

# Mechanical Engineering



TEXAS TECH UNIVERSITY

Edward E. Whitacre Jr.  
College of Engineering



## Why Mechanical Engineering?

- Mechanical Engineering is the practice of using applied physics to solve real world problems and is one of the most diverse fields in engineering.
- Students earning a degree in Mechanical Engineering can pursue careers in aerospace, automotive, petroleum, petrochemicals, electrical power, electronics, semiconductors and computers, manufacturing, healthcare, and research positions in academia and government laboratories.
- Mechanical Engineers have an Average Annual Salary of \$80,245.

## Why Texas Tech?

- Mechanical engineering is the largest major in the engineering college at Texas Tech University.
- The Department is ranked in the top 25 in producing B.S.M.E. graduates according to ASEE.
- We currently boast a 20:1 student to faculty ratio and offer additional courses in popular areas such as aerospace, healthcare, and forensic engineering.

**Connect  
with us!**

<https://www.dep.ts.ttu.edu/me/>

(806) 742-3563



# State-of-the-Art Instructional Labs

## Charles H. Feltz Controls Systems Laboratory

This lab provides hands-on learning experience to:

- Perform I/O and data processing with computer and microcontrollers
- Design and build analog and digital circuits
- Synthesize capabilities of computer-based controller or microcontroller hardware and software

## Rentz Family Materials Testing and Metallurgy Laboratory



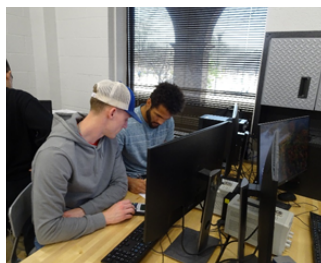
This lab offers students hands-on learning experience:

- Operating test equipment such as tensile tester, impact tester, cantilever beam, strain indicator, etc.
- Testing and studying mechanical properties of metal alloys
- Characterizing and analyzing the microstructures of materials

## McDermott Advanced Manufacturing and Prototyping Facility

This facility provides hands-on learning experience in manufacturing:

- Traditional Manufacturing Technologies
- Advanced CNC Capabilities
- Additive Manufacturing
- 3D Printing on Metals, Plastic and other materials



Innovate and Connect

## Capstone Design

Our senior capstone design project focuses on innovation where students put their engineering skills to the test working on a novel design utilizing our advanced facilities

## Student Organizations

Our department supports many student organizations: ASME, Formula SAE, Pi Tau Sigma Honor Society, Raider Aerospace Society, Society of Women Engineers, National Society of Black Engineers, Women in ME, Robotics and Advanced Tech Society

