

STUDENTS CONSIDERING CONCENTRATING IN ONE OF THE LIFE SCIENCES SHOULD TAKE THE ONLINE CHEMISTRY AND BIOLOGY PLACEMENT EXAMS BEFORE ARRIVING ON CAMPUS. The link for the placement exams is on the Life Sciences homepage.

Life Sciences: Students are required to take the introductory sequence called Life Sciences 1a or Life and Physical Sciences A (fall semester) and 1b (spring semester) in order to graduate. Life Sciences 1a and Life and Physical Sciences A provide an integrated introduction to chemistry and molecular and cellular biology. Life Sciences 1b covers genetics, genomics, and evolution. A combination of the LS 1A/LPSA and LS 1b should give students a solid foundation in the life sciences.

Mathematics: Students generally begin the study of mathematics in their first year according to their preparation and placement scores. Neurobiology concentrators can complete the math requirement with Math 19a or 21a. Math 19a is a course on differential equations with applications in the life sciences; it is highly recommended for Neurobiology concentrators. Math 21a and Applied Math 21a are also appropriate course selections. Math 1b (Calculus) or the equivalent is required for each of these courses. If a first year student places into Math 19a or higher and successfully passes the course, then the student does not need to take a second math course, but this does not reduce the total number of credits for the concentration.

Physical Sciences: Students ordinarily take Physical Sciences 1 in the spring semester of their first year.

Advanced Placement Credits: The Neurobiology concentration does not give AP credit. The [concentration requirements](#) should be sufficient for you to get an initial idea of the scope of our program. For the moment, however, don't try to plan out your entire college career. Just make sure that for this semester, and then again for the next, you enroll in courses for which you are prepared and which will, in turn, prepare you correctly for the next stage.

For questions or concerns about concentrating in Neurobiology, please [contact us](#).