

# VETERINARY TECHNOLOGY

## Associate of Applied Science Degree

Health Sciences Pathway- at Lowry  
 CCD.edu/Vet-Tech

### Veterinary Technology

Community College of Denver offers one of the most respected veterinary technology programs in the state. The Associate of Applied Science (A.A.S.) in veterinary technology prepares you to practice as a professional veterinary technician. The full-time or part-time curriculum is a blend of academic and clinical coursework that requires attention to detail, motivation and the ability to complete tasks within a specified time frame. You are encouraged to be self-directed in your learning and to establish high standards of professional and personal excellence. Successful completion of the prerequisite courses and the full veterinary technology curriculum results in an A.A.S. degree in veterinary technology.

Graduates are eligible to take the Veterinary Technician National Examination and have been able to rapidly find placement in the veterinary healthcare community. Veterinary technicians are paraprofessional members of a veterinary team, assisting a doctor of veterinary medicine. Veterinary technicians perform a variety of tasks, including preparing examination rooms and surgery suites, holding and restraining animals during the exam and/or treatment, collecting specimens, performing routine laboratory procedures, taking diagnostic X-rays, administering medication or treatments, assisting in surgery, performing office skills, maintaining inventory of supplies and assisting with client education.

Career opportunities for veterinary technicians are available in a variety of settings, including private veterinary practices, research laboratories, kennels, zoos, and local, state and federal agencies. These experiences can lead to other job opportunities such as sales, animal hospital administration, teaching in a veterinary technology program and animal advocacy.

### PROGRAM ADMISSION REQUIREMENTS

For admission requirements and application, visit CCD.edu/Vet-Tech.

### PREREQUISITES

Code	Title	Credits
BIO 1111	GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1 <sup>1</sup>	5
MAT 1120	Math for Clinical Calculations (or higher)	3
Choose One Composition Course		3
ENG 1021	English Composition I: GT-CO1	
ENG 1031	Technical Writing I: GT-CO1	
<b>Total Credits</b>		<b>11</b>

### 2 Year Track Cohort plan

#### COURSE MAP

Course	Title	Credits
<b>First Semester</b>		
VET 1002	Veterinary Medical Terminology	1
VET 1008	Introduction to Laboratory Procedures	3
VET 1016	Humane Treatment and Handling of Animals	3
VET 1020	Office Procedures and Relations	2
VET 2005	Veterinary Anatomy and Physiology I	4
<b>Subtotal</b>		<b>13</b>
<b>Second Semester</b>		
VET 1206	Exotic Animal Handling	2
VET 1015	Surgical Nursing	2
VET 1072	First Year Clinical Rotation	1
VET 1082	Internship	2
VET 2023	Introduction to Anesthesia	1
VET 2006	Veterinary Anatomy and Physiology II	4
VET 2024	Pharmacology for Veterinary Technicians	3
<b>Subtotal</b>		<b>15</b>
<b>Third Semester</b>		
COM 1150	Public Speaking	3

VET 1034	Diagnostic Imaging	2
VET 2080	Diagnostic Imaging Internship	1
VET 2043	Veterinary Diagnostic Microbiology	3
Choose One Elective		3
PSY 1001	General Psychology I: GT-SS3	
SOC 1001	Introduction to Sociology I: GT-SS3	

**Subtotal 12**

### Fourth Semester

VET 2025	Anesthesiology	3
VET 2027	Animal Nutrition	2
VET 1241	Clinical Laboratory Procedures	4
VET 2081	Internship II	3

**Subtotal 12**

### Fifth Semester

VET 2032	Veterinary Dentistry	1
VET 2038	Small Animal Nursing	2
VET 2039	Large Animal Nursing	2
VET 2042	Veterinary Critical Care	2
VET 2050	Clinical Competency Evaluation	1
VET 2082	Internship III	4

**Subtotal 12**

**Total Credits 64**

### TOTAL CREDIT HOURS COMPLETED FOR THE DEGREE: 75 CREDIT HOURS

<sup>1</sup> BIO 1111 is 5 credit hours at Community College of Denver, however a 4 credit hour transfer course in an equivalent biology course is allowed.

### Pre-Requisites

Code	Title	Credits
BIO 1111	GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1	5
Choose One English Course		3
ENG 1021	English Composition I: GT-CO1	
ENG 1031	Technical Writing I: GT-CO1	
MAT 1120	Math for Clinical Calculations (or higher)	3

### 3 Year Track Cohort plan

#### Course Map

First Semester- Spring

Code	Title	Credits
VET 1002	Veterinary Medical Terminology	1
VET 1016	Humane Treatment and Handling of Animals	3
VET 2005	Veterinary Anatomy and Physiology I	4
*VET 1020	Office Procedures and Relations	2

\*VET 1020 must be completed prior to moving into spring semester of the 2nd year. This course can be taken during fall or spring of the first year.

Second Semester- Summer

Code	Title	Credits
VET 1008	Introduction to Laboratory Procedures	3
COM 1150	Public Speaking (can be taken any semester)	3
Choose One Elective Course		3
PSY 1001	General Psychology I: GT-SS3	
SOC 1001	Introduction to Sociology I: GT-SS3	

Third Semester- Fall

Code	Title	Credits
VET 2006	Veterinary Anatomy and Physiology II	4
VET 1072	First Year Clinical Rotation	1
VET 1082	Internship	2

\*VET 1020 must be completed prior to moving into spring semester of the 2nd year. This course can be taken during fall or spring of the first year.

