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. Students applying to dental schools receive a letter of evaluation from the Health Science Advisory and Recommendation Committee. In addition to the information in this section, please check the general information at the pre-medical and pre-health section of the catalog (http://catalog.canisius.edu/undergraduate/academics/curricular-information/pre-professional-programs/pre-medical-pre-health-professions/).

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 apply into this 4+4 program at the same time they apply to Canisius while in high school. Students may also apply to this program during the freshman or sophomore year of college. Canisius will also assist students applying into the University at Buffalo School of Dental Medicine Early Assurance Program during the 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.

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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>
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<tr>
<td>ENG 112</td>
<td>Writing about Literature</td>
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Note: Students who entered Canisius prior to fall 2018 can fulfill this requirement with FYS 101 and ENG 101. Honors students can fulfill this requirement with HON 101 or any HON literature course.

Biology

At least one year of general biology with laboratory:

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<th>Code</th>
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<th>Credits</th>
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<tr>
<td>BIO 111</td>
<td>Introductory Biology I and Introductory Biology Laboratory I</td>
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<tr>
<td>BIO 112</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>
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<tr>
<td>CHM 111</td>
<td>General Chemistry I and General Chemistry I Laboratory</td>
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1 Students may take CHM 109, CHM 110, and CHM 111L to fulfill this requirement.

Physics

One year of introductory physics with laboratory:

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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 II Laboratory

Additional Pre-Dental Recommended Courses

Additional Pre-Dental courses may be needed depending on which schools students intend to apply to. Students school work with the PreMed Center for assistance in identifying additional courses.

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 (including the University at Buffalo). 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 Science Courses

Students not majoring in the sciences should elect additional upper-level coursework in the sciences. Some dental schools have additional biology courses required. Please work with a Pre-Med advisor to select courses.