### Third Semester – Spring
- RES 111 Pathophysiology 2
- RES 140 Introduction to Mechanical Ventilation 2
- RES 161 Clinical II 4
- RES 243 Mechanical Ventilation II 2
- RES 247 Advanced Respiratory Pharmacology 2

**Total 12**

### Fourth Semester – Summer
- CPT 101 Introduction to Computers 3
- RES 142 Basic Pediatric Care 2
- RES 152 Clinical Applications II 3
- RES 210 Cardiopulmonary Science II 3
- RES 220 Hemodynamic Monitoring 1

**Total 12**

### Fifth Semester – Fall
- BIO 115 Basic Microbiology 3
- or
- BIO 225 Microbiology 4
- RES 235 Respiratory Diagnostics 4
- RES 253 Advanced Clinical Studies I 6

**Total 13 or 14**

### Sixth Semester – Spring
- REQ HUM Select one course from Humanities listing on page B-3 3
- RES 205 Neonatal Respiratory Care 2
- RES 249 Comprehensive Applications 2
- RES 254 Advanced Clinical Studies II 7

**Total 14**

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### Veterinary Technology

**Associate in Applied Science**

**Credit Requirements: 77 Semester Credit Hours**

The Veterinary Technology curriculum prepares graduates to assist large and small animal veterinarians and provides opportunities for careers in research laboratories and pharmaceutical and veterinary supply businesses.

Veterinary technicians assist by obtaining and recording information about cases, preparing animals for medical and surgical procedures, obtaining specimens, performing laboratory procedures, applying bandages and splints, assisting with anesthesia and surgery, and many other challenging tasks.

The Veterinary Technology program is fully accredited by the American Veterinary Medical Association. Upon graduation, students are eligible to take the Veterinary Technician National Exam and the South Carolina licensing exam. Successful completion of both these examinations will earn the graduate the opportunity to be recognized officially as a licensed veterinary technician.

This program is offered in two formats: a program for full-time students and a program for part-time students.

### Admission Requirements

Applicants will be admitted to this program on a first-qualified, first-admitted basis. Applicants are considered to be qualified for admission to the next available class when they meet all college and program requirements. Classes for the full-time format begin each Fall Semester. Classes for the part-time format begin each Spring Semester.

### APPLICANTS MUST COMPLETE ALL OF THE FOLLOWING REQUIREMENTS

I. **General College Admission Requirements**

   Achieve admission to TTC by meeting the college’s requirements for associate degree programs. Please note that applicants not achieving appropriate test scores will be required to complete courses indicated by placement test scores.

   **Note:** Admission to the college does not guarantee admission to the Veterinary Technology program.

II. **Program Admission Requirements**

   Applicants should ensure that documentation of each of the following admission requirements is on file in the Admissions office as soon as it is completed. Information may be submitted in person or by mail to:

   Trident Technical College
   Admissions Office, AM-M
   (Student Center, Bldg. 410, Room 110)
   P.O. Box 118067
   Charleston, SC  29423-8067

   A. Achieve qualifying scores on the college’s placement test, SAT or ACT. Contact an academic advisor and complete all courses indicated by placement test scores.

   B. Complete a Health Sciences application for the Veterinary Technology program.
Note: When the number of applicants qualifying at the same time exceeds the number of spaces available in this program, admission will be prioritized according to the date and time that the Health Sciences application was received in the Admissions office.

C. Attend an advising session and obtain a signed statement from a program faculty member verifying attendance.

D. Submit proof of algebra, biology and English competencies by completing one requirement each in:

Algebra
1. Achieve the appropriate score on the SAT, ACT or TTC’s placement test,
OR
2. Complete MAT 101 Beginning Algebra with a minimum grade of C,
OR
3. Complete a beginning algebra course equivalent to MAT 101 with a minimum grade of C from an approved, regionally accredited postsecondary institution.

Biology
1. BIO 101 Biological Science with a minimum grade of C,
OR
2. Complete four semester credit hours of equivalent biology with a minimum grade of C from an approved, regionally accredited postsecondary institution within the last five years.

English
1. Complete ENG 101 English Composition I or its equivalent with a minimum of a C average.

E. Provide proof of high school graduation or equivalent by submitting a copy of your high school transcript, diploma or GED.

F. Satisfy academic probation/suspension requirements, if applicable, by providing proof of a minimum 2.0 GPA on all college course work by submitting copies of official transcripts, excluding TTC transcripts, to the Admissions office; or complete 10 semester credit hours with a minimum grade of C in each course, and a cumulative 2.0 GPA. At least one of these courses must be a laboratory science. Laboratory sciences must have been completed within five years of the admission date with a minimum grade of C.

