



What can I do with a Major in...

Major: Electrical Engineering

O*net Outlook Link to Career Titles

[Electrical Engineering Technicians](#) **InDemand**

[Electronics Engineering Technicians](#) **InDemand**

[Electrical Engineers](#) **InDemand**

[Engineering Teachers, Postsecondary](#)

[Mechanical Engineering Technicians](#) **InDemand**

[Electronics Engineers, Except Computer](#) **InDemand**

[Electrical Drafters](#) **InDemand**

[Electrical Power-Line Installers and Repairers](#) **InDemand**

[Electrical and Electronic Equipment Assemblers](#)

[Construction and Building Inspectors](#) **InDemand**

[Marine Engineers](#)

[Electrical and Electronic Inspectors and Testers](#)

[Engineering Managers](#) **InDemand**

[Maintenance and Repair Workers, General](#)

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

[Civil Engineering Technicians](#) **InDemand**

[Electrical and Electronic Engineering Technicians](#) **InDemand**

[Environmental Engineering Technicians](#) **InDemand**

[Industrial Engineering Technicians](#) **InDemand**

[Electricians](#) **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](#)

Knowledge, Skills and Abilities Learned with this Degree:

Knowledge:

Engineering & Technology
Computers and Electronics
Mathematics
Design
Physics
Production & Processing

Skills:

Trouble Shooting
Critical Thinking
Technology Design
Systems Analysis
Judgment & Decision Making
Time Management

Abilities:

Deductive Reasoning
Near Vision
Problem Sensitivity
Information Ordering
Mathematical Reasoning
Written & Oral Comprehension and Expression
Visualization

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Associations:

[Society of Women Engineers](#)

[IEEE](#)

[American Electronics Association](#)

[Association of Energy Engineers](#)

[Society of Hispanic Professional Engineers](#)

Examples of Employers Recruiting UNT Electrical Engineering Majors:

AMX Corporation

ASRC Aerospace Corp

Avature

Avionics International Supply, Inc.

Ayoka LLC
Capital One
Cardinal FG
Cornerstone Automation Systems Incorporated
Daktronics
DRS Infrared Technologies, LP
Ericsson Farmers Electric Cooperative
Fluidic Techniques
Frito-Lay, Inc
Imperial Group
Kimberly-Clark Corporation
KWES-TV 1
Mentor Graphics Corporation
Micronet Communications, Inc.
Neiman Marcus Direct
Nokia
Nortel
PAJ, Inc. 1
Pampa, TX Company
Perot Systems Corporation
Process Data Control Corp (PDC Corp)
Prologistix
Raytheon Company
Sierra Infosys Inc.
Signicast Corporation
Spirent Communications
TAC
Tektronix Texas LLC.
Texas Department of Transportation
The Stanley Works
Xtera Communications

Majoring in Electrical Engineering:

UNT offers an innovative undergraduate program leading to a bachelor of science degree in electrical engineering. This design- and project-oriented program integrates concepts, analysis, design and development of the state-of-the-art electrical and electronic systems with strong industrial and relevant content. Through your course work, you will gain “learning-to-learn” experiences in projects that are taught jointly by faculty members and experts from industry. The active learning emphasizes knowledge and skills that you need to solve real-world electrical engineering problems. Also, a one-year sequence of business and marketing courses will help you achieve a global outlook for your profession.

The electrical engineering course work covers areas in electronics, communication systems, computer systems, VLSI design, electromagnetics and signal processing. The design projects are integrated into the course work so that you can learn how to solve practical engineering problems in a creative and relevant setting. In addition, the course work ensures that you will have an opportunity to solve multidisciplinary engineering problems, to foster leadership by working in teams, and to develop effective oral and written communication skills.

You will also study art, business, management, humanities, chemistry, social sciences, professionalism and engineering ethics, which fulfill objectives appropriate to the electrical engineering profession.

The bachelor of science degree in electrical engineering is a new program designed to meet the criteria of Accreditation Board for Engineering and Technology, Inc. Accreditation for this degree will be sought as soon as students graduate from the program.

Career Potential:

Electrical engineers design electrical and electronic systems in computers, household appliances, televisions, communications equipment, automobiles, airplanes, satellites and the space shuttle. This requires understanding of electronic circuits, measurement systems, digital signal processing, computer-aided design (CAD), microprocessors and wireless communication. To be qualified as an electrical engineer, you will need at least a bachelor's degree in electrical engineering. A master's degree is desired for your professional career.

Upon graduation, you will have basic design, experimental and communication skills needed for continued study at the graduate level or for positions that require knowledge in electrical engineering. You will also have a broad liberal arts background to help you with your personal development. You can pursue advanced degrees in careers other than engineering, for example, in law, medicine or business administration.

Electrical engineers have rewarding careers in various industrial and government sectors with job responsibilities in design, research and development, operations, maintenance, marketing, sales and administration. Electrical engineers may work in companies that are developing sensors and instrumentation, semiconductor integrated devices, computers, telecommunication systems, wireless networks, audio and video home entertainment systems, consumer electronics, aerospace and aviation systems, medical electronics, imaging techniques, and others.

The Dallas- Fort Worth region has been especially attractive and rewarding for electrical engineers in recent years. Numerous local, national and international high-tech companies offer excellent career opportunities for undergraduates and graduates in electrical engineering.

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