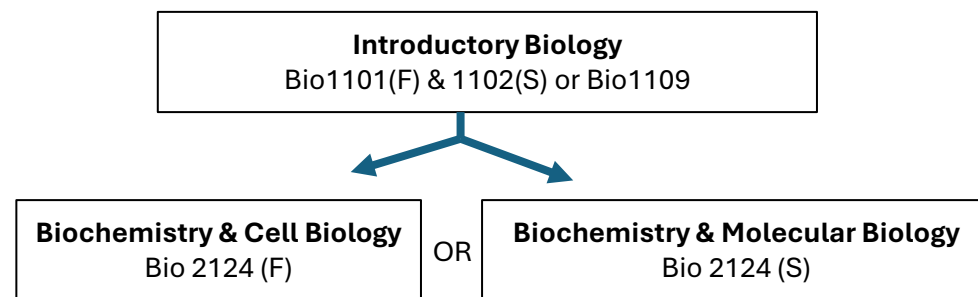
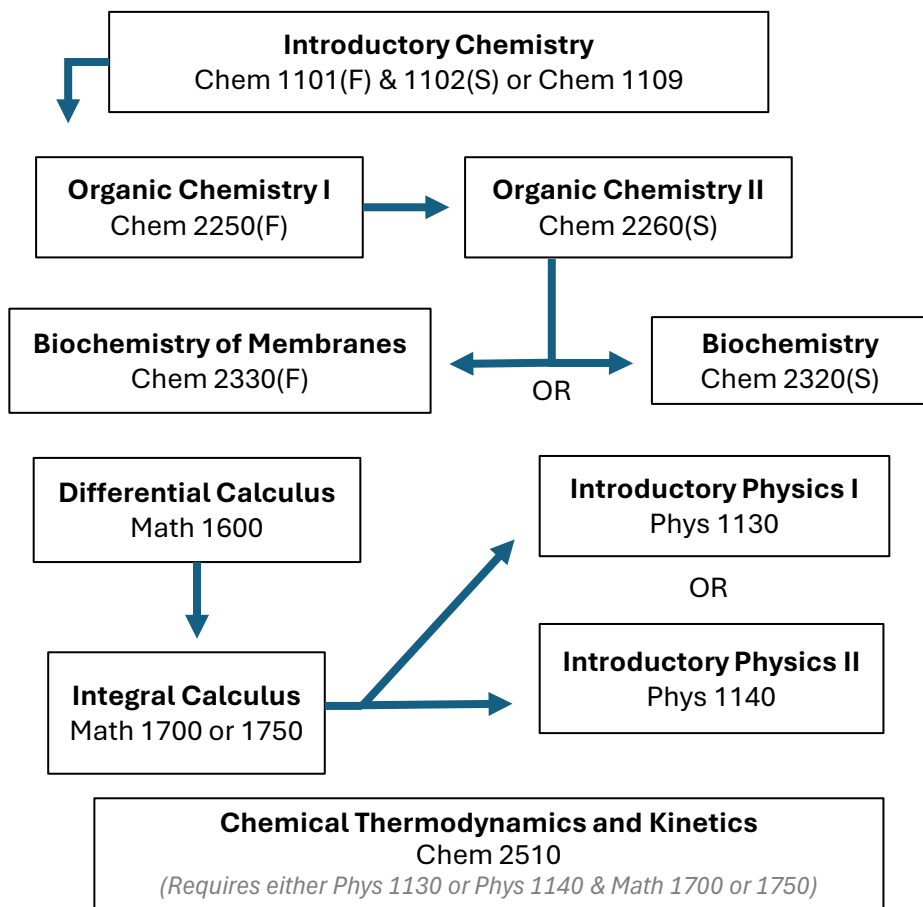


Navigating the Biochemistry Major



2 Electives Required

(1 elective must be 3000 or above)

- Biology 2210: **Plant Ecophysiology** (F)
- Biology 2112: **Genetics and Molecular Biology** (F)
- Biology 2130: **Population Genomics** (F)
- Biology 2135: **Neurobiology**
- Biology 2175: **Developmental Biology** (F)
- Biology 2214: **Animal and Human Physiology**
- Biology 2118: **Microbiology** (S)
- Biology 2210: **Plant Ecophysiology** (S)
- Biology 2316: **Evolution** (S)
- Biology 2504: **Cellular Signaling**
- Biology 2510: **Neuropharmacology**
- Biology 2553: **Neurophysiology**
- Biology 2557: **Immunology**
- Biology 2559: **Biology of Cancer**
- Biology 2566: **Molecular Neurobiology** (S)
- Biology 3280: **Plant Responses to the Environment**
- Biology 3304: **The RNA World**
- Biology 3305: **Molecular Virology**
- Biology 3307: **Evolutionary Developmental Biology** (S)
- Biology 3312: **The Human Parasitic World**
- Biology 3313: **Microbiome Science**
- Biology 3314: **Advanced Genetics and Epigenetics**
- Biology 3317: **Molecular Evolution**
- Biology 3318: **Advanced Molecular Microbiology**
- Biology 3330: **Neurobiology of Sensory Systems**
- Biology 3333: **Advanced Cell Biology**
- Biology 3368: **HIV Pathogenesis and Immunity**

- Chemistry 2100: **Quantitative Analysis** (F)
- Chemistry 3250: **Structure Determination in Organic Chemistry**
- Chemistry 3270: **Biomimetic and Supramolecular Chemistry**
- Chemistry 3310: **Chemical Biology**
- Chemistry 3320: **Molecular Biophysics**
- Chemistry 3510: **Reactivity and Kinetics**

• In planning your Biochemistry major, check the course catalogue or Workday for prerequisites for elective courses.

• Upper-level elective courses (*italics*) are not necessarily offered every year. If you intend to use a course as a Biochemistry elective, we recommend that you check with the professor to determine when the course will be offered.

• Biology, Chemistry, and Biochemistry courses taken during study away may count as electives for the Biochemistry major, but they must be approved in advance. Study away credits may not be used to replace required non-elective courses at the 2000-level or above – these courses must be taken at Bowdoin.

• Newly offered courses not shown on the electives list may also count toward the Biochemistry major. If you have a question about whether a newly offered course can count as an elective for the Biochemistry major, please contact the Biochemistry Program Director.