Veterinary Technician

INDIVIDUAL PROGRAM INFORMATION 2015–2016

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Veterinary Technician

| PROGRAM OPTIONS |
|-----------------|-----------------|-----------------|-----------------|
| CREDENTIAL      | TITLE           | CREDIT HOURS REQUIRED | NOTES |
| Associate of Applied Science | Veterinary Technician | 68 | – |

| CONTACT INFORMATION |
|---------------------|-----------------|-----------------|-----------------|
| CONTACT TITLE       | NAME            | PHONE           | E-MAIL         | LOCATION |
| Professor           | Lori Renda-Francis | 586.286.2096    | francisl@macomb.edu | Center Campus |

Program Description:

ADMISSION REQUIREMENTS: View Selective Admission for detailed information.

The Veterinary Technician Program is designed to prepare students to assist with the technical aspects of modern veterinary practice and animal related fields including: medical laboratory procedures, anesthesia, radiology, and surgical assisting. Major emphasis is on dogs and cats, although instruction will also be given on large animal and laboratory animal techniques. Students are also instructed to develop their skills with people, so as to relate to the owners of the animals.

Students selecting this Program should contact the Program coordinator at 586.286.2096 or 586.286.2073 for messages.

Requirements & Specific Information:

Additional expenses to be met by the student before entering the internship component of the Program are: (1) a health history and physical examination including testing for tuberculosis, and proof of a current tetanus vaccine; (2) uniforms; and, (3) hospitalization insurance as neither the hospital nor the college insures the student against accidents or illnesses.

Students must achieve grade “C” or better, or grade “Pass” (if the course is a Pass/Fail course) for all the Core and Arts and Sciences courses in this Program.

Accreditation:

The Associate of Applied Science degree in Veterinary Technician Program is accredited by the American Veterinary Medical Association (AVMA), 1931 N. Meacham Road, Suite 100, Schaumburg, IL 60173, 800.248.2862.

The Associate of Applied Science degree in Veterinary Technician Program is also accredited by the American Animal Hospital Association (AAHA), 12575 W. Bayaud Avenue, Lakewood, CO 80228. AAHA’s phone number is 303.986.2800.

Career Opportunities:

Veterinary Technician–Associate of Applied Science: Job titles such as Veterinary Technologist & Veterinary Technician are attainable upon completion of this course of study. To learn more from a career specialist, visit the Office of Career Services at either campus or explore online at www.onetonline.org.

Transfer Pathways:

Students intending to transfer and complete a bachelor’s degree need to make early decisions concerning an academic major and a transfer destination. Statistics show that students who make these decisions early are more likely to persist to graduation than their undecided counterparts. Students planning to transfer credits earned at Macomb are strongly urged to see a counselor or academic advisor as early as possible in their college careers.

Transfer Resource Guide

Based on MCC 2015–2016 Catalog, ©2015, continually updated, 1271_15 (REV: 05_15)
# ASSOCIATE OF APPLIED SCIENCE IN VETERINARY TECHNICIAN

