

ENGINEERING TECHNOLOGY

Specialization: General Option



ABOUT THIS PROGRAM

IS THIS PROGRAM FOR YOU?

If you are interested in a STEM career field exploring how technology is used to improve processes in a production environment, then this may be the right program for you.

A PROGRAM TO FUEL YOUR FUTURE

Develop a basic understanding of the engineering principles needed to support the maintenance, installation and testing of automated, computer-based and/or distributed systems when you pursue the General Option. This track was designed to provide students the fundamentals while also providing the flexibility to customize your program based on your interest or transfer qualifying credits from prior college or applicable military experience.

CAREER OPPORTUNITIES

Graduates of DeVry's Engineering Technology associate degree with a General Option specialization may consider, but are not limited to, the following careers:

- Electrical and Electronic Engineering Technologists and Technicians
- Electro-Mechanical and Mechatronics Technologists and Technicians
- Engineering Technologist and Technicians, Except Drafters, All Other
- Industrial Engineering Technologists and Technicians

WHAT YOU'LL LEARN

ESSENTIALS

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

TECH CORE

- Produce, secure, operate and troubleshoot a small enterprise network
- Network, secure and deploy digital devices and sensors into the Internet of Things 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

- Design and analyze circuits ensuring proper construction, voltage and currents
- Understand the essential components of control systems designs and how to apply ladder logic to debug or maintain applications

QUICK FACTS

64
CREDIT HOURS
minimum credit hours
required for graduation

21
COURSES

1 + 4
YEAR MONTHS
minimum length to graduation¹

**TWO
IN
ONE**

EMBEDDED PROGRAM

DeVry offers a unique 2-in-1 design that allows our Engineering Technology certificate program - general option to be embedded within the Associate in Engineering Technology degree program, giving you the chance to earn your certificate on the way to your associate degree.

**SKILLS
FOCUSED**

CERTIFICATION EXAM ALIGNED CURRICULUM

Experience elements of our technology curriculum focused on real-world industry standards and prepare for certification opportunities that help validate your knowledge and skills.

- CompTIA A+
- CompTIA Network+
- PCEP Certified Entry-Level Python Programmer
- CompTIA ITF+
- CompTIA Cloud+
- CompTIA Linux+

**DIVERSITY,
EQUITY &
INCLUSION**

BE AN ACTIVE PART OF AN INCLUSIVE FUTURE

Customize your curriculum by choosing Diversity, Equity and Inclusion (DE&I) course alternates for your Communication Skills, Humanities and Social Science courses. These options highlight relevant topics to help empower you to promote an inclusive workplace.

¹Not including breaks. Assumes year-round, full-time enrollment. Additional program information may be found at <https://www.devry.edu/online-programs.html>.

Engineering Technology – General Option

ESSENTIALS

26
CREDIT HOURS

COMMUNICATION SKILLS

ENGL112 Composition

Select one

SPCH275 Public Speaking

SPCH276 Intercultural Communication ☼

HUMANITIES

Select one

ETHC232 Ethical and Legal Issues in the Professions

ETHC334 Diversity, Equity and Inclusion in the Workplace ☼

SOCIAL SCIENCES

SOCS185 Culture and Society ☼

MATHEMATICS AND NATURAL SCIENCES

MATH114 Algebra for College Students

PHYS204 Applied Physics with Lab

PERSONAL AND PROFESSIONAL DEVELOPMENT

CARD205 Career Development

COLL148 Critical Thinking and Problem-Solving

☼ This icon indicates Diversity, Equity & Inclusion Courses

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

NETW191 Fundamentals of Information Technology and Networking

NETW211 Fundamentals of Cloud Computing

SEC285 Fundamentals of Information System Security

PROGRAM

7
CREDIT HOURS

AUTOMATION AND ELECTRONIC SYSTEMS

ECT226 Electronic Device and System Foundations

ECT286 Automation and Controls

CAREER PREPARATION

CEIS299 Careers and Technology

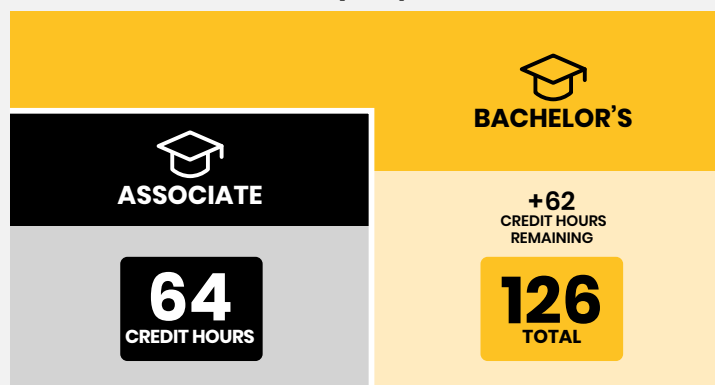
SPECIALIZED

10
CREDIT HOURS

GENERAL OPTION

Students select applicable 300-level courses from the College of Engineering & Information Sciences and the College of Business & Management provided prerequisites are met.

Earn a credential at every step.



HOW DO CREDENTIALS STACK?

This Associate in Engineering Technology can serve as a steppingstone to our Engineering Technology bachelor's degree. If you choose to continue on with your education, all credits apply to this credential. Build your confidence – and your resume – when you start your journey at DeVry.*

*The figures displayed represent the minimum credit hours required for graduation. At the time of application to the next credential level, an evaluation of qualifying transfer credit will occur and the most beneficial outcome will be applied.

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