



VETC 2250 ANESTHESIA AND SURGERY

3crds.

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

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 disease 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. Animal health and the prevention of the diseases discussed are promoted. 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. It requires 240 hours of supervised practice in the main areas of a veterinary center. Requirement: Authorization of the director or coordinator of the Program.



**¡APPLY
TODAY!**

www.guayama.inter.edu

FOR MORE INFORMATION

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Associate Degree in

Applied Sciences in

**VETERINARY
TECHNICIAN**

Financial aid available, if you qualify



DESCRIPTION OF MAJOR COURSES

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.

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.

VETC 1120 ANIMAL ANATOMY AND PHYSIOLOGY

3crds.

Description of the basic elements of animal anatomy and physiology. Terminology regarding 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 in-person or virtual closed lab.

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. Requirement: 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 the information for the prevention of risks, accidents, regulations or current standards and the disposal of biomedical waste. Prerequisite: VETC 1100 AND VETC 1120. Requires 60 hours of clinical practice.

VETC 2210 PHARMACOLOGY AND TOXICOLOGY

33crds.

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. It requires 45 lecture hours.

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 of issues related to necropsy and euthanasia is presented. It provides instruction 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 2210, and VETC 2220. It requires 60 hours of clinical practice.

VETC 2214 SEMINAR

1crds.

The course is aimed at preparing the student to take their professional revalidation. In it, 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.

VETC 2220 VETERINARY NURSING

3crds.

Discussion of the processes of care and handling of animals, vital signs, techniques of subjection and techniques of administration of prescription drugs. Analysis of the symptoms of diseases and how to act in cases of emergency. It requires 45 lecture hours and 45 laboratory hours. Requirement: VETC 1100 y VETC 1120.

VETC 2240 RADIOLOGY

3crds.

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