Whether students are interested in the broad field of mechanical engineering or the specialized area of aerospace engineering, the School of Aerospace and Mechanical Engineering equips them to address contemporary challenges in various environments. Our undergraduates benefit from an outstanding educational experience, characterized by innovative teaching from our faculty and hands-on projects in our dedicated laboratories. Additionally, students engage in various competition teams and research which helps in fostering the development of both engineering and interpersonal skills, as well as forming lifelong bonds.

**BY THE NUMBERS**

- **700+** Undergraduate Students in AME
- **32** Full-Time Faculty in AME
- **$75,943** 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

"The School of Aerospace and Mechanical Engineering not only provides an excellent education but also fosters a strong sense of community. The professors and staff are highly approachable, and their dedication to students’ success is evident. Additionally, the student body has created a close-knit, family-like environment."

– Brooke Rogachuk, Aerospace Engineering Class of 2026

**Contact Us**

(405) 325-5011
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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 OU Design/Build/Fly (DBF) team with their meticulously crafted aircraft; the team placed 17th in the 28th Annual Design/Build/Fly AIAA competition.
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, Wilspec Technologies, Hitachi, the United States Postal Service, and Spiers New Technologies.

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

SELECT COURSES
- Materials, Design and Manufacturing Processes
- Aerodynamics/Aerospace Systems Design
- Fluid Mechanics/Design Practicum
- 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

The OU Aerospace Propulsion Outreach Program (APOP) team presented their poster and reverse thruster design at the annual competition held at the Air Force Research Laboratory; the team placed second.