ABOUT THESE DEGREE PROGRAMS

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 and Engineering Technology - Electronics degree programs 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 and Engineering Technology - Electronics students can specialize in the area of Renewable Energy.

The Electronics Engineering Technology and Engineering Technology - Electronics degree programs are accredited by The Engineering Technology Accreditation Commission (ETAC) of the Accreditation Board for Engineering and Technology (ABET). Some courses may be taken interchangeably between onsite and online to fulfill graduation requirements. The most recent information on which programs are ETAC of ABET accredited at which locations is available in the Academic Catalog and at [http://www.devry.edu/academics/accreditation.html](http://www.devry.edu/academics/accreditation.html).

ACCREDITATION MATTERS

The Electronics Engineering Technology and Engineering Technology - Electronics degree programs are accredited, by location, by The Engineering Technology Accreditation Commission of ABET (ETAC) of ABET [www.abet.org](http://www.abet.org). ETAC of ABET promotes technical education excellence by offering programmatic accreditation to Institutions that meet their quality standards. This is a global mark of quality that is valued by employers and professional associations within the field Engineering Technology. To learn more visit [www.abet.org](http://www.abet.org).

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### Bachelor's Degree Programs

#### ELECTRONICS ENGINEERING TECHNOLOGY [CAMPUS]

#### ENGINEERING TECHNOLOGY - ELECTRONICS [ONLINE]

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### GENERAL EDUCATION COURSEWORK

1. **Communication Skills**
   - ENGL112 Composition
   - ENGL135 Advanced Composition
   - ENGL216 Technical Writing
   - SPCH278 Public Speaking

2. **Humanities**
   - HUMN303 Introduction to the Humanities
   - ETHC445 Principles of Ethics
   - LAS432 Technology, Society, and Culture

3. **Social Sciences**
   - ECON312 Principles of Economics
   - SOCS185 Culture and Society
   - SOCS325 Environmental Sociology

4. **Mathematics and Analytical Methods**
   - ECET345 Signals and Systems with Lab
   - MATH104 Algebra for College Students
   - MATH190 Pre-Calculus
   - MATH200 Applied Calculus I
   - MATH201 Applied Calculus II
   - MATH260 Applied Calculus III
   - PHYS204 Applied Physics with Lab

5. **Personal and Professional Development**
   - CARD405 Career Development
   - COLL148 Critical Thinking and Problem-Solving

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### CORE-DEGREE COURSEWORK

- **Electronics Circuits and Devices**
  - ECET110 Electronic Circuits and Devices I with Lab
  - ECET220 Electronic Circuits and Devices II with Lab
  - ECET230 Electronic Circuits and Devices III with Lab

- **Digital Circuits and Microprocessors**
  - CEIS100 Introduction to Engineering Technology and Information Sciences
  - ECET105 Digital Fundamentals with Lab
  - ECET230 Digital Circuits and Systems with Lab
  - ECET330 Microprocessor Architecture with Lab
  - ECET340 Microprocessor Interfacing with Lab

- **Computer Programming and Networking**
  - CISI70C Programming with Lab
  - CIS247 Object-Oriented Programming with Lab
  - CIS355 Business Application Programming with Lab
  - ECET375 Data Communications and Networking with Lab

- **Senior Project Design and Development**
  - ECET390 Product Development
  - ECET492L Senior Project Development Lab I
  - ECET493L Senior Project Development Lab II
  - ECET494L Senior Project Development Lab III

- **Technology Integration**
  - ECET299 Technology Integration I
  - ECET497 Technology Integration II

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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.
Bachelor’s Degree Programs
Electronics Engineering Technology
Engineering Technology - Electronics

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 and Engineering Technology - Electronics degree programs focus 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 and Engineering Technology - Electronics degree programs 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

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.

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.


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CAREERS IN ELECTRONICS ENGINEERING TECHNOLOGY AND ENGINEERING TECHNOLOGY - ELECTRONICS

KNOWLEDGE AND SKILLS

PROGRAM-SPECIFIC COURSEWORK

ECET310 Communications Systems with Lab
ECET365 Embedded Microprocessor Systems with Lab
ECET465 Advanced Networks with Lab
ECET402 Mechatronics with Lab
ECT284 Automation and Control Systems with Lab
REET425 Electric Machines and Power Systems with Lab