

# Veterinary Technology A.A.S

## Program Description

The Veterinary Technology curriculum is a six-semester program including a four-week summer preceptorship. In order to graduate, the student must pass all of the required courses with a "C" or better and obtain an overall GPA of 2.0. The summer preceptorship involves a minimum of 160 clock-hours of on-the-job training with a practicing veterinarian.

The Veterinary Technology program prepares graduates to take the national and Oklahoma state board exams for licensure for veterinary technicians. Graduates are qualified to perform any task related to animal health care with the exception of diagnosing, prescribing treatment or performing surgery. The application and selection process for admission to the Veterinary Technology program occurs each summer. Application deadline is June 30. Each class of Veterinary Technology students begins in the fall semester of the academic year.

## Employment Information

According to the most recent American Veterinary Medicine Association survey of Veterinary Technology programs, starting salaries range from \$10,712 to \$40,000 per year (approximate average \$23,700).

## Degree Awarded

Associate in Applied Science

## For More Information

Sally Henderson, DVM, Department Head  
 Veterinary Technology  
 (405) 945-3364  
 E-Mail: flinda@osuokc.edu

David Morales, DVM, Instructor  
 Veterinary Technology  
 (405) 945-9181  
 E-Mail: damoral@osuokc.edu  
 Dana Call, RVT, VTS (ECC)  
 Staff Veterinary Technician  
 Veterinary Technology  
 (405) 945-9114  
 E-Mail: calld@osuokc.edu

Jackie McShane Meeks, RVT, Secretary  
 Veterinary Technology  
 (405) 945-6742  
 E-Mail: mcshane@osuokc.edu

Department of Veterinary Technology  
 Division of Agriculture Technologies  
 Agriculture Resource Center  
 400 N. Portland Ave.  
 Oklahoma City, OK 73107  
 (405) 945-3358  
 www.BeAVetTech.com  
 agriculture.technologies@osuokc.edu

## First Semester (Fall)

<input type="checkbox"/>	VT	1113	Breeds, Restraint and First Aid	3
<input type="checkbox"/>	VT	2403	Clinic Management	3
<input type="checkbox"/>	VT	1133	Veterinary Technical Science	3
<input type="checkbox"/>	MATH	1413	General College Math	3

or

<input type="checkbox"/>	MATH	1513	College Algebra	3
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## Second Semester (Spring)

<input type="checkbox"/>	VT	1114	VT Anatomy and Physiology I	4
<input type="checkbox"/>	VT	2213	Wild, Zoo and Lab Animal Care	3
<input type="checkbox"/>	CHEM	1104	Basic Chemistry	4

or

<input type="checkbox"/>	CHEM	1214	Chemistry I	4
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or

<input type="checkbox"/>	CHEM	1314	General Chemistry I	4
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## Third Semester (Fall)

<input type="checkbox"/>	VT	1224	VT Anatomy and Physiology II	4
<input type="checkbox"/>	VT	2223	VT Radiology	3
<input type="checkbox"/>	VT	1213	Laboratory Techniques I	3

## Fourth Semester (Spring)

<input type="checkbox"/>	VT	2123	Laboratory Techniques II	3
<input type="checkbox"/>	VT	2103	Animal Reproduction, Production and Nutrition	3
<input type="checkbox"/>	VT	2114	Clinics and Nursing	4

## Fifth Semester (Summer)

<input type="checkbox"/>	VT	2313	Preceptorship	3
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## Sixth Semester (Fall)

<input type="checkbox"/>	VT	2233	VT Pharmacology	3
<input type="checkbox"/>	VT	2404	Animal Pathology	4
<input type="checkbox"/>	VT	2442	VT Capstone	2

