

BIOCHEMISTRY AND MOLECULAR BIOLOGY

https://gustavus.edu/general_catalog/current/biochem

The Biochemistry and Molecular Biology (BMB) major is intended for students interested in areas that lie at the interface between chemistry and biology, such as bioinformatics, biophysics, biotechnology, genetics, neuroscience, and pharmacology. The BMB program is characterized by a strong curriculum with a breadth of core and upper level courses in chemistry, biology, and biochemistry, a capstone experience, writing intensive courses, and research-like, investigative experiences in lab. Thus, our approach pairs an emphasis on the fundamentals with significant engagement in the practice of the discipline. Gustavus BMB students are very successful at Gustavus and in their post-Gustavus careers. Our graduates become professional biomolecular scientists in academic or industrial settings, physicians, dentists, pharmacists, and physician's assistants (to name a few).

First-year students interested in the BMB major will usually register for both BIO101 and CHE107 with the expectation that they meet the following criteria: 1) ACT of 25 or above; 2) A and B grades in high school biology and chemistry courses; and 3) possess a passion and excitement for biology and chemistry that will sustain long hours of studying to achieve mastery.

Fall	Spring
Year 1	
BIO 101 – Principles of Biology	BIO 102 – Organismal Biology
CHE 107 – Principles of Chemistry	CHE 141 – Organic Chemistry I

If these criteria cannot be met, students should register for either BIO101 or CHE107 and plan to pursue the other introductory course in his/her sophomore year.

Fall	Spring
Year 1	
BIO 101 OR CHE 107	BIO 102 OR CHE 141

For more information, please see: <https://gustavus.edu/chemistry/fourYearPlans.php#Anchor-Biochemistr-7675>