

**Course Offerings:  
Associate of Applied Science  
Veterinary Technology**

<b>Course Number</b>	<b>Name</b>	<b>Credits</b>
<b><u>Required Courses in Major:</u></b>		
<b><u>Fall Semester, First Year</u></b>		
*VETT-101	Animal Health Careers	1-0-1
*VETT-102	Veterinary Office Procedures & Hospital Management	2-0-2
*VETT-103	Veterinary Medical Terminology	2-0-2
*VETT-105	Animal Anatomy & Physiology	3-0-3
*VETT-106	Animal Anatomy & Physiology Laboratory	0-3-1
*VETT-121	Animal Nursing Skills I	1-3-2
*VETT-125	Pharmacology for Veterinary Technicians	2-0-2
<b><u>Spring Semester, First Year</u></b>		
*VETT-131	Surgical Nursing for Veterinary Technicians	1-3-2
*VETT-135	Clinical Pathology I	3-0-3
*VETT-136	Clinical Pathology I Laboratory	0-3-1
*VETT-141	Anesthesia for Veterinary Technicians	2-0-2
*VETT-145	Radiology for Veterinary Technicians	2-0-2
	Radiology for Veterinary	
	2-0-2	
<b><u>Summer Semester, First Year</u></b>		
*VETT127	Veterinary Technology Dentistry Technique	1-0-1
*VETT-157	Clinical Externship I	0-12-2
<b><u>Fall Semester, Second Year</u></b>		
*VETT-207	Avian and Exotic Animal Medicine	1-0-1
*VETT-205	Small Animal Medicine	3-0-3
*VETT-227	Clinical Externship II	0-12-2

*VETT-235	Clinical Pathology II	1-3-2
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**Spring Semester, Second Year**

*VETT221	Animal Nursing Skills II	1-3-2
*VETT-211	Laboratory Animal Medicine and Nursing	2-0-2
*VETT-241	Large Animal Medicine and Nursing	3-3-3
*VETT-251	Veterinary Technology Trends	2-0-2

**Pre-Requisite General Education Courses :**

ENGL-101	English Composition I	3-0-3
Or		
ENGL-110	Intensive English Composition	5-0-5
MATH-120	Mathematics Survey with Application	3-0-3

\*Please note if a student is interested in transferring to a 4 year program, he or she should take Math 130 as Math 120 will not transfer.

BIOL-141	General Biology I	3-0-3
BIOL-143	General Biology I Laboratory	0-3-1

**Required Related Courses (to be taken during the Program):**

PSYC-127	General Psychology	3-0-3
BIOL-212	Microbiology Laboratory	0-3-1
BIOL-210	Microbiology	3-0-3
SPCH-130	Fundamentals of Speech Communication	3-0-3

**Total: 65 hours**

## **VETERINARY TECHNOLOGY**

**Jefferson Campus:**

Jennifer Limon EdD, RVT, Program Director and Professor  
 RachelAnn Harb, Clinical Coordinator and Instructor

<b>VETT-101</b>	<b>Animal Health Careers</b>	<b>1-0-1</b>
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Introduction to careers involving animals. This course will give the student information on the various career opportunities available in the animal health field. Careers to be

discussed include: veterinarian, veterinary technician, zoo work, kennel management, other canine careers, equine careers, governmental and research careers, and business opportunities.

**VETT-102    Veterinary Office Procedures & Hospital Management            2-0-2**  
Skills needed in the management of veterinary facilities, including development of skills working with people, team approach to problem-solving, veterinary computer applications, ethics in veterinary medicine, appointment scheduling, and record keeping.

**VETT-103    Veterinary Medical Terminology    2-0-2**  
Veterinary Medical Terminology is the professional language used by the people who are involved in the veterinary field. The student will be given a brief history of the origin and derivatives of medical terms. This will be followed by the systematic break-up of the terms into their component parts – word roots, suffixes, prefixes, and combining vowels.