## Other Required Courses

<input type="checkbox"/>	ENGL	1113	Freshman Composition I-Any semester	3
<input type="checkbox"/>	ENGL	1213	Freshman Composition II-Any semester	3

or

<input type="checkbox"/>	SPCH	1113	Introduction to Speech Communication-Any semester	3
<input type="checkbox"/>	HIST	1483	U.S. History to 1965 - Any semester	3

or

<input type="checkbox"/>	HIST	1493	U.S. History since 1865 - Any semester	3
<input type="checkbox"/>	POLS	1113	American Government - Any Semester	3

## Total to Graduate

## Recommended Electives

<input type="checkbox"/>	VT	1012	Veterinary Medical Terminology	2
<input type="checkbox"/>	VT	1320	Technical Problems - Vet. Technology	2
<input type="checkbox"/>	VT	2250	Technical Problems - Vet Tech	
<input type="checkbox"/>	VT	2652	Technical Problems - Vet. Technology (Spring)	2
<input type="checkbox"/>	MCRO	2124	Introduction to Microbiology	4
<input type="checkbox"/>	HUMN	2103	Masterworks of Western Culture (Ancient)	3

or

<input type="checkbox"/>	HUMN	2203	Masterworks of Western Culture (Modern)	3
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55 Credit Hours

Date	Institution

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12 Credit Hours




67 Credit Hours


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<b>Student Name:</b>	_____
<b>CWID:</b>	_____
<b>Counselor:</b>	_____

**CHEM 1214 CHEMISTRY I (L, N)**

Beginning chemistry course recommended for students in applied sciences (including paramedical sciences). Lab: two hours per week. Lab recitation: one hour per week. Prerequisites: [R] [M] [Sci]

**CHEM 1314 GENERAL CHEMISTRY I (L, N)**

The beginning chemistry course recommended for students in basic biological sciences (including pre-medical sciences and pre-veterinary science), physical sciences and engineering. Lab: two hours per week. Lab recitation: one hour per week. Prerequisites: [R] MATH 1513 and CHEM 1104.

**MATH 1413 GENERAL COLLEGE MATHEMATICS (A)**

Topics from set theory, probability, statistics, algebra, number systems and math applications. Not preparatory for subsequent math courses. Satisfactory placement scores are required or students must have completed MATH 0213 with a grade of "C" or better. Prerequisite: [R] MATH 0213.

**MATH 1513 COLLEGE ALGEBRA (A)**

Quadratic equations, functions and graphs, inequalities, systems of equations, exponential and logarithmic function, theory of equations, sequences and the binomial formula. Satisfactory placement scores are required or students must have completed MATH 0213 with a grade of "C" or better. Prerequisite: [R] MATH 0213.

**VT 1012 VETERINARY MEDICAL TERMINOLOGY**

A systematic approach to learning the parts of veterinary terms, thereby allowing the student to understand basic medical concepts and apply critical thinking skills in determining the meaning of new medical terms. Prerequisites: Permission by Department Head and Math 0104.

**VT 1113 BREEDS, RESTRAINT AND FIRST AID**

This course is designed to introduce the student to the veterinary technician profession, the rules and regulations that govern technicians and to provide the student with an opportunity to identify breeds and breed characteristics, demonstrate appropriate restraint and administer first aid to domestic animals. Prerequisite: Acceptance to the Veterinary Technology program or VT department head approval. Additional lab fee required.

**VT 1114 VT ANATOMY AND PHYSIOLOGY I**

Beginning course in a two-semester sequence. Covers directional terminology, developmental anatomy and histology as well as gross morphology and function of skeletal and external structures in animal species. Also covers blood related concepts. Prerequisites: VT 1113 Corequisites: CHEM 1104 or 1214 or 1314. Additional lab fee required.

**VT 1133 VETERINARY TECHNICAL SCIENCE**

Provides VT discipline specific introductory chemical and biological information, utilizing veterinary industry related terminology, illustrations and applications. Prerequisite: Departmental Approval Required.

**VT 1213 LABORATORY TECHNIQUES I**

Students perform hematologic techniques and identify, classify and discuss the significance of internal and external parasites pertinent to veterinary medicine. Prerequisites: VT 1113, VT 1114. Additional lab fee required.

