

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 graduation¹

10%
GROWTH
nationally from 2018-
2028 for employment of
10% computer support
specialists²

1 + 6
YEAR MONTHS
minimum length to graduation³

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.

¹66 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.

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

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

Electronics and Computer Technology

ESSENTIALS

26
CREDIT HOURS

COMMUNICATION SKILLS

ENGL112¹ Composition
ENGL206 Technical Communication

HUMANITIES

ETHC232 Ethical and Legal Issues in the Professions

SOCIAL SCIENCES

SOCS185² 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

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

²Students 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

COMPUTER NETWORKS³

NETW202 Introduction to Networking with Lab
NETW204 Introduction to Routing with Lab
NETW206⁴ Introduction to Switching with Lab

INTEGRATED ELECTRONIC SYSTEMS

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

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

⁴ 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. 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: 2450 Crystal Dr., Arlington, VA 22202. DeVry University is authorized for operation as a postsecondary educational institution by the Tennessee Higher Education Commission, www.tn.gov/thecc. 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, 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 10/23/19