

Veterinary Technology

Veterinary Technology (VETN) Classes

BIOL111G : Veterinary Anatomy and Physiology I

This course offers an in-depth study of the normal anatomy and physiology of domestic mammals with emphasis on the dog and cat. Major differences with respect to the larger domestic species are also covered. This is the first semester of a two-semester course and covers basic organization, cells, tissues, the integument, skeletal, muscular, and nervous systems. Lab work augments lecture topics and includes the study of microscope slides as well as preserved specimens and models.

Credits 4

Theory Hours 3

Lab Hours 3

Prerequisites

Admission to the Veterinary Technology program

Semester Offered

Fall semester

BIOL121G : Veterinary A&P II

This course offers an in-depth study of the normal anatomy and physiology of domestic mammals with emphasis on the dog and cat. Major differences with respect to the larger domestic species are also covered. This course is a continuation of [BIOL111G](#) and covers the endocrine, reproductive, cardiovascular, respiratory, urinary, and digestive systems. Lab work augments lecture topics and includes the study of microscope slides as well as preserved specimens and models.

Credits 4

Theory Hours 3

Lab Hours 3

Prerequisites

C+ or better in [BIOL111G](#) and [VETN110G](#)

Semester Offered

Spring semester

VETN110G : Introduction to Veterinary Technology

This course will introduce the student to the field of Veterinary Technology. Animal behavior, species and breed identification, medical terminology and occupational safety will be covered. In addition, students will get an overview of managing the reception area of a veterinary hospital including how to maintain medical records, organize inventory and dispense prescription medications. Handling various client situations will be emphasized. Ethical and legal issues in veterinary medicine will also be discussed. This course will include lecture material, class discussions and student presentations.

Credits 2

Theory Hours 2

Lab Hours 0

Prerequisites

Acceptance into the Veterinary Technology program or acceptance in the Veterinary Practice Management certificate program

Semester Offered

Fall semester

Notes

(For Veterinary Technology program).

VETN114G : Veterinary Pharmacology

This course will cover basic pharmacology for the veterinary technician with focus in private practices. It will cover basic classes of drugs with an emphasis on pharmacodynamics, client education, side effects and dosage calculations. This is the first semester of a two-semester course. Lab work will augment lecture material.

Credits 3

Theory Hours 2

Lab Hours 2

Prerequisites

C+ or better in [BIOL111G](#), and [VETN110G](#)

Corequisites

[BIOL121G](#) and [VETN121G](#)

Semester Offered

Spring semester

VETN115G : Veterinary Parasitology

This course will cover common parasites found in both companion and food animals. Life cycles, identification, prevention and treatment for endoparasites, ectoparasites and blood parasites will be presented. Diagnostic testing for these parasites will be discussed and will be performed in VETN 220G.

Credits 2

Theory Hours 2

Lab Hours 0

Prerequisites

C+ or better in [VETN 110G](#) and [BIOL 111G](#)

Semester Offered

Spring semester

VETN121G : Veterinary Clinical Methods I

Small animal medical nursing procedures are introduced. Elements include handling and restraint, aspects of the history and physical exam, specimen collection, administration of medications and treatments, diseases, nutritional supplementation, the basics of preventative health care, first aid and emergencies. The lab provides hands-on practice using models and the animal patient. This course will provide the foundation by which the student will progress to their summer clinical affiliations. This course includes a service-learning requirement to volunteer two days at spay/neuter clinics run by rescues, at veterinary clinics or at animal rescues. Instructors will choose the volunteer opportunities and will accompany the students.

Credits 4

Theory Hours 3

Lab Hours 3

Prerequisites

C+ or better in [VETN110G](#) and [BIOL111G](#)

Corequisites

[VETN114G](#) and [BIOL121G](#)

Semester Offered

Spring semester

Notes

(SL)

VETN130G : Veterinary Clinical Affiliation I

The objectives for the clinical affiliation are correlated with the basic course content of VETN 110G, 114G, 115G and 121G. The course generally follows sequential steps from basic to more complex tasks, adding components each week to enable the student to gradually function in a technical position with added skill and confidence. Physical limitations may hinder the student's ability to succeed in this course. Students will be expected to lift and restrain animals. Sufficient manual dexterity, hearing and vision are necessary to accurately perform many clinical procedures. Students will be expected to establish priorities, function effectively in emergency situations, comply with safety regulations and communicate in a professional manner.

