



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

**Major:** Electronics Engineering Technology

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

[Electrical Engineering Technicians](#) InDemand

[Electronics Engineering Technicians](#) InDemand

[Electrical Engineers](#) InDemand

[Engineering Teachers, Postsecondary](#)

[Computer Hardware Engineers](#) InDemand

[Mechanical Engineering Technicians](#) InDemand

[Electronics Engineers, Except Computer](#) InDemand

[Agricultural Engineers](#)

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

[Electrical Drafters](#) InDemand

[Industrial Engineering Technicians](#) InDemand

[Construction and Building Inspectors](#) InDemand

[Chemical Engineers](#) InDemand

[Engineering Managers](#) InDemand

[Marine Engineers](#)

[Electrical and Electronic Inspectors and Testers](#)

[Electrical and Electronics Repairers, Commercial and Industrial Equipment](#) InDemand

### **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](#)

### **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

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**Associations:**

[Society of Women Engineers](#)  
[IEEE](#)  
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[Society of Hispanic Professional Engineers](#)

**Examples of Employers Recruiting UNT Electronics 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 Electronics Engineering Technology:**

As an electronics engineering technology major, you will study automatic control systems, circuit analysis, digital logic and digital systems, network analysis, linear electronics, digital signal processing, microprocessors, computers, and circuit board design and VLSI. The program builds on a strong foundation in mathematics and

science and includes computer use as an integral part of all courses. Laboratory assignments and projects are an integral part of every course in the curriculum. The development of technical communication and presentation skills is required throughout the curriculum.

Your technical background will be further enhanced by taking other engineering technology courses. Courses are available in construction engineering technology, manufacturing engineering technology and mechanical engineering technology.

The electronics 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], meaning the program has passed strict academic standards for excellence in education.

The department's 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, Houston Engineering and Research, Integrated Technologies Inc., Los Alamos Scientific Laboratory, i2 Technologies among others.

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

The engineering technology department receives thousands of dollars per year in research projects and grants. Current faculty research interests include biomedical optics, 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, optical telecommunications, plastics processing, process control systems, space nuclear reactors, surface coatings, transportation studies, VLSI 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.

### **Career Potential:**

As an electronics engineering technologist, you may design, develop, test, install, operate and maintain telecommunications equipment, computers, machinery controls, motors, control and data acquisition systems, and other electronics equipment for high-tech companies. The knowledge gained in your pursuit of a bachelor of science degree could also lead to careers such as:

- electronics engineer
- software engineer
- test and evaluation engineer
- maintenance engineer
- sales engineer
- customer service engineer
- applications engineer

To advance in the field of electronics 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 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.