH FOR VET TECHS or COLLEGE ALGEBRA	3
VTS 1604	INTRODUCTION TO LABORATORY SCIENCE	4
Select 9 credit hours from:		9
VTS 1403	ANATOMY AND PHYSIOLOGY	
VTS 1513	ANIMAL CARE	
VTS 1511	LARGE ANIMAL TECHNIQUES I	
VTS 1301	MEDICAL TERMINOLOGY	
ASI 1253	NUTRITION	
VTE 1633	EQUINE DISEASES	
ASI 2433	EQUINE INDUS MNGT I	
Credit Hours		16
Spring		
VTS 1542	FACILITY MANAGEMENT	2
SPC 1103	SALES COMM	3
VTS 2824	DIAGNOSTIC IMAGING	4
Select 11 Credit Hours		11
VTS 1521	LARGE ANIMAL TECHNIQUES II	
VTS 1713	PHARMACY-ANESTHESIA	
ASI 2611	EQUINE REPRODUCTION I	
VTS 2583	NURSING I	

VTS 2652	PARASITOLOGY	
Credit Hours		20
Year 2		
Fall		
ENG 1503 or ENG 1903	TECHNICAL COMMUNICATION I or WRITING & INQUIRY	3
ASI 1442	EQUINE PRACTICUM I	2
VTS 2241	CAREER STRATEGIES	1
Select 12 credits of VTS or VTE courses		12
Credit Hours		18
Spring		
AED 1023	INTERPERSONAL SKILLS FOR LEADERSHIP	3
Select 11 credits of VTS or VTE courses		11
2nd 8 Weeks		
VTS 2243	VETERINARY TECHNOLOGY INTERNSHIP	3
Credit Hours		17
Total Credit Hours		71

Equine Health Care Option

Suggested Sequence of Study

Course	Title	Credit Hours
Year 1		
Fall		
VTS 1511	LARGE ANIMAL TECHNIQUES I	1
VTS 1313	MATH FOR VET TECHS	3
VTS 1301	MEDICAL TERMINOLOGY	1
VTS 1403	ANATOMY AND PHYSIOLOGY	3
ASI 1501	EQUINE SAFETY	1
VTS 1604	INTRODUCTION TO LABORATORY SCIENCE	4
ASI 1442	EQUINE PRACTICUM I	2
VTE 1643	EQUINE HEALTH RECORDS	3
Credit Hours		18
Spring		
VTS 1521	LARGE ANIMAL TECHNIQUES II	1
VTS 1713	PHARMACY-ANESTHESIA	3
ASI 2611	EQUINE REPRODUCTION I	1
VTS 2824	DIAGNOSTIC IMAGING	4
SPC 1103	SALES COMM	3
Advisor Guided Electives		7
Credit Hours		19
Summer		
VTE 2623	FEEDING THE EQUINE PATIENT	3
VTS 2243	VETERINARY TECHNOLOGY INTERNSHIP	3
Credit Hours		6
Year 2		
Fall		
VTS 2533	LARGE ANIMAL TECHNIQUES III	3
ENG 1503 or ENG 1903	TECHNICAL COMMUNICATION I or WRITING & INQUIRY	3
VTE 1633	EQUINE DISEASES	3

VTE 1623	EQUINE LABORATORY DIAGNOSTICS	3
ASI 2433	EQUINE INDUS MNGT I	3
VTS 2951	PAIN MANAGEMENT	1
Credit Hours		16
Spring		
VTE 2613	EQUINE SURGERY AND ANESTHESIA	3
VTE 2643	EQUINE NURSING	3
VTS 2241	CAREER STRATEGIES	1
Select 5 credit hours from the following:		5
ASI 2443	EQUINE INDUS MNGT II	
VTE 1111	STOCK DOG I	
ASI 2442	EQUINE PRACTICUM II	
ASI 2442	EQUINE PRACTICUM II	
VTE 2111	STOCK DOG II	
VTS 2652	PARASITOLOGY	
VTE 2811	ULTRASOUND	
VTE 2032	THE WORLD OF WORK	
VTE 2021	SPECIAL INTEREST	
Credit Hours		12
Total Credit Hours		71