Veterinary Technology (VTCH)

Courses

VTCH A101 Introduction to Veterinary Technology 1 Credit
Introduces the veterinary profession to individuals pursuing a career in the field. Introduces responsibilities and expectations as well as legal boundaries of a veterinary health care team. Emphasizes the application of professional ethics and laws in veterinary medicine and professional development.
Registration Restrictions: Admission to the Associate of Applied Science in Veterinary Technology

VTCH A102 Veterinary Medical Terminology 1 Credit
Introduces veterinary medical terminology for common clinically recognizable diseases, operations, systems, and procedures, as well as common medical abbreviations and colloquial vocabulary.
Registration Restrictions: Admission to the Associate of Applied Science in Veterinary Technology

VTCH A110 Medical Calculations for Veterinary Technicians 1 Credit
Emphasizes mathematical fundamentals necessary for a veterinary technician. Reviews basic mathematical functions and applies them to medical calculations clinically important to veterinary technicians. Focuses on medical calculations: dosages, drip rates, concentrations, and other drug administration information.
Registration Restrictions: Admission to the Associate of Applied Science in Veterinary Technology
Prerequisites: MATH A121 with a minimum grade of C or MATH A151 with a minimum grade of C or ALEKS Overall Test 1 with a score of 065 or ALEKS Overall Test 2 with a score of 065 or ALEKS Overall Test 3 with a score of 065 or ALEKS Overall Test 4 with a score of 065 or ALEKS Overall Test 5 with a score of 065.

VTCH A111 Veterinary Office Procedures and Hospital Management 3 Credits
Develops skills veterinary practices utilize in a modern veterinary facility, including communication skills for office procedures; front office procedures; client services and education; breed and species identification and considerations; and personal grooming and professional attire. Emphasizes professional development and application of ethics and law in veterinary medicine.
Registration Restrictions: Admission to the Associate of Applied Science in Veterinary Technology
Prerequisites: VTCH A101 with a minimum grade of B and VTCH A102 with a minimum grade of C.

VTCH A112 Veterinary Anatomy and Physiology 3 Credits
Covers the fundamentals of domestic animal anatomy and physiology using a systems approach with a focus on anatomical structures of clinical importance to veterinary technicians.
Registration Restrictions: Admission to the Associate of Applied Science in Veterinary Technology
Prerequisites: VTCH A102 with a minimum grade of C. Corequisites: VTCH A112L.

VTCH A112L Veterinary Anatomy and Physiology Laboratory 1 Credit
Applies a hands-on approach to learning the fundamentals of domestic animal anatomy and physiology by major organ system utilizing dissection specimens, models, experiments, and other laboratory tools and supplies as needed. Focuses on anatomical structures of clinical importance to veterinary technicians.
Registration Restrictions: Admission to the Associate of Applied Science in Veterinary Technology
Prerequisites: VTCH A102 with a minimum grade of C.
Corequisites: VTCH A112.

VTCH A113 Veterinary Nursing Skills 3 Credits
Introduces personal safety and techniques for handling and restraining dogs and cats. Discusses critical thinking and technical skills required to perform physical examination, resuscitation, medication of animals, collection of laboratory specimens, application of bandages, venipuncture, and intravenous catheter placement.
Registration Restrictions: Admission to the Associate of Applied Science in Veterinary Technology
Prerequisites: VTCH A102 with a minimum grade of C.
Corequisites: VTCH A113L.

VTCH A113L Veterinary Nursing Skills Laboratory 1 Credit
Applies personal safety and techniques for handling and restraining dogs and cats. Emphasizes critical thinking and the technical skills of physical examination, resuscitation, medication of animals, collection of laboratory specimens, application of bandages, venipuncture, and intravenous catheter placement.
Registration Restrictions: Admission to the Associate of Applied Science in Veterinary Technology
Prerequisites: VTCH A102 with a minimum grade of C.
Corequisites: VTCH A113.

VTCH A120 Pharmacology for Veterinary Technicians 2 Credits
Develops pharmaceutical skills and knowledge of common drugs and medications veterinary technicians use in the modern veterinary facility. Emphasizes classes of drugs, their use, potential side effects and contraindications, calculating drug dosages, administration and dispensation of drugs and medications, legal issues, and record keeping.
Registration Restrictions: Admission to the Associate of Applied Science in Veterinary Technology
Prerequisites: VTCH A110 with a minimum grade of C.