## Career preparation and related courses

*(require successful completion of a minimum of 68 credit hours)*

<table>
<thead>
<tr>
<th>COURSE</th>
<th>SEMESTER</th>
<th>COURSE TITLE</th>
<th>PREREQUISITE</th>
<th>CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>VETT-1020</td>
<td>SEMESTER 1</td>
<td>Applied Anatomy &amp; Physiology–Lecture</td>
<td>Admission into the Veterinary Technician Program, and VETT-1030, VETT-1040, VETT-1060, VETT-1070, VETT-1080, HHSC-1010, and ITCS-1010</td>
<td>4.0</td>
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<tr>
<td>VETT-1030</td>
<td></td>
<td>Applied Anatomy &amp; Physiology–Laboratory</td>
<td>Admission into the Veterinary Technician Program, and VETT-1020, VETT-1030, VETT-1040, VETT-1060, VETT-1070, VETT-1080, HHSC-1010, and ITCS-1010</td>
<td>1.0</td>
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<tr>
<td>VETT-1080</td>
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<td>Small Animal Techniques–Lecture</td>
<td>Admission into the Veterinary Technician Program</td>
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<tr>
<td>VETT-1060</td>
<td></td>
<td>Small Animal Techniques–Laboratory</td>
<td>Admission into the Veterinary Technician Program</td>
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<tr>
<td>VETT-1070</td>
<td></td>
<td>Advanced Small Animal Techniques–Laboratory</td>
<td>Admission into the Veterinary Technician Program and VETT-1060 and VETT-1080</td>
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<tr>
<td>VETT-1040</td>
<td></td>
<td>Veterinary Practice &amp; Communications</td>
<td>Admission into the Veterinary Technician Program</td>
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<tr>
<td>HHSC-1010</td>
<td></td>
<td>Animal Health Careers</td>
<td>–</td>
<td>1.0</td>
</tr>
<tr>
<td>ITCS-1010</td>
<td></td>
<td>Computer &amp; Information Processing Principles</td>
<td>–</td>
<td>4.0</td>
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<tr>
<td>VETT-1220</td>
<td>SEMESTER 2</td>
<td>Veterinary Anesthesia–Lecture</td>
<td>Admission into the Veterinary Technician Program, and VETT-1020, VETT-1030, VETT-1040, VETT-1060, VETT-1070, VETT-1080, HHSC-1010, and ITCS-1010</td>
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<tr>
<td>VETT-1230</td>
<td></td>
<td>Veterinary Anesthesia–Laboratory</td>
<td>Admission into the Veterinary Technician Program, and VETT-1020, VETT-1030, VETT-1040, VETT-1060, VETT-1070, VETT-1080, HHSC-1010, and ITCS-1010</td>
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<tr>
<td>VETT-1300</td>
<td></td>
<td>Assisting in Veterinary Surgery–Lecture</td>
<td>Admission into the Veterinary Technician Program, and VETT-1020, VETT-1030, VETT-1040, VETT-1060, VETT-1070, VETT-1080, HHSC-1010, and ITCS-1010</td>
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<tr>
<td>VETT-1310</td>
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<td>Assisting in Veterinary Surgery–Laboratory</td>
<td>Admission into the Veterinary Technician Program, and VETT-1020, VETT-1030, VETT-1040, VETT-1060, VETT-1070, VETT-1080, HHSC-1010, and ITCS-1010</td>
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<td>VETT-1440</td>
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<td>Clinical Pathology 1–Lecture</td>
<td>Admission into the Veterinary Technician Program, and VETT-1020, VETT-1030, VETT-1040, VETT-1060, VETT-1070, VETT-1080, HHSC-1010, and ITCS-1010</td>
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<td>VETT-1450</td>
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<td>Clinical Pathology 1–Laboratory</td>
<td>Admission into the Veterinary Technician Program, and VETT-1020, VETT-1030, VETT-1040, VETT-1060, VETT-1070, VETT-1080, HHSC-1010, and ITCS-1010</td>
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<td>VETT-1700</td>
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<td>Pharmacology for Veterinary Technicians</td>
<td>Admission into the Veterinary Technician Program, and VETT-1020, VETT-1030, VETT-1040, VETT-1060, VETT-1070, VETT-1080, HHSC-1010, and ITCS-1010</td>
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<tr>
<td>VETT-1580</td>
<td>SEMESTER 3</td>
<td>Veterinary Technician Internship 1</td>
<td>Admission into the Veterinary Technician Program, and VETT-1220, VETT-1230, VETT-1300, VETT-1310, VETT-1440, VETT-1450, and VETT-1700</td>
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<tr>
<td>VETT-2050</td>
<td>SEMESTER 4</td>
<td>Large Animal Techniques–Lecture</td>
<td>Admission into the Veterinary Technician Program and VETT-1580</td>
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<tr>
<td>VETT-2060</td>
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<td>Large Animal Techniques–Laboratory</td>
<td>Admission into the Veterinary Technician Program and VETT-1580</td>
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<tr>
<td>VETT-2200</td>
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<td>Small Animal Diseases</td>
<td>Admission into the Veterinary Technician Program and VETT-1580</td>
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<tr>
<td>VETT-2320</td>
<td></td>
<td>Laboratory &amp; Exotic Animal Techniques–Lecture</td>
<td>Admission into the Veterinary Technician Program and VETT-1580</td>
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<tr>
<td>VETT-2330</td>
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<td>Laboratory &amp; Exotic Animal Techniques–Laboratory</td>
<td>Admission into the Veterinary Technician Program and VETT-1580</td>
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<tr>
<td>VETT-2340</td>
<td></td>
<td>Advanced Laboratory &amp; Exotic Animal Techniques–Laboratory</td>
<td>Admission into the Veterinary Technician Program and VETT-1580, VETT-2320, and VETT-2330</td>
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<tr>
<td>VETT-2620</td>
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<td>Radiology for Veterinary Technicians–Lecture</td>
<td>Admission into the Veterinary Technician Program and VETT-1580</td>
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<tr>
<td>VETT-2630</td>
<td></td>
<td>Radiology for Veterinary Technicians–Laboratory</td>
<td>Admission into the Veterinary Technician Program and VETT-1580</td>
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</tbody>
</table>
## CORE COURSES: COMMON DEGREE CORE REQUIREMENTS FOR ASSOCIATE OF APPLIED SCIENCE IN VETERINARY TECHNICIAN

