AAS DEGREE - CODE #0521

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Licensed veterinary technicians are indispensable members of the veterinary medical team, capable of providing everything from life support and surgical assistance to physical therapy and nutritional management. Our program is designed to provide you with extensive training in the theory and principles, reinforced with the hands-on technical, animal, and laboratory experience needed to prepare you for this exciting field.

ADVANTAGES

- This program has full accreditation status as granted by the American Veterinary Medical Association, Committee on Veterinary Technician Education and Activities, Education and Research Division, [1931 N. Meacham Road, Suite 100, Schaumburg, IL 60173-4360; 847-925-8070].
- Students are eligible to sit for the Veterinary Technician National Exam (VTNE), the state licensing exam for veterinary technicians. Demand for licensed veterinary technicians is strong across the country.

VETERINARY TECHNICIAN NATIONAL EXAM PERFORMANCE

VTNE Accreditation Test	July 1, 2020 – June 30, 2023
Number of first-time candidates that have taken the VTNE	60
Three year VTNE pass percentage	81.67

DIRECT ENTRY INTO BACCALAUREATE DEGREE PROGRAMS

Alfred State veterinary technology graduates may enter directly into the interdisciplinary studies BTech, the technology management BBA, or the healthcare management BTech degree program.

EXPENSES

Rabies vaccinations are required for all veterinary technology students. Textbooks are the primary annual expense, with the cost averaging $1,000 to $1,200 each year.

CONTINUING EDUCATION OPPORTUNITIES

The Alfred State veterinary technology program has an established transfer agreement with Cornell University's College of Agriculture. Students have also successfully transferred into the Purdue University BS veterinary technology program.

OCCUPATIONAL OPPORTUNITIES

- Veterinary hospitals (small animal, large animal, mixed animal, and exotic animal)
- Biomedical research institutions
- Zoological parks
- Educational institutions
- Specialized dairy calf or cow management
- Colleges of Veterinary Medicine

EMPLOYMENT STATISTICS

% Employed	% Cont Ed	% Comb E&CE	% Knowledge Rate
83%	11%	94%	75%

RELATED PROGRAMS

Agricultural Technology
Nursing

ENTRANCE REQUIREMENTS/RECOMMENDATIONS

Required: Algebra, Geometry, Algebra 2, Biology (Living Environment), and two additional Science courses (at least one science course must have a laboratory component).

Recommended: Chemistry, Physics

CERTIFICATION OR LICENSURE

The veterinary technology program at Alfred State is a two-year educational course of study leading to an Associate in Applied Science degree and students are eligible to sit for the Veterinary Technology National Exam (VTNE). The VTNE is the New York State licensing exam for veterinary technicians. The demand for graduate-licensed or license-eligible veterinary technicians is strong across the country.

REQUIRED COURSE PREREQUISITES

If students do not place into MATH 1033, College Algebra, then MATH 1014, Algebra Concepts, is a required prerequisite for completion of the major.

OFFICE OF ACCESSIBILITY SERVICES

Students who believe they need a reasonable accommodation to properly participate in this program may contact Melanie Ryan in the Office of Accessibility Services. This office may be contacted by email at oas@alfredstate.edu or by phone at 607-587-4506. Please keep in mind that some accommodations may take time to implement, so students seeking accommodations are encouraged to contact OAS as early as possible.

Veterinary Technology - AAS Degree

TYPICAL FOUR-SEMESTER PROGRAM

First			
VETS	1203	Intro to Veterinary Technology	3
VETS	1214	Anatmy & Physlgy of Animals I	4
CHEM	1114	General Chemistry I	4
		OR	4
ANSC	1204	Introduction to Animal Science	4
MATH	xxxx	Quantitative Reasoning, College Algebra, or Higher	3
GLST	2113	Global & Diverse Perspectives	3
			17
Second			
VETS	2014	Anatmy & Physlgy of Animals II	4
VETS	3013	Animal Parasitology	3
VETS	3003	Animal Health Care	3
VETS	3204	Farm Animal Management	4
		OR	4
CHEM	1114	General Chemistry I	4
COMP	1503	Writing Studies	3
			17
Third			
VETS	3023	Radiography	3
VETS	4103	Laboratory Animal and Exotics	3
BIOL	5254	Principles of Microbiology	4
VETS	3103	Patho & Pharm of An. Disease I	3
VETS	3022	Anesthesia & Surgical Nsg I	2
VETS	3301	Veterinary Technology Precept.	1
			16
Fourth			
VETS	3004	Anesthesia & Surgical Nurs II	4
VETS	3024	Clinical Laboratory Techniques	4
VETS	4403	Veterinary Practice Essentials	3
VETS	4203	Patho & Pharm of An. Disease 2	3
SPCH	1083	Public Speaking	3
			17
Technical Electives			
CHEM	2124	General Chemistry II	4
BIOL	6534	Genetics	4
ANSC	3223	Dairy Calf Management	3
ANSC	3203	Dairy Cattle Production I	3
ANSC	3204	Dairy Cattle Production III	4
ANSC	2102	Dairy Cattle Reprod & A.I Tech	2
ANSC	3003	Feeds and Nutrition	3
ANSC	3103	Livestock Mgmt & Production	3
BIOL	1104	General Biology I	4
BIOL	2204	General Biology II	4
MATH	1054	Precalculus	4
MATH	1084	Calculus I	4
MATH	1123	Statistics I	3
VETS	3022	Anesthesia & Surgical Nsg I	2
VETS	4202	Small Animal Nutrition	2

