Bachelor's Degree Program

ELECTRONICS ENGINEERING TECHNOLOGY

COLLEGE OF
ENGINEERING & INFORMATION SCIENCES

PROGRAM AVAILABILITY

The Electronics Engineering Technology degree program is only offered on-site. For students interested in an online degree program, please refer to the Engineering Technology – Electronics program guide for more information.

ABOUT THIS DEGREE PROGRAM

Electronics are the core of everything from personal communication devices to sophisticated medical equipment, to the cars and trucks we drive. The Electronics Engineering Technology (EET) degree program at DeVry University can prepare you with the skills needed for designing, building and improving tomorrow's electronic products and systems. DeVry University has a long history of preparing individuals to work in the electronics industry.

As a student, you can work with the latest technologies and designs, plus test new ones, providing you with real-world insight. You can learn key troubleshooting skills and become immersed in today's engineering hardware and software technologies. You can also learn how to lead and/or be a part of a technical team.

In addition, Electronics Engineering Technology students can specialize in the area of Renewable Energy.

Tech Path
This degree program offers the option for a tech-centric plan of study. The modern workplace is interconnected and technology-dependent. That's why we put tech at the core of many degree programs and courses. Students in the Tech Path learn to leverage technology, connecting people, processes, data and devices to solve real-world business problems.

GENERAL EDUCATION COURSEWORK

At DeVry University, we believe in the value of a comprehensive education. This means broadening your knowledge and skill sets beyond the area of your degree program, to help prepare you to succeed in today's diverse and evolving workplace.

From day one, you can learn important analytical and communication skills, such as problem-solving, reasoning and analysis, academic and professional writing, and mathematics and statistics skills. These skills can better equip you to work across cultures and understand a wide range of concepts that influence your area of study.

General Education Coursework:
- Communication Skills
- Humanities
- Mathematics
- Natural Sciences
- Social Sciences

Please refer to DeVry's academic catalog for a detailed list of General Education courses.

The following General Education courses are part of the DeVry Tech Path.

ENGL112	Composition
ENGL135	Advanced Composition
ENGL216	Technical Writing
SPCH275	Public Speaking
HUMN303	Introduction to Humanities
ETHC445	Principles of Ethics
LAS433	Technology, Society and Culture
ECON312	Principles of Economics
SOCS185	Culture and Society
SOCS325	Environmental Sociology
CARD405	Career Development
COLL148	Critical Thinking and Problem Solving

CORE-DEGREE COURSEWORK

ALL of these courses

CEIS100	Introduction to Engineering Technology and Information Sciences
CIS170C	Programming with Lab
CIS247C	Object-Oriented Programming with Lab
CIS355A	Business Application Programming with Lab
COMP122	Structured Programming with Lab
COMP220	Object-Oriented Programming with Lab
ECET105	Digital Fundamentals with Lab
ECET110	Electronic Circuits and Devices I with Lab
ECET210	Electronic Circuits and Devices II with Lab
ECET220	Electronic Circuits and Devices III with Lab
ECET230	Digital Circuits and Systems with Lab
ECET299	Technology Integration I

DID YOU KNOW?

The Electronics Engineering Technology (EET) degree program is accredited, by location, by the Engineering Technology Accreditation Commission of ABET (ETAC of ABET) www.abet.org. The most recent information the status of ETAC of ABET accreditation of a location's program is available in the Academic Catalog and at http://www.devry.edu/academics/accreditation.html. ABET is the recognized accreditor for college and university programs in applied science, computing, engineering and engineering technology that has provided quality assurance in higher education for over 80 years.

Programs, course requirements and availability vary by location. Some courses may be available online only. All students enrolled in site-based programs will be required to take some coursework online and, for some programs and locations, a substantial portion of the program may be required to be completed online. DeVry's academic catalog, available via devry.edu/catalogs, contains the most current and detailed program information, including admission, progression and graduation requirements. Information contained herein is effective as of date of publishing.

Courses in blue are part of the DeVry Tech Path

DeVry University

Bachelor's Degree Program
Electronics Engineering Technology

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CAREERS IN ELECTRONICS ENGENEERING TECHNOLOGY

Electronics engineers are sought after in many different industries — from consumer product design, to medical device manufacturing to communications. Your ability to design and develop these solutions can make you a valuable asset to any team.

DeVry University's Electronics Engineering Technology degree program focuses on advanced skill development, using the most current tools and techniques. You can gain experience using the same industry-standard workstations and virtual instrumentation technologies found in engineering firms around the world. You can also build on the written and verbal communication skills that will help you lead teams of engineers to solve 21st century business and electronics challenges.

