



What can I do with a major in Electrical Engineering

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The information below describes typical occupations and employers associated with this major.

Understand that some of the options listed below may require additional training.

Moreover, you are not limited to these options alone when choosing a possible career path.

Description of Electrical Engineering

The Department of Electrical & Computer Engineering continues an outstanding tradition of preparing students for careers in a variety of engineering fields. Since the Department was formed in 1952, we have granted approximately 1,000 Bachelor of Science degrees in Electrical Engineering. The degree program is accredited by ABET.

Originally, the department emphasized the core electrical engineering disciplines of power systems, controls, and electronics. In recent years, we have expanded our course offerings to meet your demands and have included computer engineering areas as well. While you receive a degree in electrical engineering for accreditation purposes, you have the option of selecting either educational track. The electrical engineering track emphasizes electronics, controls, and digital systems to provide you with a solid background to work in a variety of industrial positions. The computer engineering track emphasizes digital systems, networks, and software issues. Graduates of this track normally work with the design and operation of digital computer or communication systems.

Regardless of the track you select, you have the opportunity to take a wide variety of senior electives. The department works with other engineering faculty and advanced industry practitioners to offer courses such as artificial intelligence, computer interface design, computer graphics, and forensic engineering. In addition, the program is designed to allow you the chance to earn minors in mathematics, computer science, or engineering psychology.

Possible Job Titles of Electrical Engineering Graduates (Includes Full-Time, Internships & Co-Ops)

*(*Jobs secured as reported by CBU Career Services post-graduate survey)*

Associate Attorney	Electrical Engineering Technician	Quality Assurance Engineer*
Associate Engineer	Engineer	Quality Assurance Manager*
Computer Science/Engineering Instructor	Engineering Manager/Electrical	Research Associate
Computer Scientist	Firmware Systems Engineer	Senior Consultant - Electrical Engineer
Controls Engineer	Inside Sales Engineer*	Senior Managing Engineer
Diffusion Process Engineer	Patent Associate	Test Engineer
Director, Resource Use Science	Patent Examiner	Software Developer
Electrical Engineering Coop	Project Engineering (Electrical)	Software Development Lead

Possible Employers and Employment Settings for Electrical Engineering Graduates

*(*Jobs secured as reported by CBU Career Services post-graduate survey)*

Agilent	Exponent	Orbital Sciences Corporation
AT&T	Franklin Electric	Philips Emergency Lighting*
Banner & Witcoff, Ltd	Freescale Semiconductor	QinetiQ North America
Bomgar	Garmin	Rain Bird Corporation
CertainTeed	General Dynamics*	Regal-Beloit
Cisco Systems*	GTA	SAIC
DAK Americas	Haley Stuart LLC	Signature Advertising & Marketing*
Department Of Agriculture	John Deere	Silicon Laboratories
Department Of Commerce	Keurig, Incorporated	St. Jude Children's Hospital*
Department of the Air Force	LoJack	Starkey Hearing Technologies
Department of the Army	Luminant	The Babcock & Wilcox Companies
Ducommun Incorporated	McKean Defense Group	Watchfire Signs
Entergy*	Mitre Corporation	Wm. Wrigley Jr. Company
Engineering Systems, Inc.	OE Power Systems*	Xyntek, Inc

Skill Sets and Interests Associated with Electrical Engineering Majors

Analyze ideas and use logic	Express ideas clearly	Perceive and Visualize
Analyze user needs & requirements	Identify patterns	Reading Comprehension
Communicate	Identify problems	Reason and Problem Solve
Computer Skills	Innovate	Solve problems
Critical Thinking	Judge the costs and benefits	Time Management
Design equipment & technology	Listen to others, ask questions	Work well with people
Develop rules & guidelines	Measure and improve performance	

Top Career Services Resources for Electrical Engineering Majors

Career Resources Library (Buckman 207)
CareerLinX: <https://cbu-csm.symplicity.com/students/>
Memphis Business Journal, Book Of Lists

Sign up for a free account and find out what careers you might be a fit for using:

TypeFocus: www.typefocus.com (Access Code: CBU8998)
SIGI 3: www.tinyurl.com/cbusigi

CBU Campus Contacts Associated with Electrical Engineering

Dr. John Ventura - Chair, Associate Professor
(901) 321-3429 - jventura@cbu.edu

Leslie M. Herlihy - Administrative Assistant
(901) 321-3405 - ldunn@cbu.edu

Additional Resources/Contacts for Electrical Engineering Majors

Institute of Electrical and Electronics Engineers: www.ieee.org
National Society Of Professional Engineers: <http://www.nspe.org/>