<table>
<thead>
<tr>
<th>SEMESTER</th>
<th>COURSE</th>
<th>COURSE TITLE</th>
<th>PREREQUISITE</th>
<th>CREDIT HOURS</th>
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<tbody>
<tr>
<td>SEMESTER 5</td>
<td>VETT-2500</td>
<td>Large Animal Diseases</td>
<td>Admission into the Veterinary Technician Program, and VETT-2050, VETT-2060, VETT-2200, VETT-2320, VETT-2330, VETT-2340, VETT-2620, and VETT-2630</td>
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<tr>
<td></td>
<td>VETT-2470</td>
<td>Clinical Pathology 2–Laboratory</td>
<td>Admission into the Veterinary Technician Program, and VETT-2050, VETT-2060, VETT-2200, VETT-2320, VETT-2330, VETT-2340, VETT-2620, and VETT-2630</td>
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<tr>
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<td>VETT-2480</td>
<td>Clinical Pathology 2–Lecture</td>
<td>Admission into the Veterinary Technician Program, and VETT-2050, VETT-2060, VETT-2200, VETT-2320, VETT-2330, VETT-2340, VETT-2620, and VETT-2630</td>
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<td>VETT-2580</td>
<td>Veterinary Technician Internship 2</td>
<td>Admission into the Veterinary Technician Program, and VETT-2050, VETT-2060, VETT-2200, VETT-2320, VETT-2330, VETT-2340, VETT-2620, and VETT-2630</td>
<td>4.0</td>
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<tr>
<td></td>
<td>VETT-2590</td>
<td>Veterinary Technician Capstone</td>
<td>Admission into the Veterinary Technician Program, and VETT-2050, VETT-2060, VETT-2200, VETT-2320, VETT-2330, VETT-2340, VETT-2620, and VETT-2630</td>
<td>2.5</td>
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<tr>
<td></td>
<td>Group I Course:</td>
<td>Communications 1 –OR– Composition 1</td>
<td>Placement, or ENGL-0050 or EAPP-1500 with grade C-or better</td>
<td>3.0-4.0</td>
</tr>
<tr>
<td></td>
<td>Group II Course:</td>
<td>Introduction to General Chemistry</td>
<td>MATH-0070 proficiency (demonstrated by math placement score, completing MATH-0070 with grade C or better, being enrolled in a higher level math, or having higher level math on college transcript)</td>
<td>4.0</td>
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<tr>
<td></td>
<td>Group III Course:</td>
<td>Introductory Psychology</td>
<td>–</td>
<td>4.0</td>
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<tr>
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<td>Group IV Course:</td>
<td>Any ARAB, ARRT, CHIN, ENGL-2### (CREATIVE WRITING OR LITERATURE ONLY), FREN, GRMN, HUMN, ITAL, INTL-2000, INTL-2300, MUSC, PHIL, &amp; SPAN</td>
<td>–</td>
<td>3.0</td>
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<tr>
<td></td>
<td>Group V Course</td>
<td>Any PHED Wellness course—2000 or above</td>
<td>–</td>
<td>2.0-3.0</td>
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</tbody>
</table>

### NOTES:

1. Arts & Sciences courses (Group I-V) may be taken any time prior to or during the program, including the summer semester; courses must be completed prior to the completion of your program to graduate.

