

# ELECTRONICS AND COMPUTER TECHNOLOGY



## ABOUT THIS DEGREE PROGRAM

### A PROGRAM TO FUEL YOUR FUTURE

DeVry University's Electronics and Computer Technology associate degree program can prepare you with a firm foundation of digital fundamentals, electronic systems, microprocessors, sensors and instrumentation, semiconductor manufacturing and automation and control systems.

### IS THIS PROGRAM FOR YOU?

If you are interested in electronics and computer technology, digital devices and automation, then this might be the right program for you.

## CAREER OPPORTUNITIES

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

- Computer and Office Machine Repair Specialist
- Electrical and Electronics Installer and Repair Specialist
- Field Service Technician
- Customer Service Engineer
- Equipment Installer 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

### PROGRAM

- Build and program digital devices and systems
- Install operating system platforms
- Test and measure electronic devices and systems

### SPECIALIZED

- Implement automation and control systems to enhance business productivity
- Build and upgrade networked systems
- Secure and maintain network and communication systems

## QUICK FACTS

**71**  
CREDIT HOURS  
minimum credit hours  
required for graduation<sup>1</sup>

**10%**  
GROWTH  
nationally from 2018-  
2028 for employment of  
10% computer support  
specialists<sup>2</sup>

**1 + 6**  
YEAR MONTHS  
minimum length to graduation<sup>3</sup>

### FLEXIBILITY TO FIT YOUR LIFE

**FLEX  
2 FIT**

At DeVry University, you have the option of taking your Electronics and Computer Technology coursework online, on-site or a combination of both. Our qualified practitioner faculty teach your classes whether online or on-site, and you can have regular opportunities for collaboration and interaction with classmates.

**LEARN  
FROM THOSE WHO  
LEAD**

### LEARN FROM THOSE WHO LEAD

Our faculty embody strong academic credentials. Partners in your learning, they walk into the classroom bringing hard-earned knowledge and expertise honed through years of experience in the fields they teach.

<sup>1</sup>66 for students enrolled at a New Jersey location and 72 for Ohio residents enrolled as online students and for students enrolled at an Ohio location.

<sup>2</sup> <https://www.bls.gov/ooh/computer-and-information-technology/computer-support-specialists.htm>

<sup>3</sup> Not including breaks. Assumes year-round, full-time enrollment. Additional program information may be found at <https://www.devry.edu/online-programs.html>.

# Electronics and Computer Technology

## ESSENTIALS

**26**  
CREDIT HOURS

### COMMUNICATION SKILLS

- ENGL112<sup>1</sup> Composition
- ENGL206 Technical Communication

### HUMANITIES

- ETHC232 Ethical and Legal Issues in the Professions

### SOCIAL SCIENCES

- SOCS185<sup>2</sup> Culture and Society

### MATHEMATICS AND NATURAL SCIENCES

- MATH103 Beginning Algebra
- PHYS204 Applied Physics with Lab

### PERSONAL AND PROFESSIONAL DEVELOPMENT

- CARD405 Career Development
- COLL148 Critical Thinking and Problem-Solving

<sup>1</sup>Students enrolled at a New Jersey location take ENGL108 in lieu of this course.

<sup>2</sup>Students enrolled at a Nevada location must take POLI332 in lieu of this requirement.

## PROGRAM

**28**  
CREDIT HOURS

### ELECTRICAL AND ELECTRONIC CIRCUITS

- ECT122 Electronic Systems I with Lab
- ECT125 Electronic Systems II with Lab
- ECT246 Electronic Systems III with Lab

### DIGITAL AND COMPUTER SYSTEMS

- CEIS100 Introduction to Engineering Technology and Information Sciences
- CIS115 Logic and Design
- CIS206 Architecture and Operating Systems with Lab
- ECT114 Digital Fundamentals with Lab
- SEC280 Principles of Information Systems Security

## SPECIALIZED

**17**  
CREDIT HOURS

### INTEGRATED ELECTRONIC SYSTEMS

- ECT263 Communications Systems with Lab
- ECT284 Automation and Control Systems with Lab

### COMPUTER NETWORKS<sup>3</sup>

- NETW191 Fundamentals of Information Technology and Networking
- NETW211 Fundamentals of Cloud Computing
- NETW310<sup>4</sup> Wired, Optical and Wireless Communication with Lab

<sup>3</sup> 10 credit hours for Ohio residents enrolled as online students, and for students enrolled at an Ohio location.

<sup>4</sup> Ohio residents enrolled as online students, and for students enrolled at an Ohio location must take one of the following in lieu of this requirement: BIOS105, ENGL135, ENGL216, MATH114, SCI228.

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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](http://www.hlcommission.org). Keller Graduate School of Management is included in this accreditation. DeVry is certified to operate by the State Council of Higher Education for Virginia. Arlington Campus: 1400 Crystal Dr., Ste. 120, Arlington, VA 22202. DeVry University is authorized for operation as a postsecondary educational institution by the Tennessee Higher Education Commission, [www.tn.gov/thec](http://www.tn.gov/thec). Nashville Campus: 3343 Perimeter Hill Dr., Nashville, TN 37211. 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](http://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. ©2019 DeVry Educational Development Corp. All rights reserved. Version 9/14/2020