

# 2022-2023 TTC Catalog - Veterinary Technology (VET)

---

## VET 101 - Animal Breeds and Husbandry

**Lec:** 2.0 **Lab:** 3.0 **Credit:** 3.0

### Course Offered

Fall

This course is a study of various species and breeds of domestic animals commonly encountered in veterinary medicine. Emphasis is placed on the recognition of each breed as well as important terminology and physiological data and behavior of each species of animal.

**Grade Type:** Letter Grade

**Restrictions:** Restricted to Veterinary Technology Majors

**Division:** Health Sciences

---

## VET 104 - Veterinary Anatomy and Physiology

**Lec:** 2.0 **Lab:** 3.0 **Credit:** 3.0

### Course Offered

Fall

This course provides a general survey of the functional anatomy and physiology of the domestic animals commonly encountered in veterinary medicine, including medical terminology. Dissection of representative cadavers is performed in the laboratory.

**Grade Type:** Letter Grade

**Restrictions:** Restricted to Veterinary Technology majors.

**Division:** Health Sciences

---

## VET 105 - Orientation to Veterinary Technology

**Lec:** 1.0 **Lab:** 0 **Credit:** 1.0

### Course Offered

Fall

Spring

Summer

This course is designed to explore the different job opportunities for a veterinary technician. In addition, the course exposes the veterinary technology student to key characteristics of people who are successful in this field.

**Grade Type:** Letter Grade

**Division:** Health Sciences

---

## **VET 112 - Veterinary Terminology and Calculations**

**Lec:** 2.0 **Lab:** 0 **Credit:** 2.0

### **Course Offered**

Fall

This course is a study of veterinary medical terminology and pharmacologic and therapeutic calculations for the veterinary technician.

**Grade Type:** Letter Grade

**Restrictions:** Restricted to Veterinary Technology majors.

**Division:** Health Sciences

---

## **VET 117 - Animal Nutrition**

**Lec:** 2.0 **Lab:** 0 **Credit:** 2.0

### **Course Offered**

Fall

This course exposes the student to the different nutrients and their function. Evaluating foodstuffs and exploring the role of dietary management and the use of prescription diets in small animals are covered.

### **Prerequisite**

VET 112

**Grade Type:** Letter Grade

**Division:** Humanities and Social Sciences

---

## **VET 119 - Veterinary Diagnostic Imaging and Dentistry**

**Lec:** 1.0 **Lab:** 6.0 **Credit:** 3.0

### **Course Offered**

Summer

This course explores the fundamental principles of veterinary diagnostic imaging. Emphasis is placed on the students safely acquiring diagnostic patient images using digital radiographic techniques. Advanced imaging modalities including CT, MRI, Fluoroscopy and Ultrasound are also explored. In addition, students will learn to generate diagnostic full-mouth dental radiographs and the principles and practices of veterinary dentistry will be introduced.

**Prerequisite**

VET 142

**Grade Type:** Letter Grade

**Division:** Health Sciences

---

**VET 140 - Veterinary Pharmacology**

**Lec:** 2.0 **Lab:** 0 **Credit:** 2.0

**Course Offered**

Spring

This course is the study of the principles of pharmacology and the pharmaceutical products used in veterinary medicine.

**Prerequisite**

VET 101

and

VET 104

**Corequisite**

VET 142

**Grade Type:** Letter Grade

**Division:** Health Sciences

---

**VET 142 - Veterinary Anesthesia**

**Lec:** 2.0 **Lab:** 3.0 **Credit:** 3.0

**Course Offered**

Spring

This course is the study of the principles and practical uses of anesthesia in veterinary medicine.

**Prerequisite**

VET 101

and

VET 104

**Corequisite**

VET 140

**Grade Type:** Letter Grade

**Division:** Health Sciences

---

## **VET 152 - Clinical Pathology**

**Lec:** 2.0 **Lab:** 6.0 **Credit:** 4.0

**Course Offered**

Fall

This course is a study of veterinary hematology, urology and clinical chemistry followed by application of standard laboratory procedures and regulatory testing in each of these disciplines.