- Students must apply through the selective admission process and be accepted into the Veterinary Technician Program before taking any VETT course.
- A minimum of 18 credit hours of Arts & Sciences courses (Groups I-V) are needed as well as a minimum of 68 total credit hours for the associate degree.
- It is strongly recommended that you work with a counselor, advisor or department coordinator.
Associate of Applied Science (AAS) Degree

The Associate of Applied Science Degree is intended to provide the preparation necessary for potential employment in an occupational specialty.

Requirements

- Minimum cumulative grade point average of 2.0
- Minimum 15 semester hours of credit earned at Macomb
- Minimum 62 semester hours of credit courses numbered 1000 or above, which include:
  - A minimum 18 semester hours of credit in Arts and Sciences courses numbered 1000 or above, as described in the Group Concentrations table; and
  - A minimum of an additional 44 semester hours, including required career preparation and related courses as well as any electives required in the program.

Arts and Sciences Courses Required for the Associate of Applied Science (AAS) Degree

A minimum of one course from each of the five Arts and Sciences groups must be selected. Electives and Arts and Sciences requirements must be satisfied by courses numbered 1000 or higher. Associate of Applied Science (AAS) degree requirements are met by taking the required career courses and the Arts and Sciences courses.

See Academic Placement Procedures for information on course placement in chemistry, English, English for Academic Purposes, mathematics, and reading.

Courses numbered below 1000 will not count toward the Associate of Applied Science degree.

Contact a counselor or academic advisor if you need help in choosing the appropriate course.

<table>
<thead>
<tr>
<th>GROUP</th>
<th>COURSES</th>
<th>MINIMUM DEGREE REQUIREMENTS 18 SEMESTER HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>I.A</td>
<td>ENGL-1180 or ENGL-1210</td>
<td>1 Course</td>
</tr>
<tr>
<td>I.B</td>
<td>Other English Composition, Reading, or Speech</td>
<td>See Note below</td>
</tr>
<tr>
<td>II.</td>
<td>Astronomy, Biology, Chemistry, Environmental Science, Geology, Mathematics, Natural Science, Physical Science, Physics</td>
<td>1 Course</td>
</tr>
<tr>
<td>III.</td>
<td>Anthropology, Economics, Geography, History, INTL-2010, INTL-2500, INTL-2700, Political Science, Psychology, Sociology, Social Science</td>
<td>1 Course</td>
</tr>
<tr>
<td>IV.</td>
<td>Art, Creative Writing, Foreign Language, Humanities, INTL-2000, INTL-2300, Literature, Music, Philosophy, Theater Arts</td>
<td>1 Course</td>
</tr>
<tr>
<td>V.</td>
<td>Any PHED Wellness course – 2000 or above</td>
<td>1 Course</td>
</tr>
</tbody>
</table>

Note: If students take one course from each of Groups I.A, II, III, IV, and V, and still have taken less than the minimum of 18 semester hours of Arts and Sciences courses required for the AAS degree, they may elect additional hours from Groups I.B, II, III, IV, or V to satisfy minimum degree requirements.
Course Descriptions

CHEM-1050—Introduction to General Chemistry—4.00 credit hours

Prerequisite: MATH-0070 proficiency (demonstrated by math placement score, completing MATH-0070 with grade C or better, being enrolled in a higher level math, or having higher level math on college transcript)
(formerly CHM 105) This course is intended for those students who have never had or need a review of high school chemistry, and for some degree programs (Health and Human Services and other career preparation programs) requiring a course in chemistry basics. Topics introduced include: math and measurement, atomic structure, chemical bonding, naming and formulas, treatment of chemical reactions, stoichiometry, gas laws, solutions, and acid-base chemistry. The laboratory component complements lecture material while introducing students to a variety of experimental techniques. (7 contact hrs)

HHSC-1010—Animal Health Careers—1.00 credit hours

Prerequisite: None
(formerly ALH 101) HHSC-1010 gives students information on the various career opportunities available in the animal health field. Topics include: Veterinarian, Veterinary Technician, Veterinary Assistant, Zoo Work, Kennel Management, various species-specific careers, governmental and research careers, and business opportunities. Additional topics include: education requirements, licensing and registration, ethics, and jurisprudence. (1 contact hr) Center Campus.