Credits 4

Theory Hours 0

Lab Hours 24

Prerequisites

"C+" or better in [VETN110G](#), [VETN114G](#), [VETN115G](#), [VETN121G](#), [BIOL111G](#), [BIOL121G](#)

Semester Offered

Summer semester

VETN210G : Veterinary Clinical Methods II

This course is designed to provide the student with a strong background in veterinary surgical nursing and assistance. Surgical interventions, as well as sterilization, disinfection, and aseptic technique are covered. Anesthesia and monitoring the surgical patient is emphasized. Specialized clinical procedures are also covered that build on techniques learned during [VETN211G](#) and the student's Clinical Affiliation I.

Credits 4

Theory Hours 3

Lab Hours 3

Prerequisites

Complete [VETN110G](#), [VETN114G](#), [VETN121G](#) with a C+ or better and successfully complete [VETN130G](#) Clinical Affiliation I

Semester Offered

Fall semester

VETN212G : Laboratory Animal Science

This course provides students with an understanding of the principles and practices of laboratory animal science. Research methods, care and handling of laboratory animals, and legal regulations pertaining to animal welfare and research procedures are incorporated. Students also become familiar with handling, basic care, and diseases of the popular small pets including guinea pigs, rabbits, ferrets, hamsters, birds and reptiles.

Credits 3

Theory Hours 2

Lab Hours 2

Prerequisite Courses

VETN130G: Veterinary Clinical Affiliation I

Semester Offered

Fall semester

VETN214G : Veterinary Pharmacology II

This course will cover basic pharmacology for the veterinary technician with focus in private practice. It will cover basic classes of drugs with an emphasis on anesthetic, pain medications, emergency medications and pharmacodynamics.

Credits 1

Theory Hours 1

Lab Hours 0

Prerequisites

[VETN114G](#), [BIOL121G](#) and [VETN121G](#) with a C+ or better

Semester Offered

Fall semester

VETN215G : Large Animal Management

This course is designed to familiarize the student with the care, handling, and restraint of large animals commonly encountered in veterinary practice. Preventive medicine, nutritional requirements, injury and wound care, and common medical and surgical interventions in the care of equine, dairy, and other large animals are explored. Laboratory sessions provide hands-on opportunities at local dairy and horse farms.

Credits 3

Theory Hours 2

Lab Hours 2

Prerequisite Courses

VETN130G: Veterinary Clinical Affiliation I

Semester Offered

Fall semester

VETN220G : Veterinary Clinical Pathology I

This course is the first of two parts, designed to provide the student with a practical and working knowledge of diagnostic tests, and their interpretation, in the veterinary clinical pathology laboratory to diagnose common veterinary diseases. Hematology, clinical chemistry, urinalysis, parasitology, and cytology are stressed. Hands-on laboratory experience is gained in areas of hematology, blood transfusions, clinical chemistry, parasitology, urinalysis and cytology.

Credits 3

Theory Hours 2

Lab Hours 3

Prerequisites

[VETN130G](#), [CHEM110G](#) (or [CHEM115G](#)); or permission of the Instructor

Semester Offered

Fall semester

VETN221G : Veterinary Clinical Pathology II

This course is a continuation of [VETN220](#). The student will continue to develop skills utilized in the veterinary clinical laboratory. Elements of clinical microbiology, cytology, and specialized diagnostic tests are covered. Laboratory sessions focus on clinical microbiology, but also offer exposure to serology, cytology, and necropsy.