Preceptorship* of 240 hours, either during summer or semester break after successful completion of second semester course requirements. Preceptorship hours can be fulfilled through part-time employment at an appropriate facility.

In order to progress in the veterinary technology program, students must earn a “C” or better in each required veterinary technology course, with the exception of VETS 1214 Animal Anatomy and Physiology I, which requires a minimum of a "D" to pass the course. Students receiving an "F" in two or more required courses will be required to change majors.

ASEP students must earn a "C" or better in the Introduction to Veterinary Technology course and the Domestic Animal Anatomy and Physiology course in order to progress to the next level of core veterinary courses.

Be advised that a prior felony conviction may impede a student's ability to participate in an internship.

GRADUATION REQUIREMENTS*

Students must:

- Successfully complete the prescribed sequence of courses.
- Achieve a minimum of 2.0 in their core courses and a minimum of 2.0 overall.
- Be recommended by the department faculty.
- Complete the 240-hour preceptorship.

*The 240-hour preceptorship is a program requirement and a graduation requirement.

The Admissions and Performance Standards discussed in the following paragraphs define performance expectations that must be met for successful completion of the veterinary technology program at Alfred State. It is the policy of Alfred State to provide reasonable accommodations for those with disabilities as defined under the Americans with Disabilities Act. If you need an accommodation due to a disability under the Americans with Disabilities Act, please contact the Student Success Center office at 607-587-4122. Some accommodations may require up to six weeks to prepare. For progression in the veterinary technology program, students are expected to meet the following performance standards:

		Some Examples of Necessary Activities (not all-inclusive)
Critical Thinking	Critical thinking sufficient for clinical judgment.	Identify cause-effect relationships in clinical situations. Develop nursing care plans. Demonstrate problem-solving skills. Adapt to stressful situations.
Interpersonal	Interpersonal abilities sufficient to interact with patients, clients, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds.	Establish rapport with patients/ clients and colleagues. Recognize appropriate boundaries in relationships with patients/clients and colleagues.
Communication	Communication abilities for interaction with others orally and in writing.	Explain treatment procedures, initiate health teaching, document and interpret nursing actions and patient/client responses. Team-building skills.
Mobility	Physical abilities sufficient to move from room to room, maneuver in small spaces, and provide assistance to patients.	Move around in patient and treatment areas. Administer CPR. Provide physical assistance to clients and colleagues to ensure safety within the environment. Ability to prevent or escape injury caused by animals (e.g., biting, kicking, stampeding)
Motor Skills	Gross and fine motor abilities sufficient to provide safe, effective nursing care in a timely manner.	Use of instruments, supplies, safety devices, and communication equipment in the care of patients. Performance of nursing care, surgical assistance, and laboratory techniques.
Hearing	Auditory ability sufficient to monitor and assess health needs.	Auditory ability sufficient to hear ausculatory sounds, monitor alarms, and monitor and assess health emergency signals and cries for help. Hear needs/warning sounds from animals and humans of impending danger/injury.
Visual	Visual ability sufficient for observation and assessment necessary in nursing care.	Observe patients for expected and unexpected physical and emotional responses to nursing and medical treatment regimens. Use of diagnostic equipment such as a microscope, thermometer, refractometer, etc.
Tactile	Tactile ability sufficient for physical assessment and performance of nursing duties in a timely manner.	Perform palpation functions of physical exam. Administer oral, intramuscular, subcutaneous, and intravenous medications. Insert and remove tubes and perform wound care management. Surgical assistance.
Physical Condition	Physical ability and stamina sufficient to restrain, lift, and assist in the care of a variety of species of animals. Ability to stand for extended periods of time. Ability to withstand extreme weather conditions. Immune system competence.	Safely lift, position, and restrain animals and supplies for treatment. Surgical assistance. Daily clinical routine. Year-round treatment and care of outdoor animals. Exposure to a wide range of chemical and biological agents.