VTCH A121 Small Animal Medicine 3 Credits
Introduces the topics of small animal health and disease for dogs and cats. Covers preventive medicine and specific disease processes commonly encountered in veterinary practice and clinically relevant to veterinary technicians. Addresses vaccination protocols and nutrition.
Registration Restrictions: Admission to the Associate of Applied Science in Veterinary Technology
Prerequisites: VTCH A113 with a minimum grade of C.
VTCH A122 Veterinary Surgical Nursing 3 Credits
Covers nursing fundamentals used in common surgical procedures. Includes procedural management and instrument identification, care, and use. Emphasizes asepsis, surgical assistance, and patient management.
Registration Restrictions: Admission to the Associate of Applied Science in Veterinary Technology
Prerequisites: VTCH A113 with a minimum grade of C.
Corequisites: VTCH A122L.

VTCH A122L Veterinary Surgical Nursing Laboratory 1 Credit
Applies nursing fundamentals used in common surgical procedures. Includes procedural management and instrument identification, care, and use. Emphasizes asepsis, surgical assistance, and patient management.
Registration Restrictions: Admission to the Associate of Applied Science in Veterinary Technology
Prerequisites: VTCH A113L with a minimum grade of C.
Corequisites: VTCH A122.

VTCH A130 Applied Small Animal Behavior I 1 Credit
Introduces natural history and developmental behavior of dogs and cats, principles of learning theory, and practical applications to behavior modification. Applies specific behavior modification techniques to developing written client education handouts.
Registration Restrictions: Admission to the Associate of Applied Science in Veterinary Technology
Prerequisites: VTCH A121 with a minimum grade of C.

VTCH A195 Clinical Externship I 3 Credits
Provides guided learning experience in a veterinary clinical setting. Applies veterinary technology theory and skills acquired during the first year of VTCH courses.
Special Note: Requires 45 hours of work experience for each credit (135 approved hours).
Registration Restrictions: Admission to the Associate of Applied Science in Veterinary Technology
Prerequisites: VTCH A120 with a minimum grade of C and VTCH A121 with a minimum grade of C and VTCH A122 with a minimum grade of C and VTCH A122L with a minimum grade of C and VTCH A130 with a minimum grade of C and VTCH A223 with a minimum grade of C and VTCH A231 with a minimum grade of C and VTCH A232 with a minimum grade of C and VTCH A232L with a minimum grade of C and VTCH A233 with a minimum grade of C and VTCH A233L with a minimum grade of C.

VTCH A223 Veterinary Microbiology and Parasitology 3 Credits
Introduces clinical veterinary microbiology and parasitology, zoonotic diseases, and veterinary public health.
Registration Restrictions: Admission to the Associate of Applied Science in Veterinary Technology
Prerequisites: VTCH A112 with a minimum grade of C.
Corequisites: VTCH A223L.

VTCH A223L Veterinary Microbiology and Parasitology Laboratory 1 Credit
Applies the fundamentals of specimen collecting, handling, and testing in clinical veterinary microbiology and parasitology, zoonotic diseases, and veterinary public health.
Registration Restrictions: Admission to the Associate of Applied Science in Veterinary Technology
Prerequisites: VTCH A112L with a minimum grade of C.
Corequisites: VTCH A223.

VTCH A231 Veterinary Diagnostic Imaging and Dentistry 2 Credits
Introduces theory and principles of diagnostic imaging and dentistry techniques used in veterinary medicine. Discusses safe procedures for producing quality radiographs. Examines dental evaluation, diagnostics, and prophylaxis in small animals.
Registration Restrictions: Admission to the Associate of Applied Science in Veterinary Technology
Prerequisites: VTCH A121 with a minimum grade of C.
Corequisites: VTCH A231L.

VTCH A231L Veterinary Diagnostic Imaging and Dentistry Laboratory 1 Credit
Applies theories and principles of diagnostic imaging and dentistry techniques used in veterinary medicine. Uses safe procedures for producing quality radiographs. Employs learned dentistry techniques for performing dental evaluations, diagnostics and prophylaxes in small animals.
Registration Restrictions: Admission to the Associate of Applied Science in Veterinary Technology
Prerequisites: VTCH A121 with a minimum grade of C.
Corequisites: VTCH A231.

