

# GRADUATE PROGRAM

# Biomedical Engineering



The goal of the UCI biomedical engineering program is to train students for 21st century jobs in the biomedical and biotechnology industries, health care professions and academia.

Located at a world-class research university deep in the heart of the nation's biomedical device and technology capital, we are uniquely positioned to build upon our existing research strengths.

## DEGREES OFFERED

M.Eng Concentration (9 months)

M.S. (2 years)

Ph.D. (4-5 years)

## HIGHLIGHTS

- Guaranteed 4-year Ph.D. funding
- Guaranteed on-campus Ph.D. housing
- Established BME centers with industry partners
- Industry internship opportunities

## RESEARCH FOCUS AREAS

- Biomedical Computational Technologies
- Biomedical Nanoscale Systems
- Biomolecular/Genetic Engineering
- Biophotonics
- Cardiovascular Engineering
- Neuroengineering
- Tissue Engineering

## AFFILIATED FACILITIES

- Beckman Laser Institute
- Bio-Organic Nanotechnology Lab
- Cardiovascular Innovation and Research Center (CIRC)
- Center for Advanced Design and Manufacturing of Integrated Microfluidics (CADMIM)
- Center for Complex Biological Systems
- Chao Family Comprehensive Cancer Center
- Gavin Herbert Eye Institute
- Integrated Nanosystems Research Facility (INRF)
- Laboratory for Fluorescence Dynamics (LFD)
- NSF - Simons Center for Multiscale Cell Fate Research (CMCF)
- Reeve-Irvine Research Center
- Sue & Bill Gross Stem Cell Research Center

## REQUIRED BACKGROUND

The minimum coursework requirements are six quarters of calculus through linear algebra and ordinary differential equations, three quarters of calculus-based physics, three quarters of chemistry and two quarters of biology.

## ADMISSION REQUIREMENTS

The requirements for admission are tailored to students who have a bachelor's degree in an engineering, physical science or biological science discipline with a grade point average of 3.20 or higher in their upper-division coursework.

A minimum score of 94 on the Test of English as a Foreign Language (TOEFL iBT) is recommended of all international students whose native language is not English.

## LEARN MORE!