- VETT-105 Animal Anatomy & Physiology 3-0-3**  
Basic fundamentals of anatomy & physiology of domestic animals are covered, with emphasis on dogs and cats. Focus is on anatomical structures of clinical importance to Veterinary Technicians. Course includes veterinary medical terminology to assist the student in communicating with the professional staff at a veterinary facility.
- VETT-106 Animal Anatomy & Physiology Laboratory 0-3-1**  
Provides the student with techniques involved in anatomic dissection. Structures studied are related back to the live animal.
- VETT-121 Animal Nursing Skills I 1-3-2**  
Introduction to the proper handling and restraint techniques of dogs and cats, including the fundamentals of personal safety when handling animals. The study of the technical skills required to perform physical examinations, medicate animals, collect laboratory samples, perform bandaging, and place catheters.
- VETT-125 Pharmacology for Veterinary Technicians 2-0-2**  
Study of drugs and medical substances used clinically in veterinary medicine. The mathematics of dosage and formulation is also covered.
- VETT-127 1-0-1**  
Acquaints the student with proper dentistry techniques of dogs, cats, and other species. Topics include dental prophylaxis, charting, client education, radiology, PPE, and other techniques.
- VETT-131 Surgical Nursing for Veterinary Technicians 1-3-2**  
Fundamentals of asepsis. Topics include instrument identification, as well as preparation of the surgical suite, the surgical pack, and supplies, the patient and the surgical assistant. Dental procedures are also covered.
- VETT-135 Clinical Pathology I 3-0-3**  
Basic fundamentals of hematology, urinalysis, and parasitology are covered. Emphasis is placed on testing procedures, clinical significance of the tests, and quality control on performing the tests. Parasite life cycles are covered with the focus on client education.
- VETT-136 Clinical Pathology I Laboratory 0-3-1**  
Laboratory techniques of hematology, urinalysis, and parasitology are practiced. Emphasis is placed on the most commonly requested laboratory tests.
- VETT-141 Anesthesia for Veterinary Technicians 2-0-2**  
Fundamentals of anesthesia safety and efficacy are taught. Emphasis is on small animal anesthesia. Anesthetic monitoring, post-anesthetic care, pain management, and emergency procedures are also covered.
- VETT-145 Radiology for Veterinary Technicians 2-0-2**  
Fundamentals of taking quality radiographs while following safe radiological procedures. Alternative imaging technologies are also discussed.

- VETT-157 Clinical Externship I** **0-12-2**  
Supervised clinical experience in a small animal facility.
- VETT-205 Small Animal Medicine** **3-0-3**  
Study of the common diseases of the dog and the cat. Emphasis is placed on diagnostic tests, treatment protocols, client education, disease prevention, nutrition and wellness. Common vaccinations and vaccine protocol are discussed, as well as zoonotic diseases and health hazards in a veterinary facility. Breeds of dogs and cats are covered.
- VETT-207 Avian and Exotic Animal Medicine** **1-0-1**  
A course designed to cover avian and exotic animal husbandry, handling, nursing skills, disease, and other required topics including but not limited to avian, rodents, rabbits, reptiles, amphibians, ferrets, and other required exotic species that are kept as pets.
- VETT-211 Laboratory Animal Medicine and Nursing** **2-0-2**  
Overview of principles and practices employed in animal research facilities. Husbandry techniques and ethical treatment of animals is also covered. The common laboratory species are discussed not only as laboratory animals but also as “pocket pets” seen in veterinary practices. The common laboratory animal species discussed include: rats, mice, gerbils, hamsters, guinea pigs, and rabbits. Breeds of each species are also covered.
- VETT-221 Animal Nursing Skills II** **1-3-2**  
Supervised clinical training in radiology, emergency care, anesthesia of animals, surgery and operating room techniques, and post-operative nursing care. Students will be responsible for an x-ray portfolio, anesthesia experiences, and daily patient care in the recovery area.
- VETT-227 Clinical Externship II** **0-12-2**  
Supervised clinical experience in a small animal facility.
- VETT-235 Clinical Pathology II** **1-3-2**  
Clinical chemistry tests, cytology, immunology, and endocrine testing are covered. This course is cumulative in nature, as students will apply previously learned procedures such as hematology, urinalysis, and parasitology testing.
- VETT-241 Large Animal Medicine and Nursing** **3-3-3**  
Fundamentals of large animal husbandry and basic techniques of sample collection and nursing care of large animal species. Techniques will include venipuncture, injections, and administration of oral medications. Common diseases of the horse and other large animal species are covered. Herd health management, preventive medicine, common vaccinations, parasite control programs, and breeds of large animal species are also covered.