Credits 3

Theory Hours 2

Lab Hours 3

Prerequisites

C+ or better in [VETN220G](#)

Semester Offered

Spring semester

VETN222G : Veterinary Clinical Affiliation II

Veterinary Clinical Affiliation II is a continuation of VETN130G, Veterinary Clinical Affiliation I. The objective of this course is to provide the student with practical application and hands-on experience in procedures learned in VETN210G (Veterinary Clinical Methods in Surgery, Anesthesia and Dentistry), VETN 214G (Veterinary Pharmacology II), VETN 224G (Diagnostic Imaging) and VETN220G (Veterinary Clinical Pathology). This course provides supervised clinical experiences in which the learner can incorporate and build upon knowledge and increase skills and self-confidence in the veterinary technician role. Physical limitations may hinder the student's ability to succeed in this course. Students will be expected to lift and restrain animals. Sufficient manual dexterity, hearing and vision are necessary to accurately perform many clinical procedures. Students will be expected to establish priorities, function effectively in emergency situations and comply with safety regulations. Students will be expected to function effectively as a member of the veterinary clinical team and to communicate in a professional manner.

Credits 4

Theory Hours 0

Lab Hours 12

Prerequisites

C+ or better in [VETN210G](#), [VETN212G](#), [VETN 214G](#), [VETN215G](#) and [VETN220G](#)

Semester Offered

Spring semester

VETN223G : Veterinary Technician National Examination (VTNE) Preparation

Veterinary Technician National Examination (VTNE) Preparation course is designed for students who plan to take the VTNE soon after completion of the course. This course will review the veterinary technician essential skills, tasks, and knowledge base as provided by the American Veterinary Medical Association Committee on Veterinary Technician Education and Activities (AVMA CVTEA) for accredited veterinary technology programs. This course provides directed study using an online learning platform, [vettechprep.com](#) (VTP), designed to focus learning and identify knowledge gaps. Students will gain exam taking skills and self-confidence during the course.

Note: Class completion with a passing grade does not guarantee a student will pass the VTNE. As many topics as possible will be covered to help the student identify levels of competency as an aid to focus study efforts. In depth and advanced topics will NOT be covered.

Credits 2

Theory Hours 2

Lab Hours 0

Prerequisites

Enrolled in the final semester of the GBCC Veterinary Technology Program or Graduate of an AVMA-CVTEA accredited Veterinary Technology program or eligible to take the VTNE through an alternative pathway and Department Chair approval.

Semester Offered

Fall/Spring

VETN224G : Veterinary Diagnostic Imaging

This course will provide the student with an in-depth study and hands-on practice in veterinary medical radiology including radiographic exposure techniques, both traditional and digital, film processing and contrast radiography. In addition, the fields of ultrasound, CT and MRI, as used in veterinary medicine, will be introduced.

Credits 2

Theory Hours 1

Lab Hours 3

Prerequisite Courses

VETN130G: Veterinary Clinical Affiliation I

Semester Offered

Spring semester

VETN225G : Veterinary Practice Law

This course is a business law course focused on legal and ethical issues of interest to a veterinary practice. Areas of law to be considered will be Veterinary Practice Acts, controlled substance and other pharmaceutical laws, Veterinary client patient relationships, contracts and employment law. Students will be able to utilize case studies and briefs to enhance their working knowledge of these topics.

Credits 2

Theory Hours 2

Lab Hours 0

Prerequisites

Completion of [VETN110G](#), [VETN114G](#) and [VETN121G](#) with a C+ or better; or fulfill criteria required for admission to the Veterinary Practice Management Certificate

Semester Offered

Summer semester

VETN226G : Small Animal Behavior

An understanding of normal animal behavior can lead to better understanding and management of the patients in the clinical setting. Human-animal interactions can be enhanced through the use of learning theory and scientifically and humane training, restraint, and behavior modification techniques.

Credits 2

Theory Hours 2

Lab Hours 0

Prerequisites

Complete [VETN110G](#), [VETN114G](#), and [VETN121G](#) with a C+ or better or permission of Dept. Chair

Semester Offered

Summer semester

VETN227G : Veterinary Emergency Medicine

This course will delve into the area of emergency medicine and critical care of the small animal patient, reinforcing and building on material covered in the prerequisite courses (i.e. anatomy and physiology, pharmacology, nursing care, and emergency medicine).

Credits 2

Theory Hours 2

Lab Hours 0

Prerequisites

Complete [VETN110G](#), [VETN114G](#), [VETN121G](#), [BIOL111G](#) and [BIOL121G](#) with a C+ or better or permission of Dept. Chair

Semester Offered

Summer semester