

# AGRICULTURE: ANIMAL HEALTH TECHNOLOGY (AGHE)

**Correction:** added missing textual prerequisite 'Compliance with Work Experience regulations as designated in the College Catalog' to AGHE 83A. Corrected 08/27/2024.

## AGHE 54 Veterinary Office Procedures

**3 Units** (Degree Applicable, CSU)

Lecture: 54

**Prerequisite:** *Eligibility for ENGL 1A*

Veterinary medical records, client relations, medical terminology, filing of governmental reports, legal responsibilities of registered veterinary technicians, and veterinary medical ethics.

## AGHE 60 Medical Nursing and Animal Care

**4 Units** (Degree Applicable, CSU)

Lecture: 54 Lab: 54

**Prerequisite:** *AGHE 86 and AGHE 64 and formal admittance to the Registered Veterinary Technology Program*

**Corequisite:** *AGHE 62A (may have been taken previously)*

Animal examination for health and disease conditions in the animal hospital, including sanitation, administration of medicine, emergency treatment, therapeutic techniques, dental prophylaxis, venipuncture, electrocardiology, and application of casts, splints, and other appliances. Includes diseases both infectious and zoonotic, their causes and effects, and immunology of animals. Formal admittance to the Registered Veterinary Technology program required. Note: Students must provide documentation of up-to-date rabies vaccination series or titer prior to being enrolled, as required by BP & AP 5210 and requirements mandated by American Veterinary Medical Association. The cost for two-dose rabies vaccination is approximately \$850-\$1,050 (prices are subject to change), and both doses are required. Instructions on submitting documentation are available at <https://www.mtsac.edu/vettech/immunizations.html>. Additional information available at CDC Information ([https://www.cdc.gov/rabies/prevention/pre-exposure\\_vaccinations.html](https://www.cdc.gov/rabies/prevention/pre-exposure_vaccinations.html)) and AVMA policies (<https://www.avma.org/education/center-for-veterinary-accreditation/committee-veterinary-technician-education-activities/cvtea-accreditation-policies-and-procedures-appendix-a/>)

## AGHE 61 Animal Surgical Nursing

**4 Units** (Degree Applicable, CSU)

Lecture: 54 Lab: 54

**Prerequisite:** *AGHE 60*

Surgical preparation, surgical assistance, post-operative care, administering and monitoring anesthesia, dentistry, cardiopulmonary resuscitation (CPR), sterilization, and the maintenance of a sterile environment. Note: Students must provide documentation of up-to-date rabies vaccination series or titer prior to being enrolled, as required by BP & AP 5210 and requirements mandated by American Veterinary Medical Association. The cost for two-dose rabies vaccination is approximately \$850-\$1,050 (prices are subject to change), and both doses are required. Instructions on submitting documentation are available at <https://www.mtsac.edu/vettech/immunizations.html>. Additional information available at CDC Information ([https://www.cdc.gov/rabies/prevention/pre-exposure\\_vaccinations.html](https://www.cdc.gov/rabies/prevention/pre-exposure_vaccinations.html)) and AVMA policies (<https://www.avma.org/education/center-for-veterinary-accreditation/committee-veterinary-technician-education-activities/cvtea-accreditation-policies-and-procedures-appendix-a/>).

## AGHE 62A Clinical Pathology

**3 Units** (Degree Applicable, CSU)

Lecture: 36 Lab: 54

**Prerequisite:** *AGHE 86 and Formal Admittance to the Registered Veterinary Technology Program*

Hematology, clinical chemistries, internal parasites, immunology, serology, and vaginal cytology of domestic animals.

## AGHE 62B Clinical Pathology

**2 Units** (Degree Applicable, CSU)

Lecture: 18 Lab: 54

**Prerequisite:** *AGHE 86 and Formal Admittance to the Registered Veterinary Technology Program*

Bacteriology, clinical chemistry, urinalysis, external parasites and cytology of domestic animals.

## AGHE 64 Veterinary Pharmacology

**3 Units** (Degree Applicable, CSU)

Lecture: 54

**Prerequisite:** *AGHE 86*

Pharmaceuticals and biologics commonly used in the maintenance of animal health. Includes generic terminology, abbreviations for prescriptions, labeling requirements, state and federal laws, classification of materials, weights and measures, drug dosage flow rates, pharmacological mathematics and the metric system, side effects, and drug interactions.