VTCH A232 Veterinary Anesthesia and Analgesia 3 Credits
Provides in-depth knowledge of anesthesia techniques, including identification and use of anesthetic-related drugs and equipment.
Registration Restrictions: Admission to the Associate of Applied Science in Veterinary Technology
Prerequisites: VTCH A122 with a minimum grade of C.
Corequisites: VTCH A232L.

VTCH A232L Veterinary Anesthesia and Analgesia Laboratory 1 Credit
Applies in-depth knowledge of anesthesia techniques, including identification and use of anesthetic-related drugs and equipment.
Registration Restrictions: Admission to the Associate of Applied Science in Veterinary Technology
Prerequisites: VTCH A122L with a minimum grade of C.
Corequisites: VTCH A232.

VTCH A233 Veterinary Clinical Pathology 3 Credits
Covers hematology, cytology, blood chemistry, serology, and urinalysis. Describes in-depth procedures for performing diagnostic tests and collecting, handling, and evaluating specimens.
Registration Restrictions: Admission to the Associate of Applied Science in Veterinary Technology
Prerequisites: VTCH A223 with a minimum grade of C.
Corequisites: VTCH A233L.
VTCH A233L Veterinary Clinical Pathology Laboratory 1 Credit
Applies concepts in hematology, cytology, blood chemistry, serology, and urinalysis.
Registration Restrictions: Admission to the Associate of Applied Science in Veterinary Technology
Prerequisites: VTCH A223L with a minimum grade of C.
Corequisites: VTCH A233.

VTCH A240 Applied Small Animal Behavior II 1 Credit
Expands on principles of animal learning theory and behavior modification techniques.
Registration Restrictions: Admission to the Associate of Applied Science in Veterinary Technology
Prerequisites: VTCH A130 with a minimum grade of C.

VTCH A241 Laboratory and Exotic Animal Medicine 2 Credits
Discusses unique husbandry issues, handling and restraining, gender determination, reproduction, nutrition, common diseases, and clinical and surgical procedures pertaining to common laboratory and exotic animal species.
Registration Restrictions: Admission to the Associate of Applied Science in Veterinary Technology
Prerequisites: VTCH A121 with a minimum grade of C.
Corequisites: VTCH A241L.

VTCH A241L Laboratory and Exotic Animal Medicine Laboratory 1 Credit
Applies techniques for care, handling, restraining, feeding, gender determination, and performing clinical and surgical procedures for common laboratory and exotic animals.
Registration Restrictions: Admission to the Associate of Applied Science in Veterinary Technology
Prerequisites: VTCH A121 with a minimum grade of C.
Corequisites: VTCH A241.

VTCH A242 Large Animal Medicine and Clinical Procedures 2 Credits
Discusses common large animal species and their unique husbandry issues, handling and restraining, reproduction, nutrition, common diseases, and clinical and surgical procedures.
Registration Restrictions: Admission to the Associate of Applied Science in Veterinary Technology
Prerequisites: VTCH A231 with a minimum grade of C.
Corequisites: VTCH A242L.

VTCH A242L Large Animal Medicine and Clinical Procedures Laboratory 1 Credit
Applies techniques for care, reproductive management, disease prevention, handling, restraining, feeding, and performing clinical and surgical procedures for common large animals.
Registration Restrictions: Admission to the Associate of Applied Science in Veterinary Technology
Prerequisites: VTCH A231L with a minimum grade of C.
Corequisites: VTCH A242.

VTCH A243 Career Success for Veterinary Technicians 1 Credit
Develops professionalism, critical thinking tools, interpersonal skills, and professional ethics for success as a veterinary technician.
Registration Restrictions: Admission to the Associate of Applied Science in Veterinary Technology
Prerequisites: VTCH A195 with a minimum grade of C.

VTCH A244 Veterinary Technician National Exam Preparation 1 Credit
Describes and applies study strategies and test-taking skills for successfully completing the Veterinary Technician Nation Exam (VTNE). Reviews applicable VTCH curricula and practice tests.
Registration Restrictions: Admission to the Associate of Applied Science in Veterinary Technology
Prerequisites: VTCH A195 with a minimum grade of C.

VTCH A295 Clinical Externship II 3 Credits
Combines veterinary clinical skills with theoretical knowledge to complete student preparation for licensure and employment opportunities after graduation.
Special Note: Requires 45 hours of work experience for each credit (135 approved hours).
Registration Restrictions: Admission to the Associate of Applied Science in Veterinary Technology
Prerequisites: VTCH A195 with a minimum grade of C.