



## What can I do with a Major in...

**Major:** Mechanical Engineering Technology

### **O\*net Outlook Link to Career Titles**

[Mechanical Engineering Technicians](#) InDemand

[Mechanical Engineers](#) InDemand

[Mechanical Drafters](#) InDemand

[Engineering Teachers, Postsecondary](#)

[Electronics Engineering Technicians](#) InDemand

[Electrical Engineering Technicians](#) InDemand

[Agricultural Engineers](#)

[Computer Software Engineers, Systems Software](#) InDemand

[Industrial Engineering Technicians](#) InDemand

[Biomedical Engineers](#) InDemand

[Engineering Managers](#) InDemand

[Chemical Engineers](#) InDemand

[Marine Engineers](#)

[Civil Engineering Technicians](#) InDemand

[Mechanical Inspectors](#)

[Computer Software Engineers, Applications](#) InDemand

[Environmental Engineering Technicians](#) InDemand

[Sales Engineers](#) InDemand

### **Knowledge, Skills and Abilities Learned with this Degree:**

#### **Knowledge:**

Engineering and Technology

Computers and Electronics

Mathematics

Mechanical

Production & Processing

Design

Maintenance

#### **Skills:**

Troubleshooting

Repair

Equipment Maintenance

Complex Problem Solving

Judgment and Decision Making

Operation Monitoring

## Critical Thinking

### **Abilities:**

Deductive and Inductive Reasoning  
Near Vision  
Oral & Written Comprehension and Expression  
Speech Clarity  
Visualization  
Number Facility  
Problem Sensitivity  
Information Ordering  
Category Flexibility

### **Links:**

Job Search Websites:

[The Riley Guide](#)

[Dice dot Com](#)

[Electrical Engineer dot Com](#)

[Engineering Central](#)

[Engineers International](#)

[Just Engineers dot Net](#)

[Top USA Jobs dot Net](#)

[Global Energy Jobs](#)

Associations:

[Society of Women Engineers](#)

[IEEE](#)

[American Electronics Association](#)

[Association of Energy Engineers](#)

[Society of Hispanic Professional Engineers](#)

### **Examples of Employers Recruiting UNT Mechanical Engineering Technology Majors:**

Alcatel

AMX Corporation

ASRC Aerospace Corp

Ayoka LLC

Bartlett & West Engineers, Inc.

Bemidji State University

Burlington Northern Santa Fe Railway (BNSF)

Business Control Systems, LP

Cardinal FG

Crisp Industries, Inc.

Daktronics

Deer Automation Engineering

DRS Infrared Technologies, LP

Eagle Construction and Environmental Services

eFulgent

Frito-Lay, Inc.

Fujitsu Network Communications

Glen-Gery Brick

Homeyer Engineering

ICI Paints  
IMC, Inc.  
Intervoice, Inc.  
MultiCam, LP  
National Switchgear Systems  
NCH Corporation  
Nokia  
Nortel  
Northrop Grumman  
Objectsoft Group Inc.,  
Paccar, Inc./Peterbilt Division  
Pave Systems Inc.  
Performance Door and Hardware, Inc.  
Perot Systems Corporation  
Sabre Holdings  
Sierra Infosys Inc.  
Softpath System, LLC  
Southern DataStream  
Spirent Communications  
TAC 5  
Tektronix Texas LLC.  
Temple-Inland  
Terex - Unit Rig  
Texonics, Inc.  
The Stanley Works 1 50 0  
Trium Corp  
Tuboscope Pipeline Services  
TYG Products, L.P.  
United McGill  
Wellmark International  
XTO Energy Inc.

### **Majoring in Mechanical Engineering Technology:**

The mechanical engineering technology program is built upon a strong foundation of science, mathematics and technical course work designed to meet the diverse needs of a mechanical engineering technologist.

In this program, you will study data collection and analysis, documentation, mechanical design, industrial operation, fluid mechanics, thermodynamics, heat transfer, product design and development, assembly and detail drawing of machine parts, computer-aided engineering, engineering graphics, manufacturing processes and materials, strength of materials, and quality assurance.

The mechanical engineering technology program is integrated with the manufacturing engineering technology program so students learn about the design and manufacturing process. Computer-aided design, engineering and manufacturing software are in the many computer labs at UNT's Research Park.

The mechanical engineering technology program is accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology [ 111 Market Place, Suite 1050, Baltimore, Md. 21202, telephone (410) 347-7700]. That accreditation means the program has passed strict academic standards for excellence in education.

Faculty members have degrees in aerospace, civil, electrical, mechanical, metallurgical and nuclear engineering and engineering technology. They average 10 years of industrial experience. Faculty members have worked for organizations such as Airgas Inc., Boeing Military, Electrotest, General Dynamics (Lockheed Martin), General Electric, Integrated Technologies Inc., and Los Alamos National Laboratory, among others.

### **Career Potential:**

Do you enjoy working with mechanical devices, drawing mechanical components, or science? Are you creative and want to be involved in engineering design? Perhaps you should consider majoring in mechanical engineering technology.

Mechanical engineering technology focuses on the design and analysis of products, tools and machines and their components. Career opportunities for a mechanical engineering technologist range from being a mechanical engineer to working in the aerospace or defense industries. Depending on location and experience, graduates could earn from \$40,000 to \$60,000 a year.

To advance in the field of mechanical engineering technology, you may need to earn a master's degree. UNT has one of the nation's largest engineering technology graduate programs. To teach mechanical engineering technology at a university, you may need to earn a doctoral degree.

UNT's [Career Center](#) can help you prepare to pursue your career. The center has information about jobs and employers. The staff can help you with resume and letter writing, job search strategies and interview preparation.

### **Getting Hands on Experience:**

The engineering technology department receives thousands of dollars per year in research projects and grants. Current faculty research interests include conceptualized systems, corrosion, cryogenic power sources, curriculum development, engineering/operations management, environmental concerns, finite element techniques, fluid dynamics, highway illumination, industrial adhesives, industrial training, materials engineering, metal and ceramic matrix composites, plastics processing, process control systems, space nuclear reactors, surface coatings, transportation studies, and welding and joining. For a senior project, you may work in one of these areas with a faculty member and/or for an industrial sponsor.