# Pre-Dentistry Course Planning Guide

## REQUIRED BY MOST PROGRAMS

<table>
<thead>
<tr>
<th>Course Subjects</th>
<th>Course Numbers and Semesters Offered</th>
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</thead>
</table>
| General Chemistry with lab |  ● CHEM 11a (fall, summer) - Strongly recommend MATH 5a or placement into MATH 10a  
  ● CHEM 11b (spring, summer) - *prereq: Chem 11a  
  ● CHEM 18a lab (fall, summer)  
  ● CHEM 18b lab (spring, summer)  
  **OR**  
  ● CHEM 15a Honors (fall)  
  ● CHEM 15b Honors (fall) - *prereq: Chem 15a  
  ● CHEM 19a Honors lab (spring)  
  ● CHEM 19b Honors lab (spring) | Yes |
| Biology with lab         | BIOL 14a (fall, spring)  
  BIOL 15b (fall, spring, summer) *  
  BIOL 12b lab (fall, summer) – *prereq: BIOL 15b  
  **OR**  
  BIOL 18b lab, Biology majors only (fall)* - *prereq: BIOL 15b  
  BIOL 12a lab (spring, summer)* - *prereq: BIOL 12b & 14a  
  **OR**  
  BIOL 18a lab, biology majors only (spring)* - *prereq: BIOL 14a & 18b | Yes |
| Organic Chemistry with lab | CHEM 25a (fall, summer) – *prereq: 1 year of General Chemistry with lab  
  CHEM 25b (spring, summer)  
  CHEM 29a lab (fall, summer)  
  CHEM 29b lab (spring, summer) | Yes |
| Physics with lab         | PHYS 10a (fall)  
  PHYS 10b (spring)  
  PHYS 18a lab (fall)  
  PHYS 18b lab (spring) | No |
| Statistics               | MATH 8a (fall, spring, summer)  
  **OR**  
  BIOL 51a (spring) – *prereq: BIOL 14a & BIOL 15b  
  **OR**  
  PSYC 51a (fall, spring, summer) – *prereq: PSYC 10a or instructor permission | Helpful |
| 2 semesters of English/Writing | 6 credits are required, can be completed as follows:  
  ● **UWS**  
  ● Any English dept. course  
  ● A course in a related department with literature in the title (e.g., HSSP 118: Viewing medicine and Health Policy through the lens of literature  
  A non-science designated WI and taught in the English language | No |
# REQUIRED BY SOME PROGRAMS

<table>
<thead>
<tr>
<th>Course Subjects</th>
<th>Course Numbers and Semesters Offered</th>
<th>Helpful</th>
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<tbody>
<tr>
<td>Calculus</td>
<td>MATH 10a (fall, spring, summer) – <em>prereq</em>. MATH 5a or placement</td>
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<tr>
<td>Intro Psychology</td>
<td>PSYC 10a (fall, spring)</td>
<td>No</td>
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<tr>
<td>Human Anatomy</td>
<td>BIOL 43b (spring) – <em>prereq</em>: BIOL 15b &amp; BIOL 16a</td>
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<tr>
<td>Human Physiology</td>
<td>BIOL 42a (fall, summer) – <em>prereq</em>: BIOL 15b &amp; BIOL 14a</td>
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<tr>
<td>Biochemistry</td>
<td>BCHM 88b (fall, summer) – <em>prereq</em>: BIOL 14a &amp; 15a; 1 year of organic chem. w/lab</td>
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<td><strong>OR</strong></td>
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<td></td>
<td>BCHM 100a (fall, spring) – <em>prereq</em>: 1 year of organic chem w/lab</td>
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<td>Microbiology with lab</td>
<td>BIOL 132a (fall) – <em>prereq</em>: BIOL 14a &amp; 15b</td>
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<td>BIOL 159a (lab, spring) – <em>prereq</em>: BIOL 18a &amp; 18 b OR BIOL 12a &amp; 12b</td>
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Prerequisite courses vary from school to school. It’s very important that you check the websites of schools you know you want to apply to in order to make sure you’re taking the courses they require. The courses in this table are a summary of the most common requirements.

* Sophomore Check-In with pre-health advisors would be helpful and is highly recommended. More information could be found on https://www.brandeis.edu/academic-services/pre-health-advising/prepare/sophomore-check-in.html

_Last Updated: July, 2024_