Graduates of DeVry University's Electronics Engineering Technology degree program may consider careers including, but not limited to, the following:

- Application Engineer
- Computer Systems Analyst
- Customer Service Engineer
- Electrical Engineering Technician
- Electronics Technician
- Electronics Engineering Technician
- Engineering Technician
- Field Service Engineer
- Integration Engineer
- Manufacturing Technician
- Sales Engineer
- Test Engineer/Technologist

For comprehensive consumer information, visit devry.edu/studentconsumerinfo. Important information about the education debt, earnings and completion rates of students who attended this program can be found at devry.edu/beet-ge. For additional program information, visit devry.edu/beet.

In New York, DeVry University operates as DeVry College of New York.

DeVry University is accredited by The Higher Learning Commission (HLC), www.hlcommission.org. DeVry is certified to operate by the State Council of Higher Education for Virginia. Arlington Campus – 2450 Crystal Dr., Arlington, VA 22202. DeVry University is authorized for operation by the THEC. www.tn.gov/thec Nashville Campus - 3343 Perimeter Hill Dr., Nashville, TN 37211. To report unresolved complaints to the Illinois Board of Higher Education, visit their webpage at http://complaints.ibhe.org/ or by mail to the Illinois Board of Higher Education, 1 N. Old State Capitol Plaza, Suite 333, Springfield, IL 62701-1377. Program availability varies by location. ©2016 DeVry Educational Development Corp. All rights reserved. Version 12/08/16

KNOWLEDGE AND SKILLS

ENGINEERING AND TECHNOLOGY — Use knowledge of the practical application of engineering science and technology. This includes applying principles, techniques, procedures and equipment to the design and production of various goods and services.

COMPUTERS AND ELECTRONICS — Gain knowledge of circuit boards, processors, chips, electronic equipment and computer hardware and software, including applications and programming.

CONTROLS AND MECHATRONICS — Learn the electronic control of mechanical systems, covering sensors and transducers, signal conditioning, actuators, controllers, system models, system transfer functions and dynamic system response.

SIGNAL PROCESSING — Explore analog signal processing (ASP) and digital signal processing (DSP), with emphasis on DSP, and program ASP and DSP chips for applications in communications, control systems, digital audio processing and digital image processing.

MAINTENANCE AND REPAIR — Service, repair, calibrate, regulate, fine-tune or test machines, devices and equipment that operate primarily on the basis of electrical or electronic (not mechanical) principles.

COMMUNICATIONS AND NETWORKING — Examine principles of data communications, including noise effects, multiplexing and transmission methods. Apply protocols, architecture and performance analysis of local and wide area networks.

ANALYZING DATA OR INFORMATION — Identify the underlying principles, reasons or facts by breaking down information or data into separate parts.

DESIGN — Understand the use of design techniques, tools, and principles involved in the production on electronic equipment, schematics, drawings and models.

COMPLEX PROBLEM SOLVING — Identify complex problems and review related information to develop and evaluate options and implement solutions.

PROGRAM-SPECIFIC COURSEWORK

ALL of these courses

COMP274	Application Programming with Lab
ECET310	Communications Systems with Lab
ECET330	Microprocessor Architecture with Lab
ECET340	Microprocessor Interfacing with Lab
ECET350	Signal Processing with Lab
ECET365	Embedded Microprocessor Systems with Lab
ECET375	Data Communications and Networking with Lab
ECET390	Product Development
ECET402	Mechatronics with Lab
ECET492L	Senior Project Development Lab I
ECET493L	Senior Project Development Lab II
ECET494L	Senior Project Development Lab III
ECET497	Technology Integration II

12 semester hours from these courses

ECET360	Operating Systems with Lab
ECET370	Data Structures and Algorithms with Lab
ECET380	Wireless Communications with Lab
ECET405	Industrial Process Control Systems with Lab
ECET410	Control Systems Analysis and Design with Lab
ECET420	Real-Time Operating System Design with Lab
ECET425	Broadband Communications with Lab
ECET430	Advanced Digital Signal Processing with Lab
ECET460	Network Security with Lab
ECET465	Advanced Networks with Lab
ECET495	Specialized Technologies with Lab
INTP491	Internship I AND
INTP492	Internship II
MATH450	Advanced Engineering Mathematics I
MATH451	Advanced Engineering Mathematics II
REET420	Power Electronics and Alternative Energy Applications with Lab
REET425	Electric Machines and Power Systems with Lab

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