ITCS-1010—Computer & Information Processing Principles—4.00 credit hours

Prerequisite: None
(formerly CIS 101) ITCS-1010 introduces Information Technology concepts and methods that knowledge workers use to organize and manage information resources. Computer concept topic areas include up-to-date information about hardware, software, the Internet, telecommunications and network systems, databases, commerce and transaction processing, and information and decision support systems. Students develop or enhance basic skills in using computer applications software (word processing, database management systems, spreadsheet, and presentation packages) to effectively communicate for the benefit of an organization. Methods of instruction include lecture and lab. (4 contact hrs)

PSYC-1010—Introductory Psychology—4.00 credit hours

Prerequisite: None
(formerly PSY 101) Nature, scope, and methods of psychology as behavioral science, emphasizing development, biological foundation of behavior, sensation, and perception, learning, emotion, motivation, and personality. (4 contact hrs)

VETT-1020—Applied Anatomy & Physiology—Lecture—4.00 credit hours

Prerequisite: Admission into the Veterinary Technician program
(formerly VET 102) VETT-1020 instructs veterinary technician students in the anatomy and physiology of common structures of small and large animals. Students apply appropriate medical terminology to describe anatomical structures and their corresponding physiology relative to the animal's position and compare and contrast the structural and functional differences among various species. The course also covers purebred cat breeds and abnormal behavior disorders in dogs and cats and provides a strong foundation for further study of veterinary technical skills. (4 contact hrs) Center Campus.

VETT-1030—Applied Anatomy & Physiology—Laboratory—1.00 credit hours

Prerequisite: Admission into the Veterinary Technician program
(formerly VET 103) VETT-1030 instructs veterinary technician students in the anatomy and physiology of dogs and cats. Application strategies include the use of dog and cat skeletal models, dissection of an animal cadaver, and the dissection of an animal eye and brain. Students will compare anatomical structures of live animals with those identified in the cadaver. (2 contact hrs) Center Campus.

VETT-1040—Veterinary Practice & Communications—2.00 credit hours

Prerequisite: Admission into the Veterinary Technician program
(formerly VETT-1720) VETT-1040 prepares veterinary technician students with basic principals of office procedures and communication in veterinary practice. Students develop skills used in routine office practice, including record keeping, financial transactions, euthanasia, and the grieving process. Instruction includes an exploration of the veterinary technician profession, student learning, behavior and personality styles, and common AKC registered dog breeds. (2 contact hrs) Center Campus.
VETT-1060—Small Animal Techniques—Laboratory—0.50 credit hours

- Prerequisite: Admission into the Veterinary Technician program
  (formerly VETT-1090)(note: VETT-1060 and VETT-1070 together replace VETT-1090) VETT-1060 instructs veterinary technician students in basic techniques commonly performed in veterinary practice. Application strategies include handling and restraint, grooming, physical examination, auscultation, oral medication administration, and injection administration in the dog and cat. (1 contact hr) Center Campus.

VETT-1070—Advanced Small Animal Techniques—Laboratory—0.50 credit hours

- Prerequisite: Admission into the Veterinary Technician program and VETT-1060 and VETT-1080
  (formerly VETT-1090)(note: VETT-1070 and VETT-1060 together replace VETT-1090) VETT-1070 instructs veterinary technician students in advance techniques commonly performed in the dog and cat. It reiterates basic skills learned in VETT-1060. Application strategies include various routes of venipuncture, ophthalmic and otic medication administration, handling and collection of blood, urine, and fecal samples, and the administration of subcutaneous and intravenous fluids. (1 contact hr) Center Campus.

VETT-1080—Small Animal Techniques—Lecture—1.00 credit hours

- Prerequisite: Admission into the Veterinary Technician program
  (formerly VET 108) VETT-1080 instructs veterinary technician students in the basic techniques expected of the veterinary technician in a small animal veterinary practice. Skills covered and emphasized include animal handling and restraint, grooming, auscultation (use of a stethoscope), medication administration, placement of intravenous (I.V.) catheters, and obtaining and handling of blood, urine, and fecal samples. (1 contact hr) Center Campus.

