ABOUT THIS DEGREE PROGRAM

A FOUNDATION IN TECHNOLOGY
This program is anchored with Tech Core, curriculum designed to help you build a foundation of interdisciplinary skills you’ll need for today’s Internet of Things (IoT) economy. You’ll learn relevant skills in operating systems, programming, hardware, connectivity and security – giving you a hands-on foundation in engineering technology, information technology and software and information systems.

A PROGRAM TO FUEL YOUR FUTURE
Learn about networked and digital systems, acquire hands-on experience in testing and measuring electronic devices, and study automation technology relevant to industrial process, transportation and power grids. After completing program coursework, you can decide to specialize in Renewable Energy or complete the Standard Option.

IS THIS PROGRAM FOR YOU?
Interested in how things work? How to build automated solutions? Then this program may be a good fit for you.

CAREER OPPORTUNITIES
Graduates of DeVry’s Engineering Technology – Electronics degree program may consider, but are not limited to, the following careers:

- Computer Systems Analyst
- Electrical Engineering Technician
- Test Engineers and Technologists
- Engineering Technician
- Field Service Technician
- Manufacturing Technician

WHAT YOU’LL LEARN

ESSENTIALS
- Communicate methods and findings
- Collaborate in dynamic work environments
- Solve complex problems
- Analyze numerical data
- Apply appropriate technologies

TECH CORE
- Produce, secure, operate and troubleshoot small enterprise networks
- Network, secure and deploy digital devices and sensors into the IoT ecosystem
- Solve technical problems using an algorithmic approach and basic programming and coding methods
- Install and configure operating systems using command-line interface (CLI)

PROGRAM
- Install and upgrade networked, computer-controlled systems
- Test and measure electronic systems
- Troubleshoot automation and control systems
- Work with programmable logic controller as they applied to commercial, motor and industrial control

QUICK FACTS

139 CREDIT HOURS minimum credit hours required for graduation
3 YEARS minimum length to graduation

THE SMART WAY TO BE UNDECIDED
With our undecided model, you can gain exposure to a variety of concepts early in your program and be better armed to choose your path.¹

ACCREDITATION MATTERS
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 Engineering Technology field.

The Engineering Technology – Electronics degree program is accredited by The Engineering Technology Accreditation Commission of ABET (ETAC of ABET) www.abet.org.

PORTABLE IoT KIT
You can simulate the Internet of Things (IoT) experience wherever you are. With our portable IoT Kit, you’ll get hands-on experience in how IoT technologies work in the real world. Your kit will include digital devices, sensors and other tools you will use to build relevant IoT systems.

¹Must declare a specialization by 30 credit hours for associate degree program and 60 credit hours for bachelor’s degree program.
²Not including breaks. Assumes year-round, full-time enrollment. Additional program information may be found at https://www.devry.edu/degree-programs.html.

DeVry University
## Bachelor's Degree Program
### Engineering Technology - Electronics

### ESSENTIALS (59 CREDIT HOURS)
- **Communication Skills**
  - ENGL112 Composition
  - ENGL135 Advanced Composition
  - ENGL216 Technical Writing
  - SPCH275 Public Speaking

- **Humanities**
  - ETHC232 Ethical and Legal Issues in the Professions
  - LAS432 Technology, Society, and Culture

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

- **Mathematics and Natural Sciences**
  - ECET345 Signals and Systems with Lab
  - MATH114 Algebra for College Students
  - MATH190 Pre-Calculus
  - MATH221 Statistics for Decision-Making
  - MATH265 Applied Calculus
  - PHYS204 Applied Physics with Lab

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

### TECH CORE (21 CREDIT HOURS)
- **Tech Core**
  - CEIS101 Introduction to Technology and Information Systems
  - CEIS106 Introduction to Operating Systems
  - CEIS110 Introduction to Programming
  - CEIS114 Introduction to Digital Devices
  - NETW190 Fundamentals of Information Technology and Networking
  - NETW211 Fundamentals of Cloud Computing
  - SEC285 Fundamentals of Information Security

### PROGRAM (30 CREDIT HOURS)
- **Automation and Electronic Systems**
  - ECT222 Circuit Analysis Fundamentals
  - ECT225 Electronic Devices and Systems
  - ECT284 Automation and Control Systems with Lab

- **Information Systems and Programming**
  - CIS170C Programming with Lab
  - CIS247C Object-Oriented Programming with Lab

- **Application Development**
  - CIS355A Business Application Programming with Lab

- **Senior Project**
  - CEIS392 Product, Project and People Management
  - CEIS494 Senior Project I
  - CEIS496 Senior Project II

- **Technology Career Preparation**
  - CEIS299 Careers and Technology
  - CEIS499 Preparation for the Profession

### SPECIALIZED (30 CREDIT HOURS)
- Students who have not chosen an area of specialization may begin the program in “Undecided” status; however, they must select a specialization by the time they have earned 60 semester credit hours toward their degree.

- Available specializations are:
  - Renewable Energy
  - Standard option

### EMBEDDED PROGRAMS
- Earn two additional credentials with our unique 3-in-1 design. All courses in our Information Technology (IT) Essentials certificate and Information Technology and Networking associate degree are embedded within this program. So you can earn a certificate and an associate degree on the way to your bachelor’s in Electronics Engineering Technology degree.

### Demonstrate Skills at Every Step

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*visit DeVry.edu | Call 888.DeVry.04*