



With over 600 students, mechanical engineering is the largest department in the college. Students in this department develop real world skills, using both traditional mechanical engineering approaches as well as the latest computational design and advanced manufacturing techniques.

In the department's capstone senior design course, some students work with local companies to craft solutions to industrial challenges, while others design all-terrain vehicles and solar-powered boats. Still other students learn about control systems and automation by creating robots for space exploration. These skills provide our students with the education and experience they need to work in the manufacturing and business worlds, to pursue careers in the government and military or to start their own businesses.

Faculty in the department are investigating technologies that have the power to change the way we travel, use energy and produce goods. Mechanical engineering faculty are working on the macro to the nano scale to improve materials and systems and to create new products. Faculty research, in areas including design, thermal-fluids, control systems, robotics, advanced materials manufacturing and others, has the potential to impact the fields of energy production and use, transportation, manufacturing, space exploration and more.

## 2016-2017 STUDENT STATISTICS

Undergraduate

# 577

Graduate

# 46

Female

# 9%

Ethnic Minority

# 17%

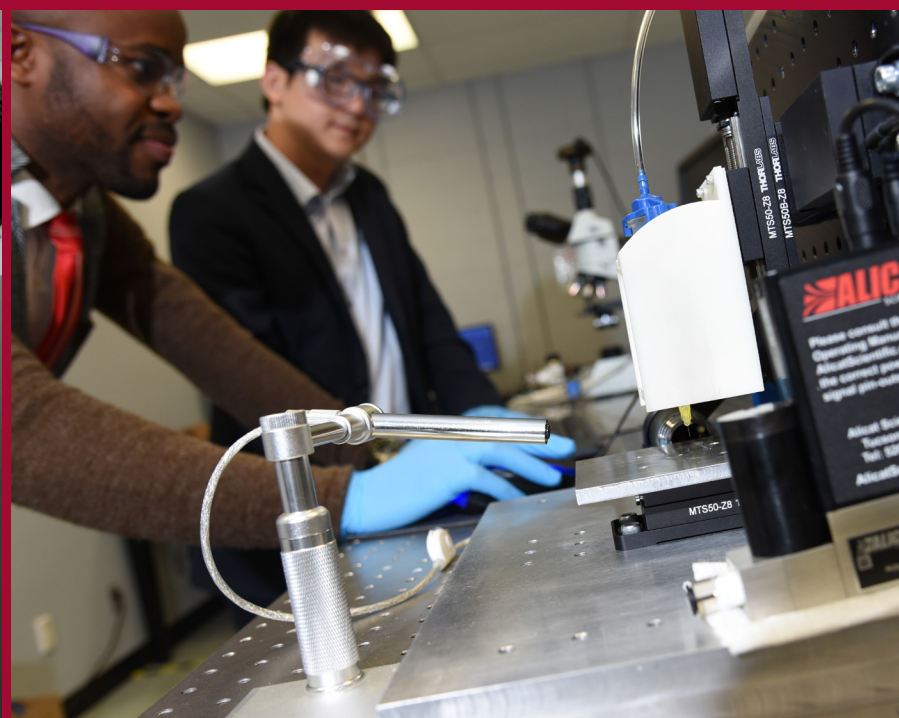
First Generation Undergraduate

# 24%

Placement<sup>1</sup>

# 76%

<sup>1</sup>Self reported percentage of students graduating in the past two years who were employed as engineers or attending graduate school within three months of graduating.





## DEPARTMENT HEAD

DARIN NUTTER

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Last Updated 7/18/2017

## RESEARCH AREAS

- Aerospace
- Control systems and robotics
- Design of systems and design theory
- Energy systems
- Fluidic systems
- Materials
- Manufacturing
- Mechanics and mechanical systems
- Nano/micro systems
- Tribology

Tenured and Tenure  
Track Faculty

**17**

## CENTERS

- Center for Advanced Surface Engineering

New Research Awards FY 2016

**\$2.4M**

## CHAIRS AND PROFESSORSHIPS

### David Jensen

The Twenty-First Century Professorship  
in Mechanical Engineering III

### Darin Nutter

The Twenty-First Century Leadership  
Chair in Engineering

### Min Zou

The Twenty-First Century Professorship  
in Mechanical Engineering II

### Wenchao Zhou

The Twenty-First Century Professorship  
in Mechanical Engineering I

## FELLOWS

- Rick Couvillion: American Society of Mechanical Engineers
- Ajay Malshe: ASM International, American Society of Mechanical Engineers, Institute of Physics (UK), International Academy for Production Engineering
- Darin Nutter: ASHRAE
- Ashok Saxena: ASM International, American Society for Testing and Materials, International Congress on Fracture
- Steve Tung: American Society of Mechanical Engineers
- Min Zou: American Society of Mechanical Engineers, Society of Tribologists and Lubrication Engineers