



Pre-Health Advising

Pre-Genetic Counseling Course Planning Guide

REQUIRED BY MOST PROGRAMS

Course Subjects	Course Numbers and Semesters Offered
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) OR CHEM 15a Intensive (fall) CHEM 15b Intensive (spring) - <i>prereq: Chem 15a</i> CHEM 19a Intensive lab (fall) CHEM 19b Intensive lab (spring)
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> OR 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> OR BIOL 18a lab, Biology majors only (spring) - <i>prereq: BIOL 18b, BIOL 14a, and sophomore standing</i>
Statistics	MATH 8a (fall, spring, summer) OR BIOL 51a (spring) – <i>prereq: BIOL 14a and BIOL 15b</i> OR PSYC 51a (fall, spring, summer) – <i>prereq: PSYC 10a or instructor permission</i>
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)
Human Genetics	BIOL 14a covers the core concepts of genetics and satisfies this requirement. If you would like an in-depth course in genetics, take either BIOL 72a or 128a.

REQUIRED BY SOME PROGRAMS

Course Subjects	Course Numbers and Semesters Offered
Psychology	PSYC 10a (fall, spring, sometimes summer) - <i>some programs may require 2 semesters.</i>
Molecular Biology	BIOL 101a (fall) – <i>prereq: BIOL 12b or BIOL 18b.</i> OR BIOL 105b (fall) – <i>prereq: BIOL 14a and 15b. NOTE: this is a more advanced treatment of molecular biology than BIOL 101a.</i>
Cell Biology	BIOL 100b (spring) - <i>prereq: BIOL 14a and BIOL 15b</i>
Human Anatomy with lab	BIOL 43b, includes lab (spring) – <i>prereq: BIOL 15b and BIOL 16a</i>
Biochemistry	BCHM 88b (fall, summer) – <i>prereq: BIOL 14a, BIOL 15b, and 1 year of organic chem. w/lab</i> OR BCHM 100a (fall) – <i>prereq: 1 year of organic chem w/lab</i>

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>