MECHANICAL & AEROSPACE ENGINEERING

Starting with a program in mechanical engineering in the early 1970s, the department has grown tremendously in numbers, infrastructure and reputation. The faculty are world-recognized experts in their fields and have achieved top honors and distinctions. The undergraduate programs blend fundamentals with hands-on design experience and include research opportunities in a variety of laboratories. Graduate programs are recognized nationally and internationally for their impact and scholarship.

FOUNDED

1983
Department of Mechanical Engineering

1990
expands to include aerospace

GRADUATE STUDENTS

139 2015 - 16

M.S., Ph.D. degrees
Mechanical & Aerospace Engineering

UNDERGRADUATE STUDENTS

980
2015 - 16

B.S. degrees
Aerospace Engineering
Mechanical Engineering

FACULTY & RECOGNITION

31 full-time

7 affiliated

- **4** National Academy of Engineering Members
- **1** European Academy of Sciences Member
- **1** Presidential Young Investigator Award
- **3** NSF CAREER Awards
- **1** DOE Early Career Award
- **2** Distinguished Professors
- **2** Endowed Chairs
- **2** Chancellor's Professors
- **1** Army Research Office Young Investigator Award

RESEARCH & EXPENDITURES

7 world-class centers, including 1 NSF I/UCRC

8 research thrusts

- Biomechanical Engineering
- Design & Manufacturing
- Dynamic, Controls & Robotics
- Energy & Environment
- Fluid Mechanics & Aerodynamics
- Mechanics of Solids, Structures & Materials
- Microsystems & Nanomaterials
- Power &Propulsion

2014-15 research expenditures

$10.7M

$2 $4 $6

"Anteater Engineers are at the fulcrum of innovative research, closely tied with technology, engineering and science industries."

Daniel Jaimes, '19
Ph.D. Mechanical Engineering

"My Anteater engineering education equipped me for decades of successfully developing unmanned aerial vehicles for all kinds of use."

Douglas Thorpe, '82
B.S. Mechanical Engineering

"Anteater Engineers receive a top-notch education and graduate ready to enter the workforce equipped to hold their own."

Eric Haley, '95
B.S. Mechanical Engineering

"UCI has been my home for 23 years and it's been a good life, collaborating with excellent faculty, students and staff on achieving our mission."

Ken Mease, Ph.D.
Department Chair

"I learned how to design in class, but to have real composite hands-on experience with the human powered airplane project, it's a heck of a thing to talk about in interviews."

Jacqueline Thomas, '14
B.S. Aerospace Engineering

#ANTEATERENGINEER

I AM