**VT 1224 VT ANATOMY AND PHYSIOLOGY II**

Second course in a two-semester series. Explores the structure and function of internal organs and systems in domestic animal species. Prerequisite: VT 1114. Additional lab fee required.

**VT 1321-1323 TECHNICAL PROBLEMS-VETERINARY TECHNOLOGY**

One to three credits maximum six credits. Technical problems in veterinary technology that are of particular interest to Veterinary Technology majors. Prerequisite: Department Head Approval Required.

**VT 2103 ANIMAL REPRODUCTION, NUTRITION AND PRODUCTION**

Investigates genetics, reproduction and breeding soundness examination of common domestic animals. Basic food nutrient, nutritional requirements and ration formulation will also be included. Both facets of the course will relate to production. Prerequisite: VT 1224. Additional lab fee required.

**VT 2114 CLINICS AND NURSING**

Provides instruction in reportable disease regulations, dental prophylaxis, sanitation procedures, medical records, nursing procedures, surgical prepping and assisting, dosage calculation and anesthesia. Prerequisites: VT 1113 and VT 1224. Additional lab fee required.

**VT 2123 LABORATORY TECHNIQUES II**

Students perform coagulation tests, urinalysis, ELISA tests, blood chemistries, vaginal cytology, semen evaluation and aspiration techniques for cytological exam to aid in evaluating and interpreting physiological bodily functions. Prerequisite: VT 1213. Additional lab fee required.

**VT 2213 WILD, ZOO AND LABORATORY ANIMAL CARE**

Includes breed identification, restraint, husbandry, nursing care and management of wild, zoo and laboratory animals. Also explores legal, ethical and safety issues concerning these animals. Prerequisite: VT 1113. Additional lab fee required.

**VT 2223 VT RADIOLOGY**

Course is designed to introduce the student to the various aspects of radiology, including safety, theory, positioning, making exposures and development of radiographs. Prerequisite: VT 1113. Co-requisite: VT 1224. Additional lab fee required.

**VT 2233 VT PHARMACOLOGY**

An introductory pharmacology course which includes instruction in labeling, packaging and dispensing drugs, routes of administration, dosage regimen, pharmacokinetics and classification. Prerequisites: CHEM 1104 or 1214 or 1314. Co-requisite: VT 2404.

**VT 2251-2253 TECHNICAL PROBLEMS-VETERINARY TECHNOLOGY**

One to three credits maximum six credits. Technical problems in veterinary technology that are of particular interest to Veterinary Technology majors. Prerequisite: Department Head Approval Required.

**VT 2313 SUMMER PRECEPTORSHIP**

An occupational experience afforded by cooperative effort between the student, Oklahoma State University-Oklahoma City and an approved veterinary medical practice. Prerequisite: Successful completion of the first four semesters of the Veterinary Technology degree curriculum. Prerequisite: Department head permission.

**VT 2403 VETERINARY CLINIC MANAGEMENT**

Covers basic veterinary medical office procedures, staff and client relations, human-animal bond, OSHA regulations ethics and professional conduct. Prerequisite: Acceptance to the Veterinary Technology program or VT department head approval.

**VT 2404 ANIMAL PATHOLOGY**

An introductory pathology course which includes a comprehensive overview of general pathology including immunology, toxicology and common diseases of domestic animals, including zoonotic implications and preventative measures. Prerequisites: VT 1224.

**VT 2442 VT CAPSTONE**

Emphasis is on preparation for state and national board examinations and assurance of clinical competency. Course content is tailored to the specific needs of students. Prerequisite: VT 2313 or VT department head approval. Additional lab fee required.

**VT 2651-2253 TECHNICAL PROBLEMS-VETERINARY TECHNOLOGY**

One to three credits maximum six credits. Technical problems in veterinary technology that are of particular interest to Veterinary Technology majors. Prerequisite: Department Head Approval Required.