# Pre-Veterinary Medicine

## Introduction

Students interested in a career in Veterinary Medicine have the option of pursuing a major in any discipline along with completing specific prerequisites. Due to the significant biology requirements, most students pursue a major in this area. Veterinary medicine pre-requisites vary significantly from school to school. Students should work with the Pre-Medical Center to identify schools of interest and meet appropriate requirements. In addition to specific coursework, pre-vet students must gain significant experience with animals and shadow veterinarians. Many schools require the Graduate Record Exam (GRE). Students should participate in the local Veterinary Explorers organization. In addition to the information in this section, please check the general information at the pre-medical and pre-health section of the catalog.

## Joint and Early Assurance Programs

Canisius College enjoys reserved seats for our students through a Memorandum of Understanding with Ontario Veterinary College at the University of Guelph. Visit the Pre-Medical Center for additional information and specific course details.

## Recommended Pre-Veterinary Courses

Academic admission requirements vary substantially by veterinary medical school, but usually include the following courses:

### English

One year of English composition (ENG 111 & ENG 112, or students who entered Canisius prior to fall 2018 may use FYS 101 and ENG 101) or the Honors Program equivalent (HON 101 and an Honors Literature course).

### Biology

At least one year of general biology with laboratory:

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIO 111 &amp; 111L</td>
<td>Introductory Biology I and Introductory Biology Laboratory I</td>
<td>4</td>
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<tr>
<td>BIO 112 &amp; 112L</td>
<td>Introductory Biology II and Introductory Biology Laboratory II</td>
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### Chemistry

One year of general chemistry and one year of organic chemistry with laboratories:

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<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CHM 111 &amp; 111L</td>
<td>General Chemistry I and General Chemistry I Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>CHM 112 &amp; 112L</td>
<td>General Chemistry II and General Chemistry II Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>CHM 227 &amp; 227L</td>
<td>Organic Chemistry I and Organic Chemistry I Laboratory</td>
<td>4</td>
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Option 1:

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<th>Code</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>PHY 201 &amp; 201L</td>
<td>College Physics I and College Physics I Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>PHY 202 &amp; 202L</td>
<td>College Physics II and College Physics II Laboratory</td>
<td>4</td>
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Option 2:

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<tr>
<td>PHY 223 &amp; 223L</td>
<td>General Physics for Physical Science Majors I and General Physics for Physical Science Majors I Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>PHY 224 &amp; 224L</td>
<td>General Physics for Physical Science Majors II and General Physics for Physical Science Majors II Laboratory</td>
<td>4</td>
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### Mathematics

One semester of statistics (MAT 141 or PSY 201). Some veterinary schools require more math such as calculus (MAT 111).

### Additional Pre-Veterinary Course Requirements

Most schools require one semester of genetics (BIO 404) and many schools require one semester of microbiology (BIO 307).