Veterinary Technology

Veterinary Technology Major

Veterinary Technology is an exciting and challenging major that offers a multitude of career opportunities in animal health care and related areas. This major offers a well-rounded program of general and clinical studies. Graduates are prepared not only for traditional veterinary practice careers, but also for pursuit of emerging non-traditional careers through the choice of electives and minor areas of study.

The first pre-professional year of the Veterinary Technology program is open to all interested students and offers an opportunity to explore the veterinary technology field. Advancement into the professional program in the second year is limited to a maximum of 28 students who are selected on a competitive basis.

The Veterinary Technology program is accredited by the American Veterinary Medical Association.

Major Requirements

Major: Veterinary Technology

Degree Type: B.S.
Minimum Degree Credits to Graduate: 128

General Education Requirements for Baccalaureate Degree

- A dynamic list of approved general education courses offered by term is available on the NDSU General Education Requirements (https://www.ndsu.edu/registrar/academics/gened) website.
- General education courses may be used to satisfy requirements for both general education and the major, minor, and program emphases, where applicable. Students should carefully review the major, minor, and program emphases requirements for minimum grade restrictions, if applicable.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIV</td>
<td>Skills For Academic Success (Also offered with the following prefixes: ABEN, AGRI, BUSN, HD&amp;E, ME, NURS, PHRM)</td>
<td>1</td>
</tr>
<tr>
<td>ENGL</td>
<td>College Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL</td>
<td>College Composition II</td>
<td></td>
</tr>
<tr>
<td>COMM</td>
<td>Fundamentals of Public Speaking</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Upper Division Writing †</td>
<td></td>
</tr>
<tr>
<td></td>
<td>May be satisfied with courses required in the major. Review major requirements to determine if a specific upper division writing course is required.</td>
<td></td>
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<tr>
<td></td>
<td>Quantitative Reasoning (R) †</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Science and Technology (S) †</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Humanities and Fine Arts (A) †</td>
<td></td>
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<tr>
<td></td>
<td>Social and Behavioral Sciences (B) †</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wellness (W) †</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cultural Diversity (D) †</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Global Perspectives (G) †</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total Credits</td>
<td>40</td>
</tr>
</tbody>
</table>

* May be satisfied by completing courses in another General Education category.
† May be satisfied with courses required in the major. Review major requirements to determine if a specific upper division writing course is required.

Major Requirements

A grade of ‘C’ or better is required in all courses listed as a Major Requirement.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>VETS</td>
<td>Medical Terminology for the Paraprofessional</td>
<td>1</td>
</tr>
<tr>
<td>VETS</td>
<td>Animal Restraint</td>
<td>2</td>
</tr>
<tr>
<td>VETS</td>
<td>Companion Animal Breeds</td>
<td>1</td>
</tr>
<tr>
<td>VETS</td>
<td>Anatomy and Physiology of Domestic Animals</td>
<td>3</td>
</tr>
</tbody>
</table>
VETS 136  Anatomy and Physiology Laboratory  1
VETS 150  Introduction to the Veterinary Profession  1

**Required Core Courses for Professional Vet Tech: Must be admitted to the professional program to take the following courses.**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>VETS 255</td>
<td>Fundamentals of Veterinary Radiography</td>
<td>2</td>
</tr>
<tr>
<td>VETS 255L</td>
<td>Fundamentals of Veterinary Radiography Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>VETS 256</td>
<td>Veterinary Clinical Techniques and Instruments</td>
<td>4</td>
</tr>
<tr>
<td>VETS 357</td>
<td>Veterinary Pharmacology</td>
<td>3</td>
</tr>
<tr>
<td>VETS 358</td>
<td>Veterinary Surgical Nursing Techniques</td>
<td>2</td>
</tr>
<tr>
<td>VETS 358L</td>
<td>Veterinary Surgical Techniques Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>VETS 359</td>
<td>Veterinary Hospital Information and Procedures</td>
<td>2</td>
</tr>
<tr>
<td>VETS 385</td>
<td>Veterinary Clinical Pathology I</td>
<td>3</td>
</tr>
<tr>
<td>VETS 386</td>
<td>Veterinary Clinical Pathology II</td>
<td>3</td>
</tr>
<tr>
<td>VETS 387</td>
<td>Veterinary Clinical Pathology III</td>
<td>3</td>
</tr>
<tr>
<td>VETS 482</td>
<td>Large Animal Techniques</td>
<td>2</td>
</tr>
<tr>
<td>VETS 485</td>
<td>Veterinary Technology Externship 6-12 (Capstone Course)</td>
<td>6</td>
</tr>
<tr>
<td>VETS 481</td>
<td>Ward Care/Clinic Care (1 credit each X4)</td>
<td>4</td>
</tr>
<tr>
<td>VETS 483</td>
<td>Clinical Veterinary Practicum 1-3 (1 credit each X4)</td>
<td>4</td>
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</tbody>
</table>

**Related Core Courses Required for Professional Program**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ANSC 114</td>
<td>Introduction to Animal Sciences</td>
<td>3</td>
</tr>
<tr>
<td>ANSC 223</td>
<td>Introduction to Animal Nutrition</td>
<td>2</td>
</tr>
<tr>
<td>ANSC 370</td>
<td>Fundamentals/Animal Disease</td>
<td>3</td>
</tr>
<tr>
<td>ANSC 399</td>
<td>Special Topics (ANSC Fundamentals/Animal Disease - Small Animals and Horses)</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 111</td>
<td>Concepts of Biology (May satisfy general education category S)</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 117</td>
<td>Chemical Concepts and Applications (May satisfy general education category S)</td>
<td>3</td>
</tr>
<tr>
<td>or CHEM 121</td>
<td>General Chemistry I</td>
<td></td>
</tr>
<tr>
<td>CSCI 114</td>
<td>Microcomputer Packages (May satisfy general education category S)</td>
<td>3 or 4</td>
</tr>
<tr>
<td>or CSCI 116</td>
<td>Business Use of Computers</td>
<td></td>
</tr>
<tr>
<td>MICR 202</td>
<td>Introductory Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>&amp; 202L</td>
<td>and Introductory Microbiology Lab (May satisfy general education category S)</td>
<td></td>
</tr>
</tbody>
</table>

**Total Credits**  73-74

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1 VETS 481 Ward Care/Clinic Care & VETS 483 Clinical Veterinary Practicum 1-3 requires multiple enrollments. Students are to register four different times for each of the one credit courses.

**Degree Requirements and Notes:**

- Transfer grades must be ‘C’ or better to count towards major requirements.
- The following minor programs of study are suggested to supplement this major program of study: Agribusiness, Animal Science, Business Administration, Equine Studies, Large Animal Veterinary Technology, Microbiology, Psychology, or Range Science.