

BIOENGINEERING, B.S.

UNIVERSITY OF CALIFORNIA
MERCED
SCHOOL OF
ENGINEERING



WHY APPLY TO BIOENGINEERING PROGRAM, B.S.?

The Bioengineering discipline applies engineering principles to solve problems in biology and medicine.

The bioengineering major at UC Merced provides students with knowledge and skills in two major areas: (1) Biotechnology and (2) Biomedical Imaging/Bioinstrumentation.

The specialization aims at positioning students to be highly competitive in industries such as biotech, biopharma, health care, bioinstrumentation, food processing, and agriculture.

Bioengineering's broad scope and interdisciplinarity allows for a large variety of job opportunities. The bioengineering undergraduate degree also provides a solid foundation for medical and graduate schools and for careers in allied fields of government and policy.

Students meet Bioengineering faculty in the Freshman year through the introductory Bioengineering seminar course.

Apply today at admissions.ucmerced.edu/apply



**NO. 1 AMONG
PUBLIC UNIVERSITIES**
in outperforming expected
graduation rates

*(US News & World Report Best
Colleges Rankings, 2021)*



#13 IN THE NATION
for best undergraduate
teaching among public
universities

*(U.S. News & World Report Best
Colleges Rankings, 2020)*

BIOENGINEERING, B.S.



WHERE CAN I WORK?

- ▶ Bioengineers work in biotech, biopharma and chemical companies, universities, hospitals, research facilities, educational and medical institutions, and government regulatory agencies.

A TYPICAL FIRST-YEAR STUDENT'S SCHEDULE:

FALL*:

- ▶ Math 021: Calc I for Sci & Eng
- ▶ Spark 001: Spark Seminar
- ▶ BioE 021: Introduction to Computing with Python
- ▶ Chem 002: General Chem I
- ▶ BioE 001: Bioengineering Seminar

SPRING:

- ▶ Math 022: Calc II for Sci & ENGR
- ▶ PHYS 008 & Lab: Intro Physics I
- ▶ BioE 045: Introduction to Biomaterials
- ▶ CHEM 010: General Chem II

***NOTE:** Depending on your placement exam results, you may need to start in Math 005 (Precalculus), Chem 001 (Preparatory Chemistry), and/or Writing 001 (Academic Writing).

NOTE: You will select a Biotechnology or Biomedical Imaging/Bioinstrumentation track during term 3.

RESEARCH AREAS

- ▶ Biomolecular Engineering & Biophysics
- ▶ Cell Biophysics & Engineering
- ▶ Biomedical Imaging
- ▶ Molecular & Cell Cardiology



Youngest university ever to earn Carnegie R2 Research Classification (The Carnegie Foundation) and already ranked 18th

(2022 U.S. News & World Report Best Colleges Rankings)

62% of undergraduate classes have fewer than 30 students

FOUR (4) ONLINE PLACEMENT EXAMS:

- ▶ Take the 4 placement exams: Math, Chemistry, Computer Science & Engineering (CSE), Writing Readiness Review
 - Math, Chem, and CSE placement exams are available starting March 29, 2022
 - Deadline for Math, Chem, CSE: Wed. May 18, 2022
 - Writing Readiness Review is available starting May 1, 2022
 - Deadline for Writing Readiness Review: Tues. May 31, 2022

- ▶ All placement exams are free, one-time only, and available in spring only. There is no disadvantage to taking the placement exams.
- ▶ If you take a placement exam and later receive AP or IB scores that place you into a more advanced class, you will be able to take the more advanced class.
- ▶ This is also true if you complete a transferable college course during the summer and submit the official transcript to UC Merced before August 15.

Main phone: (209) 291-9739

General email: bac@ucmerced.edu

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APPLY TODAY!
admissions.ucmerced.edu/apply

The Bobcat Advising Center (BAC)
is the academic advising home for
all first year students.

For more information, visit:
bobcat-advising-center.ucmerced.edu