
WELCOME TO THE MECHANICAL ENGINEERING DEPARTMENT

Vice-Chair for Instruction: Prof. T. I. Zohdi

Student Services Office: Donna Craig, Pat Giddings and Shareena Samson

Department of Mechanical Engineering

U. C. Berkeley

TOPICS

- **OVERVIEW:** The Mechanical Engineering Department is located in Etcheverry Hall, on the Berkeley campus. The Department's research projects are primarily funded by the National Science Foundation, governmental agencies, and the many industries located around Berkeley and the Silicon Valley.
- **ME MISSION STATEMENT:** The undergraduate program in Mechanical Engineering at U.C. Berkeley seeks to provide students with a broad education emphasizing an excellent foundation in scientific and engineering fundamentals. The program prepares undergraduate students for employment or advanced studies with four primary constituencies: industry, the national laboratories, state and federal agencies, and academia (graduate research programs).
- **PROGRAM GOALS:** The goals of the Mechanical Engineering undergraduate program is to produce graduates who can apply their mechanical engineering education to address the full range of technical and societal problems creatively and confidently.

- **AREAS OF RESEARCH:**

Controls and Dynamics

Design

Fluids

Mechanics

Materials

Energy Science and Technology

Bioengineering

Computation

Manufacturing

MEMS and NANO

Mechatronics

Energy and Environment

Ocean Engineering

- **STATISTICS**

- (a) Consistently ranked either # 2 or # 3 in the US (typically tied with Stanford)
 - (b) 44 Faculty
 - (c) 21 Staff
 - (d) 348 Graduate Students
 - (e) 591 Undergraduate Students
- **Freshmen Year: Foundations in math, chemistry, physics and computing that are common to all engineers**
- **Sophomore Year: Specialization starting with courses in thermodynamics, mechanics, etc.**
- **Junior Year: Core courses begin in fluid mechanics, materials science, heat transfer, dynamics, controls, etc.**
- **Senior Year: Labs and electives to apply what you have learned in your junior year**

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- **Students have many levels of advising (WEBSITE: <http://www.me.berkeley.edu/>)**
 - ★ (a) **Student Services Office under the direction of Donna Craig, Pat Giddings and Shareena Samson**
 - (b) **Your Faculty Advisor**
 - (c) **The College of Engineering (COE) advisors)**
 - (d) **You should take advantage of these resources to help you with whatever academic issues you have throughout your career here.**
 - **General advice:**
 - (a) **You should try to get involved in student groups and research labs after your freshmen year.**
 - (b) **The ME Website has quite a bit of information on student services, courses, etc.**
 - (c) **Take 15 units per semester regardless of AP. Otherwise, it will be hard to finish your degree in 4 years. There are virtually no summer courses offered by the ME Department**

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- (d) If you have AP courses, then supplement your curriculum technical electives, related courses, humanities/social science requirements (these are in your packages).**
- The Bay Area has many offerings that have nothing to do with Mechanical Engineering: Crissy fields, Stinson Beach, Tilden Park and Muir Woods, etc-Take advantage of them!**