**VETT-251 Veterinary Technology Trends 2-0-2**  
New or current topics of interest in veterinary technology covered, including technology changes in veterinary practice, emergency medicine, avian and exotic pet medicine, and animal behavior. Future trends and specialization are also discussed.

**Prerequisite Courses:**

**ENGL-101 English Composition I 3-0-3**  
Introductory course in essay writing with emphasis on expository prose. Prerequisite: Completion of Developmental Composition or ESLN, Placement Test score of 8, or ACT of 20. Students should complete developmental reading requirement prior to taking ENGL-101.

Or

**ENGL-110 Intensive English Composition I 5-0-5**  
Introduces students to the critical thinking, reading, writing and rhetorical skills required in the college/university and beyond, including citation and documentation, essay writing as a process, and audience awareness. In addition, this course provides an intensive grammar review

**MATH-120 Mathematics Survey with Applications 3-0-3**  
Introduction to sets and logic; the real number system; elementary topics in algebra; probability and statistics; and computers with emphasis on applications.  
Prerequisite: "C" or better in MATH 096 or a score of 26-32 on the Delgado Placement Test or an Enhanced ACT score of 20-21.

\*Please note this course will not transfer to a 4 year program. A student would need to take Math 130 if he or she is interested in transferring to a Bachelor degree program.

**BIOL-141 General Biology I 3-0-3**  
Biochemistry, cell biology, cellular metabolism, genetics, molecular biology, evolution, and tissue structure. For general science and health science majors. First of two lecture courses covering the biological sciences. Students are strongly encouraged to take BIOL-143 during the same semester.

**BIOL-143 General Biology I Laboratory 0-3-1**  
Use of the microscope, study of cell and tissue osmosis, diffusion, genetics, photosynthesis, respiration, plant anatomy, and vertebrate anatomy. Dissection required. Students are strongly encouraged to take BIOL-141 during the same semester.

## **Required Related Courses:**

### **PSYC-127 General Psychology 3-0-3**

History and methodology of psychology, biological basis of behavior, perception, memory, learning, motivation, human development, personality, abnormal behavior, and social psychology.

### **BIOL-210 Microbiology 3-0-3**

Emphasizes human pathogens. Includes the prokaryotic cell, bacterial growth and reproduction, bacterial metabolism, bacterial genetics, and antimicrobial drugs. (For general science and health science majors.) No credit for both BIOL-210 and BIOL-211. Prerequisite: BIOL-141 and BIOL-143 or equivalent; or a composite ACT score of 22 or higher and passed biology in high school with a grade of "B" or better; or passing score on the Biology Placement Exam. Students are strongly encouraged to take BIOL-212 during the same semester.

### **BIOL-212 Microbiology Laboratory 0-3-1**

Taxonomy of microorganisms, bacterial morphology and staining techniques, culture methods, identification of unknown bacteria using morphological techniques. Prerequisites BIOL-141 and BIOL-143 or equivalent; or BIOL-161 and BIOL-163; or a composite ACT score of 22 or higher and passed biology in high school with a grade of "B" or higher; or passing score on the Biology Placement Exam. Students are strongly encouraged to take BIOL-210 or BIOL-211 during the same semester.

### **SPCH-130 Fundamentals of Speech Communication 3-0-3**

An overview of speech communication, including aspects of communication theory, interpersonal communication, small group communication, organizational communication (interviewing), and public speaking. Prerequisite: Eligibility for ENGL-101 or permission of the instructor.

## **Program Mission Statement:**

The mission statement of the Veterinary Technology Program here at Delgado Community College is to develop Registered Veterinary Technicians that have both **excellent** "technical" skills as well as **excellent** "people" skills.

## **Program Goals to Support the Mission Statement:**

- Teach an attitude of **personal student ownership** of their education.
- Teach an attitude of **excellence**.
- Teach an attitude of **teamwork**.

- Teach an attitude of professionalism.
- Teach the difference between fundamentals (principles) and techniques (style).
- Teach client education fundamentals wherever applicable.
- Teach preventative health principles wherever applicable.
- Teach a respect for animal owners, as well as their animals.
- Teach technical skills with all of the latest technology and techniques of modern veterinary practices.
- Prepare students for the Veterinary Technician National Examination (VTNE) given upon graduation.