# Pre-Health Advising

## Pre-Genetic Counseling 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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</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) |
| 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*  
  OR  
BIOL 12a lab (spring, summer)* - *prereq: BIOL 12b & 14a*  
  OR  
BIOL 18a lab, biology majors only (spring)* - *prereq: BIOL 14a & 18b* |
| 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* |
| 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) |
| Human Genetics           | Not offered |

### REQUIRED BY SOME PROGRAMS

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<th>Course Subjects</th>
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<tbody>
<tr>
<td>Psychology</td>
<td>PSYC 10a (fall, spring)</td>
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</table>
| Cell Biology OR Molecular Biology             | BIOL 100B (spring) - *prereq: BIOL 14a and BIOL 15b*  
BIOL 105B (fall) – *prereq: BIOL14a and 15b*                                                                 | Some 2 semesters |
<table>
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<tr>
<th>Human Anatomy</th>
<th>BIOL 43b (spring) – <em>prereq: BIOL 15b &amp; 16a</em></th>
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</table>
| Biochemistry     | BCHM 88b (fall, summer) – *prereq: BIOL 14a & 15a; 1 year of organic chem. w/lab*
|                  | OR                                          |
|                  | BCHM 100a (fall, spring) – *prereq: 1 year of organic chem w/lab* |

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](https://www.brandeis.edu/academic-services/pre-health-advising/prepare/sophomore-check-in.html)