**Prerequisite**

VET 216

**Grade Type:** Letter Grade

**Division:** Health Sciences

---

## **VET 160 - Clinical Techniques II**

**Lec:** 2.0 **Lab:** 3.0 **Credit:** 3.0

**Course Offered**

Spring

This course provides a survey of technical skills required by the veterinary technician with emphasis on radiographic and anesthetic procedures.

**Prerequisite**

VET 101

VET 104

**Grade Type:** Letter Grade

**Division:** Health Sciences

---

## **VET 170 - Veterinary Technician Externship**

**Lec:** 0 **Lab:** 18.0 **Credit:** 6.0

**Course Offered**

Fall  
Spring

This course provides clinical training in the veterinary field under the direct supervision of a licensed veterinarian in a veterinary facility.

**Prerequisite**

VET 250

**Grade Type:** Letter Grade

**Division:** Health Sciences

---

**VET 203 - Vet 203 Small Animal Diseases, Zoonosis and Client Education**

**Lec:** 3.0 **Lab:** 0 **Credit:** 3.0

**Course Offered**

Fall

This course provides a study of small animal diseases, including their etiology, symptoms, treatment and prevention. Emphasis is placed on the zoonotic potential of specific diseases in addition to strategies for client education.

**Prerequisite**

VET 152

and

**Grade Type:** Letter Grade

**Division:** Health Sciences

---

**VET 207 - Large Animal Clinical Practice**

**Lec:** 2.0 **Lab:** 3.0 **Credit:** 3.0

**Course Offered**

Fall

This course covers topics relevant to medical and surgical techniques of the common domestic large animal species. Topics include physical exam, restraint, sample collection, bandaging, emergency treatment, surgical and obstetrical procedures and instruments, herd health, and lameness.

**Prerequisite**

VET 240

**Grade Type:** Letter Grade

**Division:** Health Sciences

---

## **VET 216 - Veterinary Parasitology and Laboratory Animal Medicine**

**Lec:** 2.0 **Lab:** 3.0 **Credit:** 3.0

### **Course Offered**

Summer

This course is a study in animal pathology including the diagnostic laboratory skills, life cycles of parasites and both the animal and zoonotic disease related to parasitology. In addition, this course provides a study of the animals and facilities used in research procedures in medicine. The course includes equipment, aseptic technique, vivarium management, husbandry and disease prevention in laboratory animals.

### **Prerequisite**

VET 142

VET 160

**Grade Type:** Letter Grade

**Division:** Health Sciences

---

## **VET 240 - Office Management and Client Education**

**Lec:** 3.0 **Lab:** 0 **Credit:** 3.0

### **Course Offered**

Summer

This course provides a study of office management, including the use of the computer in veterinary medical facilities. The course also includes an in-depth study of veterinary ethics and client education techniques.

### **Prerequisite**

VET 160

**Grade Type:** Letter Grade

**Division:** Health Sciences

---

## **VET 250 - Clinical Techniques III**

**Lec:** 1.0 **Lab:** 6.0 **Credit:** 3.0

### **Course Offered**

Fall

This course includes a survey of technical skills required by the veterinary technician with on laboratory techniques.

**Prerequisite**

VET 142

**Grade Type:** Letter Grade

**Division:** Health Sciences

---

**VET 260 - Clinical Techniques IV**

**Lec:** 1.0 **Lab:** 6.0 **Credit:** 3.0

**Course Offered**

Spring

This course surveys the technical skills required by veterinary technicians with emphasis on medical and surgical emergencies.

**Prerequisite**

VET 250

**Grade Type:** Letter Grade

**Division:** Health Sciences

---

**VET 280 - Senior Seminar**

**Lec:** 1.0 **Lab:** 0 **Credit:** 1.0

**Course Offered**

Fall

Spring

This course allows various topics applicable to the second-year student's curriculum to be discussed in small groups. This includes, but is not limited to, issues arising from the veterinary technician externship.

**Prerequisite**

VET 170

**Grade Type:** Letter Grade

**Division:** Health Sciences

---