Fourth Semester- Spring

Code	Title	Credits
VET 2024	Pharmacology for Veterinary Technicians	3
VET 1206	Exotic Animal Handling	2
VET 1015	Surgical Nursing	2

Fifth Semester- Summer

Code	Title	Credits
VET 2043	Veterinary Diagnostic Microbiology	3
VET 2080	Diagnostic Imaging Internship	1
VET 1034	Diagnostic Imaging	2

Sixth Semester- Fall

Code	Title	Credits
VET 2027	Animal Nutrition	2
VET 1241	Clinical Laboratory Procedures	4
VET 2023	Introduction to Anesthesia	1
VET 2081	Internship II	3

Seventh Semester- Spring

Code	Title	Credits
VET 2082	Internship III	4
VET 2025	Anesthesiology	3
VET 2032	Veterinary Dentistry	1

Eight Semester- Summer

Code	Title	Credits
VET 1034	Diagnostic Imaging	2
VET 2080	Diagnostic Imaging Internship	1
VET 2043	Veterinary Diagnostic Microbiology	3

Ninth Semester- Fall

Code	Title	Credits
VET 2042	Veterinary Critical Care	2
VET 2038	Small Animal Nursing	2
VET 2039	Large Animal Nursing	2
VET 2050	Clinical Competency Evaluation	1

**Total credit hours completed for the degree: 73-74**

**Veterinary Technology Apprenticeship Track**

The apprenticeship program is a collaboration between the college, employer, and the US department of Labor. In addition to an AAS degree and Veterinary Technician National Exam eligibility, all program completers receive a nationally recognized certificate from the US Department of Labor. The program begins in the fall semester and runs continuously for five semesters, including two Winterim terms and one Maymester term for 21 months of continual study. Traditional college breaks do not occur with the apprenticeship program and time off follows the policy of each individual employer.

**Pre-requisites:**

Code	Title	Credits
BIO 1111	GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1	4
Choose One English Course		3
ENG 1021	English Composition I: GT-CO1	
ENG 1031	Technical Writing I: GT-CO1	
MAT 1120	Math for Clinical Calculations	3
Or higher		

Course	Title	Credits
<b>First Year</b>		
First Semester (Fall):		
VET 1002	Veterinary Medical Terminology	1
VET 1016	Humane Treatment and Handling of Animals	3
VET 1008	Introduction to Laboratory Procedures	3
VET 2005	Veterinary Anatomy and Physiology I	4
Winterim Term #1:		
VET 1020	Office Procedures and Relations	2
Second Semester (Spring):		
VET 1015	Surgical Nursing	2
VET 2024	Pharmacology for Veterinary Technicians	3
VET 2006	Veterinary Anatomy and Physiology II	4
VET 1072	First Year Clinical Rotation	1
VET 1082	Internship	2
Maymester Term:		
VET 1034	Diagnostic Imaging	2
VET 2080	Diagnostic Imaging Internship	1
<b>Subtotal</b>		<b>28</b>
<b>Second Year</b>		
Third Semester (Summer):		
VET 2027	Animal Nutrition	2
VET 2081	Internship II	3
VET 2023	Introduction to Anesthesia	1
COM 1150	Public Speaking	3
PSY 1001	General Psychology I: GT-SS3 <sup>1</sup>	3
Fourth Semester (Fall):		
VET 2025	Anesthesiology	3
VET 1206	Exotic Animal Handling	2
VET 1241	Clinical Laboratory Procedures	4
VET 2043	Veterinary Diagnostic Microbiology	3
Winterim Term #2:		
VET 2032	Veterinary Dentistry	1
Fifth Semester (Spring):		
VET 2038	Small Animal Nursing	2
VET 2039	Large Animal Nursing	2
VET 2042	Veterinary Critical Care	2
VET 2050	Clinical Competency Evaluation	1
VET 2082	Internship III	4
<b>Subtotal</b>		<b>36</b>
<b>Total Credits</b>		<b>64</b>

<sup>1</sup> Choice of PSY 1001 General Psychology or SOC 1001 Introduction to Sociology.

**Total Credit Hours Completed For the Degree: 74-75 Credits**

**Certificates**

*Health Sciences Pathway- at Lowry*  
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**Veterinary Technology Assistant**

The veterinary technology certificate is ideal for those seeking an introduction to veterinary medicine with a limited investment of time and money. The one-semester certificate program is a blend of academic and clinical coursework. As a veterinary technician assistant, you will support veterinary technicians and veterinarians. Veterinary technician assistants perform a variety of tasks, including preparing examination rooms and surgery suites, holding and restraining animals during the exam and/or treatment, collecting specimens, performing routine laboratory procedures, taking diagnostic X-rays, administering medication or treatments, assisting in surgery, performing office skills, maintaining inventory of supplies and assisting with client education.

Career opportunities for veterinary technician assistants are available in a variety of settings, including private veterinary practices, research laboratories, kennels, zoos, and local, state and federal agencies. These

experiences can lead to other job opportunities such as sales, animal hospital administration.

#### PROGRAM ADMISSION REQUIREMENTS

For admission requirements and application, visit [CCD.edu/Vet-Tech](http://CCD.edu/Vet-Tech).

All courses must be completed with a grade of C or better prior to graduation.

#### COURSE MAP

Code	Title	Credits
VET 1002	Veterinary Medical Terminology	1
VET 1020	Office Procedures and Relations	2
VET 1009	Applied Comprehension Animal Behavior	3
VET 1003	Veterinary Assistant Restraint and Handling	2
VET 1004	Assistant Large Animal Nursing	1
VET 1017	Veterinary Assistant Surgery and Nursing Care	2
VET 1014	Vet Assist Lab & Clinical Procedures	3
VET 1083	Internship	2
<b>Total Credits</b>		<b>16</b>