G. Provide proof of completion for the following courses with a minimum grade of C: VET 105, BIO 101, CPT 101, ENG 101. BIO 101 must have been taken within the last five years. To exempt the VET 105 requirement, provide documentation of at least six months of full-time employment in a veterinary hospital setting.

H. Maintain a minimum cumulative 2.0 GPA and not be on academic or disciplinary suspension at the time of admission and date of entry into the program.

I. Submit a completed observation/volunteer form showing evidence of a minimum of 20 hours of observation/volunteer work in an animal care facility with a veterinarian present. Contact the program faculty at 843.899.8011 or 843.899.8086 for assistance in meeting this requirement. Forms can be obtained from and should be returned to the Admissions office.

J. A rabies vaccination (optional) must be completed by the first day of class. Students who have already been vaccinated must provide proof of adequate blood titer (within previous two years). If a student elects not to receive rabies immunization, he/she must sign a waiver. Call the program coordinator at 843.899.8011.

K. At the time of entry to the program, show evidence of completion of the criminal background check required by the college.

III. General Admission Procedures for the Veterinary Technology Program
Prior to admission to the program, provide the TTC program coordinator with a completed, current Health Sciences–Student Health Record. Applicants who meet college and program requirements will be considered qualified and will be admitted on a first-qualified, first-admitted basis. Qualified applicants will be sent a letter indicating the year and semester that they have been admitted.
Note: Falsification of any information submitted will make a student ineligible for admission to or continuation in the Veterinary Technology program.

Readmission to a Program
Students who receive a W, D or F in a prerequisite or corequisite Veterinary Technology course may request consideration for readmission to the Veterinary Technology program. Readmission to the program is not automatic. See the Health Sciences overview.

Course Progression
To progress to the next Veterinary Technology course the student must:
1. Earn a C or better in all courses required for the program.
2. Earn a satisfactory grade of S on all professional development evaluations.

Full Time

Recommended Sequence of Courses
Prerequisites
BIO 101 Biological Science I 4
CPT 101 Introduction to Computers 3
ENG 101 English Composition I 3
VET 105 Orientation to Veterinary Technology I
Total 11

First Semester – Fall
BIO 115 Basic Microbiology 3
VET 101 Animal Breeds and Husbandry 3
VET 104 Veterinary Anatomy and Physiology 3
VET 112 Veterinary Terminology and Calculations 2
VET 117 Animal Nutrition 2
Total 13

Second Semester – Spring
PSY 201 General Psychology 3
VET 140 Veterinary Pharmacology 2
VET 142 Veterinary Anesthesia 3
VET 160 Clinical Techniques II 3
VET 180 Preceptorship 2
Total 13

Third Semester – Summer
PHI 110 Ethics 3
VET 116 Radiology and Parasitology 3
VET 215 Laboratory Animal Medicine 2
VET 240 Office Management and Client Education 3
Total 11

Fourth Semester – Fall
VET 152 Clinical Pathology 4
VET 203 Small Animal Diseases, Zoonosis and Client Education 3
VET 207 Large Animal Clinical Practice 3
VET 250 Clinical Techniques III 3
Total 13

Fifth Semester – Spring
MAT 120 Probability and Statistics 3
SPC 209 Interpersonal Communication 3
VET 170 Veterinary Technician Externship 6
VET 260 Clinical Techniques IV 3
VET 280 Senior Seminar 1
Total 16

Part Time

Recommended Sequence of Courses
Prerequisites
BIO 101 Biological Science I 4
CPT 101 Introduction to Computers 3
ENG 101 English Composition I 3
VET 105 Orientation to Veterinary Technology I
Total 11

First Semester – Spring
VET 112 Veterinary Terminology and Calculations 2
VET 117 Animal Nutrition 2
Total 4

Second Semester – Summer
PHI 110 Ethics 3
PSY 201 General Psychology 3
Total 6

Third Semester – Fall
BIO 115 Basic Microbiology 3
VET 101 Animal Breeds and Husbandry 3
VET 104 Veterinary Anatomy and Physiology 3
Total 9

Fourth Semester – Spring
VET 140 Veterinary Pharmacology 2
VET 142 Veterinary Anesthesia 3
VET 160 Clinical Techniques II 3
Total 8

Fifth Semester – Summer
VET 116 Radiology and Parasitology 3
VET 180 Preceptorship 2
VET 215 Laboratory Animal Medicine 2
Total 7