VETT-1220—Veterinary Anesthesia—Lecture—2.00 credit hours

- Prerequisite: Admission into the Veterinary Technician program, and VETT-1020, VETT-1030, VETT-1040, VETT-1060, VETT-1070, VETT-1080, HHSC-1010, and ITCS-1010
  (formerly VET 122) This course instructs veterinary technician students in the principles of anesthesiology and appropriate usage of anesthetics for small, large, and exotic animals. This course also covers anesthetic monitoring, emergency procedures, and post-anesthetic care. (2 contact hrs) Center Campus.

VETT-1230—Veterinary Anesthesia—Laboratory—1.50 credit hours

- Prerequisite: Admission into the Veterinary Technician program, and VETT-1020, VETT-1030, VETT-1040, VETT-1060, VETT-1070, VETT-1080, HHSC-1010, and ITCS-1010
  (formerly VET 123) This course provides the veterinary technician student with instruction in the preanesthetic, perianesthetic, and recovery phases of anesthesia for dogs and cats. Application strategies covered during these phases include patient evaluation, appropriate anesthetic drug administration, intravenous fluid therapy, intubation and extubation, patient monitoring, correct use of anesthetic equipment, and appropriate response techniques for emergency situations. Topics also include recordkeeping of drugs and anesthetic procedures as well as the practical application of dental prophylaxis techniques on anesthetized patients. (3 contact hrs) Center Campus.

VETT-1300—Assisting in Veterinary Surgery—Lecture—1.00 credit hours

- Prerequisite: Admission into the Veterinary Technician program, and VETT-1020, VETT-1030, VETT-1040, VETT-1060, VETT-1070, VETT-1080, HHSC-1010, and ITCS-1010
  (formerly VET 130) This course provides veterinary technician students with instruction in the appropriate aseptic techniques for the surgical team, patient, and equipment. Skills covered and emphasized include surgical assisting, care of the surgical patient, and preparation of surgery related equipment. The course also covers common surgical procedures performed in veterinary practice. (1 contact hr) Center Campus.

VETT-1310—Assisting in Veterinary Surgery—Laboratory—1.00 credit hours

- Prerequisite: Admission into the Veterinary Technician program, and VETT-1020, VETT-1030, VETT-1040, VETT-1060, VETT-1070, VETT-1080, HHSC-1010, and ITCS-1010
  (formerly VET 131) This course provides the veterinary technician students with instruction in procedures related to the surgical aspect of veterinary practice. Application strategies include correct aseptic technique for the surgical team, patient, and equipment. Emphasis is on the technician’s role on the surgical team, including preparation of the patient, surgical suite, equipment, and personnel. Topics also include patient positioning for various surgical procedures, pre and post operative patient care, and recordkeeping. (2 contact hrs) Center Campus.
VETT-1440—Clinical Pathology 1—Lecture—2.00 credit hours
- Prerequisite: Admission into the Veterinary Technician program, and VETT-1020, VETT-1030, VETT-1040, VETT-1060, VETT-1070, VETT-1080, HHSC-1010, and ITCS-1010
(formerly VET 144) This course provides veterinary technician students with instruction in the fundamental techniques used in hematology, urinalysis, and parasitology in dogs and cats. Emphasis is placed on the purpose of tests, their clinical significance, and factors necessary for quality control. (2 contact hrs) Center Campus.

VETT-1450—Clinical Pathology 1—Laboratory—3.00 credit hours
- Prerequisite: Admission into the Veterinary Technician program, and VETT-1020, VETT-1030, VETT-1040, VETT-1060, VETT-1070, VETT-1080, HHSC-1010, and ITCS-1010
(formerly VET 145) This course provides veterinary technician students with instruction in procedures related to commonly requested laboratory tests. Application strategies include care and use of microscopes, preparation and examination of blood smears, components of a complete blood cell count, analysis of the physical, chemical, and microscopic components of a urine sample, and the preparation and examination of fecal samples. This course also covers instruction and performance of routine heartworm tests and the abnormalities seen in blood, urine, and fecal samples. (6 contact hrs) Center Campus.

VETT-1580—Veterinary Technician Internship 1—4.00 credit hours
- Prerequisite: Admission into the Veterinary Technician program, and VETT-1220, VETT-1230, VETT-1300, VETT-1310, VETT-1440, VETT-1450, and VETT-1700
(formerly VET 158) This course provides veterinary technician students with supervised clinical experience in an affiliated animal facility. Students gain experience with practical skills that are commonly performed in veterinary practice. (25 contact hrs per week for 8 wks) Center Campus. Spring/Summer semester only.

