VETERINARY TECHNOLOGY (VTEC)

VTEC 10001  INTRODUCTION TO VETERINARY TECHNOLOGY  2 Credit Hours
Introduction to veterinary technician’s career: medical terminology, career choices, occupational safety, human-animal bond, pet loss, euthanasia, animal husbandry and basic nutrition, breed identification, basic animal behavior.
Prerequisite: None.
Schedule Type: Lecture
Contact Hours: 2 lecture
Grade Mode: Standard Letter

VTEC 10002  VETERINARY NURSING I  3 Credit Hours
Introduction to animal nursing: record keeping, kennel sanitation, animal restraint, syringe and needle identification/handling, injection techniques, physical exams, grooming and administration of medications. Lecture two hours, laboratory 3 hours weekly.
Prerequisite: Veterinary technology (VTEC) major; and admission to technical study.
Schedule Type: Laboratory, Lecture, Combined Lecture and Lab
Contact Hours: 2 lecture, 3 lab
Grade Mode: Standard Letter

VTEC 10003  INTRODUCTION TO VETERINARY TECHNOLOGY I  2 Credit Hours
Continuation and application of laboratory skills from Clinical Laboratory I; hematology, serology, cytology and other laboratory skills. Lecture 2 hours, laboratory 3 hours weekly.
Prerequisite: Minimum C grade in BSCI 10005 and CHEM 10050 and VTEC 10001 and VTEC 10002 and VTEC 10204; pre- or corequisites: VTEC 10001 and VTEC 10205.
Schedule Type: Laboratory, Lecture, Combined Lecture and Lab
Contact Hours: 2 lecture, 3 lab
Grade Mode: Standard Letter

VTEC 10204  CLINICAL LABORATORY I  3 Credit Hours
Introduction to clinical laboratory; equipment and equipment maintenance; internal and external parasites; urinalysis. Lecture 2 hours, laboratory 3 hours weekly.
Prerequisite: Veterinary technology (VTEC) major.
Schedule Type: Laboratory, Lecture, Combined Lecture and Lab
Contact Hours: 2 lecture, 3 lab
Grade Mode: Standard Letter

VTEC 20008  CLINICAL LABORATORY II  3 Credit Hours
Continuation and application of laboratory skills from Clinical Laboratory I; hematology, serology, cytology and other laboratory skills. Lecture 2 hours, laboratory 3 hours weekly.
Prerequisite: minimum grade of C (2.000) in all prerequisites; BSCI 10005 and CHEM 10050 and VTEC 10002 and VTEC 10204; pre- or corequisites: VTEC 10001 and VTEC 10205.
Schedule Type: Laboratory, Lecture, Combined Lecture and Lab
Contact Hours: 2 lecture, 3 lab
Grade Mode: Standard Letter

VTEC 10205  VETERINARY NURSING II  3 Credit Hours
Clinical application off-site. Emphasis on skills from VTEC 10002; physical exam, medications, blood vessels catheterization, venipuncture; fluid therapy, wound care, patient rehabilitation and physical therapy, first aid, bandaging and CPR.
Prerequisite: Minimum C grade in BSCI 10005 and CHEM 10050 and HED 14020 and VTEC 10002 and VTEC 10204, Pre/corequisite: VTEC 10001.
Schedule Type: Laboratory, Lecture, Combined Lecture and Lab
Contact Hours: 2 lecture, 3 lab
Grade Mode: Standard Letter

VTEC 10206  PHARMACOLOGY  2 Credit Hours
Regulations controlling the use of drugs and biologicals, classifications and mechanisms of action of pharmaceuticals, dosage calculations, labeling, packaging and dispensing of veterinary products. Lecture 2 hours weekly.
Prerequisite: BSCI 10005 and BSCI 10110 and CHEM 10052 and CHEM 10053 and HED 14020 and VTEC 10001 and VTEC 10002 and VTEC 10204; pre- or corequisite: VTEC 10205.
Schedule Type: Lecture
Contact Hours: 2 lecture
Grade Mode: Standard Letter

VTEC 20009  VETERINARY NURSING III  3 Credit Hours
Continuing nursing skills/techniques emphasizing large animal species: restraint, venipuncture, behavior, breeds, feedstuffs, food safety, meds, preventive care, surgical procedures, lameness. Lecture 2 hours, laboratory 3 hours weekly.
Prerequisite: BSCI 10110 and CHEM 10052 and CHEM 10053 and VTEC 10001 and VTEC 10002 and VTEC 10204 and VTEC 10205 and VTEC 20008; and pre- or corequisite: VTEC 10206.
Schedule Type: Laboratory, Lecture, Combined Lecture and Lab
Contact Hours: 2 lecture, 3 lab
Grade Mode: Standard Letter

