



## Pre-Health Advising

# Pre-Dentistry Course Planning Guide

### REQUIRED BY MOST PROGRAMS

Course Subjects	Course Numbers and Semesters Offered	DAT
General Chemistry with lab	CHEM 11a (fall, summer) - <i>Strongly recommend MATH 5a or placement into MATH 10a</i> CHEM 11b (spring, summer) - <i>prereq: Chem 11a</i> CHEM 18a lab (fall, summer) CHEM 18b lab (spring, summer) <b>OR</b> CHEM 15a Intensive (fall) CHEM 15b Intensive (spring) - <i>prereq: Chem 15a</i> CHEM 19a Intensive lab (fall) CHEM 19b Intensive lab (spring)	Yes
Biology with lab	BIOL 14a (fall, spring) BIOL 15b (fall, spring, summer)  BIOL 12b lab (fall, summer) – <i>prereq: BIOL 14a, BIOL 15b, and sophomore standing</i> <b>OR</b> BIOL 18b lab, Biology majors only (fall) - <i>prereq: BIOL 15b, and sophomore standing</i>  BIOL 12a lab (spring, summer) - <i>prereq: BIOL 12b, BIOL 14a, BIOL 15b, and sophomore standing</i> <b>OR</b> BIOL 18a lab, Biology majors only (spring) - <i>prereq: BIOL 18b, BIOL 14a, and sophomore standing</i>	Yes
Organic Chemistry with lab	CHEM 25a (fall, summer) – <i>prereq: 1 year of General Chemistry with lab</i> 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) <b>OR</b> BIOL 51a (spring) – <i>prereq: BIOL 14a and BIOL 15b</i> <b>OR</b> PSYC 51a (fall, spring, summer) – <i>prereq: PSYC 10a or instructor permission</i>	Helpful
2 semesters of English/Writing	Can be completed as follows: <ul style="list-style-type: none"> <li>• UWS, CSEM, and/or FYS</li> <li>• Any English dept. Course</li> <li>• A non-science designated WI and taught in the English language</li> </ul>	No

## REQUIRED BY SOME PROGRAMS

Course Subjects	Course Numbers and Semesters Offered	
Calculus	MATH 10a (fall, spring, summer) – <i>prereq. MATH 5a or placement</i>	Helpful
Intro Psychology	PSYC 10a (fall, spring, sometimes summer)	No
Human Anatomy with lab	BIOL 43b, includes lab (spring) – <i>prereq: BIOL 15b and BIOL 16a</i>	Helpful
Human Physiology with lab	BIOL 42a (fall) – <i>prereq: BIOL 15b</i> BIOL 42b lab (fall, spring) - <i>prereq: BIOL 42a or may be taken concurrently with BIOL 42a</i>	Helpful
Biochemistry	BCHM 88b (fall, summer) – <i>prereq: BIOL 14a, BIOL 15b and 1 year of organic chem. w/lab</i> <b>OR</b> BCHM 100a (fall, spring) – <i>prereq: 1 year of organic chem w/lab</i>	Helpful
Microbiology with lab	BIOL 132a (fall) – <i>prereq: BIOL 14a and BIOL 15b</i> BIOL 159a lab (spring) – <i>prereq: BIOL 12b and BIOL 12a OR BIOL 18b and BIOL 18a</i>	Helpful

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>

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