

## VETC 2250 ANESTHESIA AND SURGERY

3crd.

Preparation of the surgical room area and the organization of surgeries. Identification of materials, instruments, and surgical equipment. Discussion and practice of anesthesia and asepsis techniques, cleaning, and sterilization of equipment. It requires 45 lecture hours and 45 laboratory hours. Prerequisites: VETC 1100, 1120, 2201, 2202, 2213, 2220 y 2210.

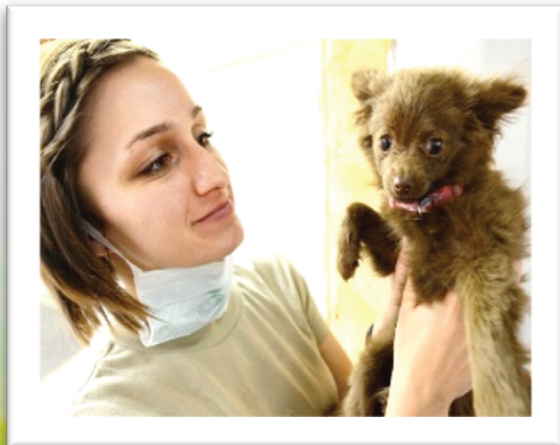
## VETC 2255 COMMON DISEASES IN DOMESTIC ANIMALS

3crds.

Description of the most important and common pathologies in domestic animals in veterinary medicine. Clinical symptoms are related to diseases and diagnostic methods are discussed. Provides the student with the ability to differentiate between diseases of the same anatomical system and identify common treatments for them. The course promotes the animal health and the prevention of the diseases discussed. Prerequisite: VETC 1100, VETC 1120, VETC 2201.

## VETC 2910 VETERINARY TECHNICIAN PRACTICE 2crds.

Experience for the acquisition, consolidation and integration of the skills and competences that correspond to the profile of the graduate's competences. 240 hours of supervised practice in the main areas of a veterinary center. Requisite: Authorization of the director or coordinator of the Program.



## FOR MORE INFORMATION

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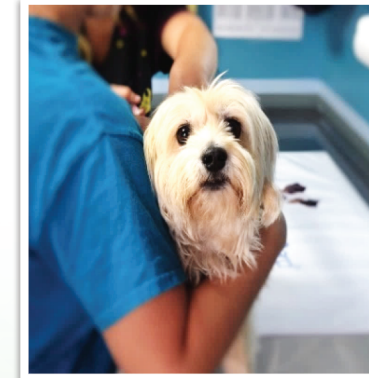
[www.guayama.inter.edu](http://www.guayama.inter.edu)

Financial aid available, if you qualify



Inter American University of Puerto Rico  
Guayama Campus

# Associate Degree in Applied Science in Veterinary Technology



Department of  
Agricultural and  
Animal Sciences

## PROGRAM DESCRIPTION

The program of Associate Degree in Applied Sciences in Veterinary Technician aims to train professionals who can assist the veterinarian in the procedures of exploration, treatment and pharmacology, prevention and diagnosis of diseases in animals. The graduate will be able to perform other tasks of assistance to domestic animals, in the emergency areas, operations room and first aid, as well as the techniques of taking images and laboratory tests. The program is designed for students who wish to work as assistants in clinics, hospitals, farms and research centers with animals or any other place where the veterinarian needs your assistance.

## ACADEMIC REQUIREMENTS

General Education Requisites	24
Core Course Requirements	8
Major Requirements	33
Total	65

24 credits are required as established in the General Catalog in the General Education Requirements section for Associate Degrees.



## DESCRIPTION OF MAJOR COURSES

### **VETC 1100 INTRODUCTION TO VETERINARY SCIENCES 2crds.**

An overview of the history of veterinary sciences and the functions of a veterinary technician. Description of the different areas of a veterinary center and of the work performed in each of them.

**2 credits**

### **VETC 1120 ANIMAL ANATOMY AND PHYSIOLOGY 3crds.**

Description of the basic elements of animal anatomy and physiology. The terminology referring to animal anatomy and physiology is studied. The dog model is mostly used, comparing it with other animals and their systems. It requires 45 hours of conference and 30 hours of face-to-face or virtual closed laboratory.

### **VETC 2200 FARM ANIMALS 3crds.**

Basic principles and concepts on health care, hygiene, first aid and maintenance of the farm's animal facilities. Attention and care of the farm animal before and after the emergency processes and surgical interventions. Prerequisite: VETC 1100 and VETC 1120. Requires 30 hours of lecture and 45 hours of face-to-face or virtual closed laboratory.

### **VETC 2201 PARASITOLOGY AND MICROBIOLOGY 3crds.**

Description and identification of morphology, taxonomy, life cycles and epidemiological aspects of parasites, fungi and other microorganisms that affect animals. Requisite: VETC 1120.

### **VETC 2202 CLINICAL LABORATORY 2crds.**

Description of the procedures for the collection, handling, conservation, and analysis of samples. Techniques commonly used in a veterinary clinical laboratory in hematology, urinalysis, chemistry, and cytology. Use of materials, equipment, and identification of alterations in the samples. Application of information for the prevention of risks, accidents, current regulations or standards and the disposal of biomedical waste. Requires 60 hours of practice. Prerequisites: VETC 1120 and VETC 2201.

### **VETC 2210 PHARMACOLOGY AND TOXICOLOGY 3crds.**

Examination of the action of drugs on biological systems, sources, chemical properties, and therapeutic uses. Fundamentals of posology and the identification of substances of a toxic nature for animal health.

### **VETC 2213 LABORATORY ANIMALS 2crds.**

Study and application of knowledge and basic skills for the management, care, common diseases, and nutrition of animals used, raised, or supplied for research purposes. In addition, a broad perspective on autopsy and euthanasia issues is presented. It is instructed in the management of exotic species and small mammals and emphasis is placed on the study of diseases and medicine of laboratory animals. Prerequisite: VETC 1100, VETC 1120, VETC 2202, and VETC 2220. Requires 60 hours of clinical practice.

### **VETC 2214 SEMINAR 1crd.**

The course seeks preparing the student to take their professional board exam. The content of the courses related to the occupation of the technician / technologist is reviewed. The responsibilities, skills, terminology, and laws that pertain to the profession are discussed. Part of the responsibilities of the veterinary technician / technologist in the administrative area of the profession will be covered. It is required to take the seminar during the last semester of the Associate in Applied Sciences in Veterinary Technician.

### **VETC 2220 VETERINARY NURSING 3crds.**

Discussion of the processes of animal caring, vital signs, restraint techniques and techniques to administer prescription drugs. Analysis of the symptoms of diseases and how to act in emergencies. It requires 45 hours of lecture and 45 hours of laboratory. Prerequisites: VETC 1100 and 1120.

### **VETC 2240 RADIOLOGY 3crd.**

Application of the fundamental concepts of the most used radiographic techniques and other diagnostic imaging techniques. Handling of equipment and personal protection. It requires 30 hours of lecture hours and 45 hours of laboratory. Prerequisites: VETC 1100, 1120, 2201, 2202, 2210, 2213 y 2220.