Veterinary Technology A.A.S

Program Description

The Veterinary Technology curriculum is a six- semester program including an eight-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 320 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 April 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 $12,640 to $47,200 per year (approximate average $28,900).

Degree Awarded

Associate in Applied Science

For More Information Contact:

Department of Veterinary Technology
Division of Agriculture Technologies
Agriculture Resource Center
400 N Portland Avenue
Oklahoma City, OK 73107
405-945-6742
405-945-3358
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www.BeAVetTech.com

Faculty & Staff

David Morales, DVM, Department Head

Sally Henderson, DVM, Professor

Rachel Reeves, DVM, Instructor

Pam Crabtree, RVT, Veterinary Technician

Natalie Clawson, RVT, Veterinary Technician

Jackie McShane Meeks, RVT, Secretary

Prerequisites — **13 Credit Hours**

					Date	Institution
	MATH	1413	General College Math			
	OR			3		
	MATH	1513	College Algebra			
	VT	1012	Veterinary Medical Terminology	2		
	CHEM	1214	Chemistry I			
	OR			4		
	CHEM	1314	General Chemistry I			
	MCRO	2124	Introduction to Microbiology	4		

Technical Occupational Specialty — **44 Credit Hours**

	VT	1113	Breeds, Restraint and First Aid	3		
	VT	1114	VT Anatomy and Physiology I	4		
	VT	1213	Laboratory Techniques I	3		
	VT	1224	VT Anatomy and Physiology II	4		
	VT	2103	Animal Reproduction, Production and Nutrition	3		
	VT	2114	Clinics and Nursing	4		
	VT	2123	Laboratory Techniques II	3		
	VT	2213	Wild, Zoo and Lab Animal Care	3		
	VT	2223	VT Radiology	3		
	VT	2233	VT Pharmacology	3		
	VT	2314	Preceptorship	4		
	VT	2403	Clinic Management	3		
	VT	2404	Animal Pathology	4		

General Education Requirements

Other Required Courses — **12 Credit Hours**

	ENGL	1113	English Composition I	3		
	ENGL	1213	English Composition II			
	OR			3		
	SPCH	1113	Introduction to Speech Communication			
	HIST	1483	U.S. History to 1865			
	OR			3		
	HIST	1493	U.S. History Since 1865			
	POLS	1113	American Government	3		
	Total to Graduate			**69 Credit Hours**		

Recommended Electives

	VT	2442	Capstone-Board Exam Review	2		
	VT	1322	Technical Problems - Vet. Technology	2		

Student Name: _____
CWID: _____
Counselor: _____

Catalog 2011-2012

VETERINARY TECHNOLOGY AAS COURSE DESCRIPTIONS

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 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 2314 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-BOARD EXAM REVIEW
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 2313or VT department head approval. Additional lab fee required.