Whether a student is interested in the broad discipline of mechanical engineering or the more focused field of aerospace engineering, the School of Aerospace and Mechanical Engineering prepares students to solve today's problems in a variety of settings. Our undergraduate students enjoy an exceptional educational experience through innovative teaching from our faculty and participation in hands-on projects within our designated laboratories. Students also participate in our school's numerous competition teams which help develop not only engineering and interpersonal skills but also bonds that last a lifetime.

BY THE NUMBERS

650+
Undergraduate Students in AME

32
Full-Time Faculty in AME

$84,831
Average Starting Salary for OU AME Graduates

MAJORS

Aerospace Engineering
Mechanical Engineering
Mechanical Engineering: Pre-Med

Accelerated (5-year)
Dual Degree Programs
B.S./M.S. Aerospace Engineering
B.S./M.S. Mechanical Engineering

CONTACT US

(405) 325-5011
Felgar Hall, Rm. 212
www.ou.edu/coe/ame
For general questions:
goengineering@ou.edu

Terms to Know

Major—Primary area of study
Minor—Complimentary area of specialization
B.S.—Bachelor of Science
M.S.—Master of Science
M.B.A.—Master of Business Administration
M.E.S.—Master of Environmental Science

The School of Aerospace and Mechanical Engineering has provided me with many opportunities to become a successful engineer. More specifically, my involvement on Sooner Racing Team has allowed me to develop many of the necessary technical and interpersonal skills for my future career in industry.”

– Sohil Desai, AME Class of 2024

Current OU Engineering students have the opportunity to work with high school students during OU Engineering Days.
THINGS TO KNOW

1 Mechanical Engineering is one of the broadest fields in engineering; most branches of industry employ mechanical engineers. The profession encompasses breadth, flexibility, and the opportunity for great individuality. Aerospace engineers are responsible for the design, development, testing, and production of aircraft (ranging from general aviation to high-performance military aircraft and from commercial airliners to drones) and spacecraft.

2 Undergraduate students engage in experiential and hands-on learning throughout the curriculum. Students develop skills in computer-aided design, experimental data collection, computer programming, finite element analysis, project management, and a variety of other communications and analysis methods. This includes a semester-long industry or community-sponsored capstone project that ties together analysis, design, manufacturing and testing skills for senior students. Capstone industry partners have included Boeing, Tinker Air Force Base, the Federal Aviation Administration, Textron Aviation, Hitachi, the United States Postal Service, and Schlumberger.

3 Undergraduate students work on research with faculty for course credit. Research topics include robotics, combustion, 3D printing, composites, computational fluid dynamics, HVAC systems, sustainable energy and biomechanics.

SELECT COURSES
- Materials, Design and Manufacturing Processes
- Aerodynamics and Fluid Mechanics
- Biomechanics
- Computer Integrated Manufacturing
- Space Sciences and Astrodynamics

AME STUDENT ORGANIZATIONS
- American Society of Mechanical Engineers (ASME)
- American Institute of Aeronautics and Astronautics (AIAA)
- + over 40 engineering student organizations

CAREER PATHS
- NASA Houston, TX
  Aerospace Engineer
- Blue Origin Harvest, AL
  Manufacturing Engineer
- SpaceX McGregor, TX
  Test Engineer for Upper Stage
- Tesla Fremont, CA
  Associate Manufacturing Equipment Engineer
- Boeing Oklahoma City, OK
  Mechanical Reliability Engineer

Sooner Racing Team (SRT) competing at the 2023 SAE International Formula SAE event in Jackson, Michigan. SRT finished 8th in acceleration out of 76 teams.