

BIOCHEMISTRY AND MOLECULAR BIOLOGY, B.S.

The Bachelor of Science with a major in biochemistry and molecular biology brings together the fields of biology, chemistry and biochemistry. Courses cover basic and advanced topics in these areas, preparing students for careers in medical or health sciences as well as future graduate studies or research on the intersection of the physical and life sciences. This degree is an ideal double major for many complementary areas of study, such as the sciences, mathematics, education and pre-health. Students gain a solid scientific foundation, written communication skills and understanding of computer programming relevant to the field.

Learning Outcomes

1. Students will explain basic and advanced concepts in biology, chemistry, and biochemistry and apply them in problem solving.
2. Students will apply computer applications and information retrieval skills to experiments and data analysis. These skills are taught in CHEM 541L and CSCE 102.
3. Students will communicate effectively orally and in writing about biochemical concepts, problems, and solutions.