VTEC 20010  IMAGING TECHNIQUES  3 Credit Hours
Principles and application of the production of X-rays, processing, radiation safety, storage, patient positioning and other imaging techniques. Lecture 2 hours, laboratory 3 hours weekly.
Prerequisite: BSCI 10005 and BSCI 10110 and CHEM 10052 and CHEM 10053 and VTEC 10001 and VTEC 10002 and VTEC 10204 and VTEC 10205 and VTEC 20008; and pre- or corequisite: VTEC 10206.
Schedule Type: Laboratory, Lecture, Combined Lecture and Lab
Contact Hours: 2 lecture, 3 lab
Grade Mode: Standard Letter

VTEC 20212  SURGERY AND ANESTHESIA  3 Credit Hours
Principles and application of the use of anesthetics, patient monitoring, dental prophylaxis, presurgery preparation, post-surgical patient care, sterilization, surgical preparation and assisting and equipment maintenance. Lecture 2 hours, laboratory 3 hours weekly.
Prerequisite: minimum grade of C (2.000) in all prerequisites; BSCI 10005 and BSCI 10110 and CHEM 10052 and CHEM 10053 and VTEC 10001 and VTEC 10002 and VTEC 10204 and VTEC 10205 and VTEC 20008; and pre- or corequisite: VTEC 10206.
Schedule Type: Laboratory, Lecture, Combined Lecture and Lab
Contact Hours: 2 lecture, 3 lab
Grade Mode: Standard Letter

VTEC 20213  NUTRITION AND DISEASE  2 Credit Hours
Principles of the disease process, disease control and prevention of common diseases of domestic animals. Nutrition principles especially for clinical diseases will be covered. Lecture 2 hours weekly.
Prerequisite: BSCI 20021 and VTEC 20009 and VTEC 20010 and VTEC 20212.
Schedule Type: Lecture
Contact Hours: 2 lecture
Grade Mode: Standard Letter
VTEC 20214  VETERINARY NURSING AND HOSPITAL PROCEDURES  
3 Credit Hours  
Nursing procedures for laboratory and animal exotic procedures;  
procedures by a veterinary technician in a hospital environment including  
office and computer application. Lecture 1 hour, laboratory 6 hours  
weekly including computer applications.  
Prerequisite: BSCI 20021 and VTEC 20009 and VTEC 20010 and  
VTEC 20212.  
Schedule Type: Laboratory, Lecture, Combined Lecture and Lab  
Contact Hours: 1 lecture, 6 lab  
Grade Mode: Standard Letter  

VTEC 20215  VETERINARY OFFICE APPLICATIONS  
1 Credit Hour  
Overview of veterinary practice management including veterinary  
medical record keeping, marketing, staff responsibilities, interoffice  
communications and public relations techniques. Automated veterinary  
office processing and record-keeping. Computer hardware and software  
commonly found in small to mid-sized veterinary practices described  
along with office procedures and work flow. Prerequisites: BSCI 10005,  
VTEC 10001, VTEC 10002, VTEC 10204  
Schedule Type: Laboratory  
Contact Hours: 3 lab  
Grade Mode: Standard Letter  

VTEC 20216  LABORATORY AND EXOTIC ANIMAL MEDICINE  
2 Credit Hours  
Introduction to laboratory medicine and management, including basic  
husbandry, common diseases, and treatment protocols for various  
laboratory animal species, pocket pets, avian and exotic species. The  
student will learn scientific names and primary use of common laboratory  
animals and will practice restraint, sexing, appropriate methods of  
venipuncture, administration of medications, and anesthetic techniques.  
Prerequisite: VTEC 10001, VTEC 10205, VTEC 10206, VTEC 20008,  
VTEC 20010, VTEC 20212.  
Schedule Type: Combined Lecture and Lab  
Contact Hours: 1 lecture, 3 lab  
Grade Mode: Standard Letter  

VTEC 20392  PRACTICUM IN VETERINARY HOSPITAL (ELR)  
5 Credit Hours  
(Repeatable for credit) Students gain practical experience in veterinary  
clinic or approved clinical site to focus on mastery of all clinical skills  
needed for this career.  
Prerequisite: BSCI 20021 and VTEC 20009 and VTEC 20010 and  
VTEC 20212.  
Corequisite: VTEC 20213 and VTEC 20214.  
Schedule Type: Practicum or Internship  
Contact Hours: 5 other  
Grade Mode: Standard Letter  
Attributes: Experiential Learning Requirement