

INTERDISCIPLINARY MINOR IN BIOMEDICAL ENGINEERING

Scott Bioengineering Building, Suite 225

(970) 491-7157

engr.colostate.edu/sbme/undergraduate-programs/bme-minor/ (<https://www.engr.colostate.edu/sbme/undergraduate-programs/bme-minor/>)

The Biomedical Engineering Interdisciplinary Minor offers students an interdisciplinary approach to biomedical engineering education and research. This unique program combines courses in biomedical engineering and life sciences to improve human and animal health and well-being. This 21-credit minimum minor is open to all majors, thus complementing students' major area of study, and BME minor courses may count as electives in a student's major. The program provides a solid foundation in biomedical engineering and strengthens skills in engineering and life sciences.

Learning Objectives

Students successfully completing this interdisciplinary minor will be able to:

1. Describe the scope of biomedical engineering and be able to work on and present examples of specific biomedical engineering applications.
2. Discuss primary mammalian physiological systems and relate them to engineering concepts.
3. Identify basic principles and fundamentals in biomedical engineering.
4. Apply broad knowledge, practical experiences, and creativity to solving problems at the interface of engineering and the life sciences.
5. Apply mathematics, science, and engineering to solve technical problems that impact human or animal health.
6. Discuss contemporary issues in biomedical engineering.