VETT-1700—Pharmacology for Veterinary Technicians—2.00 credit hours
- Prerequisite: Admission into the Veterinary Technician program, and VETT-1020, VETT-1030, VETT-1040, VETT-1060, VETT-1070, VETT-1080, HHSC-1010, and ITCS-1010
(formerly VET 170) This course provides veterinary technician students with instruction in the study of drugs and medical substances of veterinary importance. Topics discussed and emphasized include basics of general pharmacology, routes and techniques of drug administration, governmental drug agencies, systems of measurement and conversion, mathematics affecting dosage, and formulation of drugs. Also covered are the characteristics, classification, usage, storage, and recordkeeping requirements of drugs used in veterinary medicine. (2 contact hrs) Center Campus.

VETT-2050—Large Animal Techniques—Lecture—1.00 credit hours
- Prerequisite: Admission into the Veterinary Technician program and VETT-1580
(formerly VET 205) VETT-2050 teaches veterinary technology students the principles and techniques used by veterinary technicians in equine and food animal veterinary practices. Topics include animal handling and restraint, specimen collection, injection routes, anesthesia, and surgery. The course also covers terminology, breeds, physical exam techniques, and anatomy and physiology of the common large animal species and poultry. (1 contact hr) Center Campus.

VETT-2060—Large Animal Techniques—Laboratory—1.00 credit hours
- Prerequisite: Admission into the Veterinary Technician program and VETT-1580
(formerly VET 206) VETT-2060 instructs veterinary technician students in the techniques of handling and restraint of equine and food animal species. Application strategies include physical examination, specimen collection and laboratory test procedures, injections, oral medication administration, and other procedures relative to these species. Students will also perform bandaging, hoof care, and lameness exam procedures for horses. (2 contact hrs) Center Campus.

VETT-2200—Small Animal Diseases—2.00 credit hours
- Prerequisite: Admission into the Veterinary Technician program and VETT-1580
(formerly VETT-2220) VETT-2200 provides veterinary technician students with basic information on diseases and the body’s defense system mechanisms, vaccination procedures, nutrition, reproduction, and public health concerns for the dog and cat species. It stresses preventative health measures and client education. Disease discussions will cover etiology, diagnosis, and treatment. (2 contact hrs) Center Campus.
VETT-2320—Laboratory & Exotic Animal Techniques—Lecture—1.00 credit hours
- Prerequisite: Admission into the Veterinary Technician program and VETT-1580 (formerly VETT-2300) VETT-2320 introduces veterinary technology students to the principles and techniques used by veterinary technicians in laboratory and exotic animal veterinary practice. Information and skills covered and emphasized include common species of laboratory and exotic animals, diseases, husbandry, breeding protocols, euthanasia, and necropsy procedures. Also discussed are alternatives to the use of live animals in research, the key members of the research team, and regulatory agencies governing research facilities. (1 contact hr) Center Campus.

VETT-2330—Laboratory & Exotic Animal Techniques—Laboratory—0.50 credit hours
- Prerequisite: Admission into the Veterinary Technician program and VETT-1580 (formerly VETT-2310) VETT-2330 instructs veterinary technician students in techniques associated with laboratory and exotic animal species. Application strategies include hygiene, handling and restraint, nail trims, and sexing. The course also covers various injection techniques. (1 contact hr) Center Campus.

VETT-2340—Advanced Laboratory & Exotic Animal Techniques—Laboratory—0.50 credit hours
- Prerequisite: Admission into the Veterinary Technician program and VETT-1580, VETT-2320, and VETT-2330 (formerly VETT-2310)(note: VETT-2340 and VETT-2330 together replace VETT-2310) VETT-2340 instructs veterinary technician students in advanced techniques performed on laboratory and exotic animal species. It will also reiterate the basic skills taught in VETT-2330. Application strategies include venipuncture and sample collection, injections, anesthesia techniques, ear punch identification and numbering sequence, euthanasia, and necropsy. The course also covers medication administration techniques in lab and exotic animals as well as radiographic positioning of the bird. (1 contact hr) Center Campus.