## AGHE 65 Veterinary Radiography

**2 Units** (Degree Applicable, CSU)

Lecture: 18 Lab: 54

**Prerequisite:** *(AGAN 51 or ASCI 51) and AGHE 86 and AGHE 64*

Concepts and skills of veterinary positioning of canine, feline, avian, reptilian species, and livestock for radiography; processing of the radiograph; radiation safety; technique and instrumentation; contrast radiography, dental radiology and advanced imaging such as ultrasound, MRI, CT scan, nuclear isotopes scans. Emphasizes performance of x-ray procedures for the veterinary practitioner. Note: Students must provide documentation of up-to-date rabies vaccination series or titer prior to being enrolled, as required by BP & AP 5210 and requirements mandated by American Veterinary Medical Association. The cost for two-dose rabies vaccination is approximately \$850-\$1,050 (prices are subject to change), and both doses are required. Instructions on submitting documentation are available at document submission instructions. Additional information available at CDC information and AVMA accreditation policies.

## AGHE 79 Laboratory Animal Medicine and Care

**3 Units** (Degree Applicable, CSU)

Lecture: 36 Lab: 54

**Prerequisite:** *ASCI 51 or AGAN 51*

Laboratory animal medicine, care, and procedures. Rules and regulations governing laboratory animals.

**AGHE 83A Work Experience in Veterinary Technology**

**1-4 Units** (Degree Applicable, CSU)  
(May be taken for Pass/No Pass only)

Lab: 60-300

**Prerequisite:** *AGAN 51 or ASCI 51 and Compliance with Work Experience regulations as designated in the College Catalog*

This course is designed to provide Registered Veterinary Technician majors with actual on-the-job experience at an approved work station which is related to classroom instruction. A minimum of 75 paid clock hours or 60 non-paid clock hours per semester is required for each one unit of credit. It is recommended that the hours per week are equally distributed throughout the semester. Instructor approval required.

Note: Students must provide documentation of up-to-date rabies vaccination series or titer prior to being enrolled, as required by BP & AP 5210 and requirements mandated by American Veterinary Medical Association. The cost for two-dose rabies vaccination is approximately \$850-\$1,050 (prices are subject to change), and both doses are required.

Instructions on submitting documentation are available at <https://www.mtsac.edu/vettech/immunizations.html> . Additional information available at CDC Information ([https://www.cdc.gov/rabies/prevention/pre-exposure\\_vaccinations.html](https://www.cdc.gov/rabies/prevention/pre-exposure_vaccinations.html)) and AVMA policies (<https://www.avma.org/education/center-for-veterinary-accreditation/committee-veterinary-technician-education-activities/cvtea-accreditation-policies-and-procedures-appendix-a/>) .

**AGHE 84B Applied Animal Health Procedures**

**1 Unit** (Degree Applicable)

Lab: 54

**Prerequisite:** *(ASCI 51 or AGAN 51) and AGHE 64*

A field study course that emphasizes practical experience in applied clinical procedures and techniques, including treatments, preventive health care, and minor surgical procedures with school owned domestic farm animals. Experiences with animals will vary due to seasonal changes and different husbandry practices during fall and spring. Note: Students must provide documentation of up-to-date rabies vaccination series or titer prior to being enrolled, as required by BP & AP 5210 and requirements mandated by American Veterinary Medical Association. The cost for two-dose rabies vaccination is approximately \$850-\$1,050 (prices are subject to change), and both doses are required. Instructions on submitting documentation are available at document submission instructions. Additional information available at CDC information and AVMA accreditation policies.

**AGHE 85 Seminar in Registered Veterinary Technology**

**1 Unit** (Degree Applicable)

Lecture: 18

**Prerequisite:** *AGHE 60 and completion of the Registered Veterinary Technology Program.*

Prepares students for national and state veterinary technician registration examinations. Includes exposure to the types of questions encountered in registration examinations, question analysis strategies, and review of important anatomical, physiological, and nursing concepts.

**AGHE 86 Anatomy and Physiology of Domestic Animals**

**4 Units** (Degree Applicable, CSU)

Lecture: 54 Lab: 54

**Advisory:** *BIOL 1*

Analyzes the body structures and systems, comparing domestic animals commonly found in veterinary medicine. The physiology section will emphasize functions of internal organs and body systems.