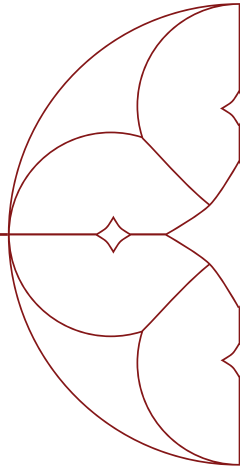




SCHOOL OF AEROSPACE AND MECHANICAL ENGINEERING



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



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

CONTACT US

(405) 325-5011
Felgar Hall, Rm. 212
www.ou.edu/coe/ame

For general questions:
goengineering@ou.edu

“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

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



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.



Students participating in Aerospace Engineering Day.

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.