**Pre-Dental Medicine**

**Introduction**

Students interested in a career in Dental Medicine have the option of pursuing any major along with completing specific prerequisites. Students must gain a thorough understanding of the profession through a range of shadowing experiences, demonstrate a commitment to service, and earn a competitive score on the Dental Admission Test (DAT). Students should work with the Pre-Med Advisor beginning in the first college year to select appropriate coursework based on their schools of interest, and to plan for appropriate co-curricular experiences. 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 maintains a relationship with the LECOM School of Dental Medicine (Bradenton, FL) which allows highly qualified students to gain early acceptance into dental school. Students may be admitted into this 4+4 program upon enrolling at Canisius as freshmen. Students may also apply to this program during the freshman or sophomore year.

**Recommended Pre-Dental Courses**

Academic admission requirements vary by dental school, but usually include the following courses:

**English**

One year of English composition or the Honors Program equivalent (HON 101 and an Honors Literature course).

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<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENG 111</td>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENG 112</td>
<td>Writing about Literature</td>
<td>3</td>
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Note: Students who entered Canisius prior to fall 2018 can fulfill this requirement with FYS 101 and ENG 101.

**Biology**

At least one year of general biology with laboratory:

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<tr>
<th>Code</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>BIO 111 &amp; 111L</td>
<td>Introductory Biology I &amp; Introductory Biology Laboratory I</td>
<td>4</td>
</tr>
<tr>
<td>BIO 112 &amp; 112L</td>
<td>Introductory Biology II &amp; 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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<tr>
<td>CHM 111 &amp; 111L</td>
<td>General Chemistry I &amp; General Chemistry I Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>CHM 112 &amp; 112L</td>
<td>General Chemistry II &amp; General Chemistry II Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>CHM 227 &amp; 227L</td>
<td>Organic Chemistry I &amp; Organic Chemistry I Laboratory</td>
<td>4</td>
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**Physics**

One year of introductory physics with laboratory:

Select one of the following:

- **Option 1:**
  - PHY 201 & 201L College Physics I and College Physics I Laboratory
  - PHY 202 & 202L College Physics II and College Physics II Laboratory

- **Option 2:**
  - PHY 223 & 223L General Physics for Physical Science Majors I and General Physics for Physical Science Majors I Laboratory
  - PHY 224 & 224L General Physics for Physical Science Majors II and General Physics for Physical Science Majors I Laboratory

**Additional Pre-Dental Courses**

Additional Pre-Dental courses may be needed depending on which schools students intend to apply to. Suggestions include:

**Mathematics**

Math requirements vary at the different dental schools. We recommend students take a minimum of either statistics (MAT 141 or PSY 201) or calculus (MAT 111). Chemistry majors must take MAT 141.

**Behavioral/Social Science**

One semester each of psychology (PSY 101 or PSY 102) and sociology (SOC 110). The behavioral science and humanities requirements vary at dental schools.

**Biochemistry**

Some dental schools require one semester of biochemistry. Students may take biochemistry in either the Biology Department (BIO 211-BIO 212 take both courses) or Chemistry Department (BCH 301-BCH 302 take one or both courses).

**Additional Biology**

Some dental schools have additional biology courses required. Please work with a Pre-Med advisor to select courses.