VETT-2470—Clinical Pathology 2—Laboratory—1.50 credit hours
- Prerequisite: Admission into the Veterinary Technician program, and VETT-2050, VETT-2060, VETT-2200, VETT-2320, VETT-2330, VETT-2340, VETT-2620, and VETT-2630 (formerly VETT-2490) VETT-2470 instructs veterinary technician students in advanced laboratory procedures done in veterinary practice. It also reiterates the basic skills taught in VETT 1450. Application strategies include performing skills associated with clinical pathology, clinical chemistry, blood-related tests such as blood typing and coagulation, bacteriology, cytology, mycology, endocrinology, and immunology. Topics also include hematology of exotic and large animal species. (3 contact hrs) Center Campus.

VETT-2480—Clinical Pathology 2—Lecture—1.00 credit hours
- Prerequisite: Admission into the Veterinary Technician program, and VETT-2050, VETT-2060, VETT-2200, VETT-2320, VETT-2330, VETT-2340, VETT-2620, and VETT-2630 (formerly VET 248) This course instructs veterinary technician students in the principles of commonly utilized laboratory tests in veterinary medicine. Topics covered and emphasized include clinical pathology, clinical chemistry, blood functions, bacteriology, cytology, mycology, endocrinology, and virology. The course also correlates the performance, purpose, and clinical significance of the tests with the factors necessary for quality control. (1 contact hr) Center Campus.

VETT-2500—Large Animal Diseases—2.00 credit hours
- Prerequisite: Admission into the Veterinary Technician program, and VETT-2050, VETT-2060, VETT-2200, VETT-2320, VETT-2330, VETT-2340, VETT-2620, and VETT-2630 (formerly VET-2100) VETT-2500 provides veterinary technician students with basic information on diseases and the body’s defense system mechanisms, vaccination procedures, nutrition, reproduction, and public health concerns for the large animal species. It stresses preventative health measures and client education. Disease discussions will cover etiology, diagnosis, and treatment. (2 contact hrs) Center Campus.

VETT-2580—Veterinary Technician Internship 2—4.00 credit hours
- Prerequisite: Admission into the Veterinary Technician program, and VETT-2050, VETT-2060, VETT-2200, VETT-2320, VETT-2330, VETT-2340, VETT-2620, and VETT-2630 (formerly VET 258) This course provides veterinary technician students with additional supervised clinical experience in an affiliated veterinary facility. Students are provided an opportunity to continue practice of necessary skills commonly performed in veterinary practice. (20 contact hrs per week for 16 wks) Center Campus.
VETT-2590—Veterinary Technician Capstone—2.50 credit hours

- Prerequisite: Admission into the Veterinary Technician program, and VETT-2050, VETT-2060, VETT-2200, VETT-2320, VETT-2330, VETT-2340, VETT-2620, and VETT-2630
VETT-2590 prepares veterinary technician students for the licensing exam(s) after graduation. Instructors give “mock” exams to test students’ knowledge of information and skills learned in the veterinary technician program. Essential skills checklist items not already covered, per American Veterinary Medical Association (AVMA) requirements, are also completed during this course. (2.5 contact hrs) Center Campus.

VETT-2620—Radiology for Veterinary Technicians—Lecture—1.50 credit hours

- Prerequisite: Admission into the Veterinary Technician program and VETT-1580 (formerly VET 262) VETT-2620 teaches veterinary technician students the fundamentals of taking and developing radiographs. Topics include positioning, how radiographs are generated, fundamentals of film processing, radiographic techniques and quality, and radiation safety procedures. Other imaging technologies include ultrasound, fluoroscopy, MRI, CT scan, and nuclear scintigraphy. (1.5 contact hrs) Center Campus.

VETT-2630—Radiology for Veterinary Technicians—Laboratory—1.00 credit hours

- Prerequisite: Admission into the Veterinary Technician program and VETT-1580 (formerly VET 263) VETT-2630 instructs veterinary technician students in taking and developing quality radiographs, while following safe radiographic procedures. Application strategies include utilizing personnel safety procedures, completion of a portfolio of various commonly performed radiographs, and manual and automatic processing of radiographs. Also covered is the alternative imaging modalities of electrocardiography and ultrasonography. (2 contact hrs) Center Campus.