ENGINEERING TECHNOLOGY

ABOUT THIS PROGRAM

IS THIS PROGRAM FOR YOU?

If you have an interest in a science, technology, engineering or math (STEM) career field exploring how technology is used to improve processes in a production environment, then the undergraduate Engineering Technology certificate program may be the right program for you.

A PROGRAM TO FUEL YOUR FUTURE

Learn and apply the fundamental engineering technology principles needed to support the installation, testing and maintenance of automated, computer-based and distributed systems. Customize your program to explore your interest choosing from the following specialization options as you prepare to pursue your career goals:

- General Option: Tailor the program to your interests and/or apply prior college credit or applicable military experience.
- Machine Learning and Design Techniques: Learn how systems are designed and ways to improve processes using machine learning.
- Medical Technology and Healthcare Systems: Explore technology as it relates to the medical field such as imaging technology, telemedicine and medical instrumentation.
- Renewable Energy and Sustainable Power: Study alternative energy technologies and applications and the basics of electric machines and power systems.

CAREER OPPORTUNITIES

Graduates of DeVry's Engineering Technology certificate program may consider, but are not limited to entry-level opportunities in such positions as:

- Electrical and Electronic Engineering Technologists and Technicians
- Electro-mechanical and Mechatronics Technologists and Technicians
- Industrial Engineering Technologists and Technicians
- Engineering Technologist and Technicians (except drafters)

QUICK FACTS

39
CREDIT HOURS
minimum credit hours
required for graduation

13
COURSES

1
YEAR
minimum length
for graduation[1]

TECH CORE

ANCHORED IN TECH CORE

Prepare to be immersed in coursework designed to help you build interdisciplinary skills you'll need for today's Internet of Things (IoT) economy. Project work and activities allow you to develop relevant skills in:
- Digital Devices • Operating Systems • Networking and Security • Programming

IoT PROJECTS

WORK WITH IOT TECHNOLOGIES & SYSTEMS

Immerse yourself in the Internet of Things (IoT) world and obtain hands-on experience with IoT, cloud, software and security technologies and systems.

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. Examples of some of the certification opportunities that a student may prepare to pursue include:
- CompTIA A+ • CompTIA ITF+ • CompTIA Linux+ • CompTIA Network+
- CompTIA Cloud + • CompTIA Security+
- Lean Six Sigma Yellow Belt[2] • Autodesk Certified User[2]

DeVry University

Engineering Technology

PROGRAM

MATHEMATICS

MATH114   Algebra for College Students

TECH CORE

CEIS101C   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

AUTOMATION AND ELECTRONIC SYSTEMS

ECT226   Electronic Device and System Foundations
ECT286   Automation and Controls

CAREER PREPARATION

CEIS299   Careers and Technology

WHAT YOU'LL LEARN

MATHEMATICS

• Solve complex problems

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)
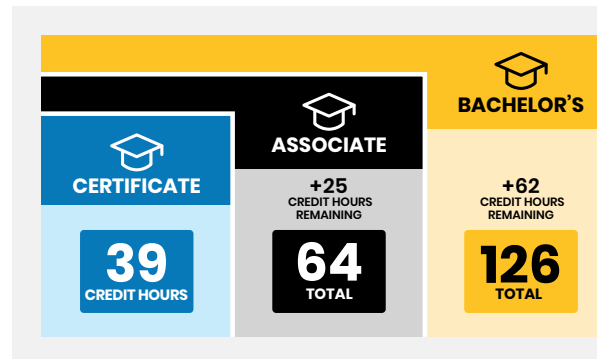
PROGRAM

• 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

SPECIALIZED

Students may choose from one of four specializations as a part of this Engineering Technology Certificate Program:

Available specializations include:
• General Option
• Machine Learning and Design Techniques
• Medical Technology and Healthcare Systems
• Renewable Energy and Sustainable Power

CERTIFICATE
39
CREDIT HOURS

ASSOCIATE
+25
CREDIT HOURS REMAINING
64
TOTAL

BACHELOR'S
+62
CREDIT HOURS REMAINING
126
TOTAL

EARN A CREDENTIAL AT EVERY STEP

Once you earn our Engineering Technology Certificate, you may choose to continue your education at your pace at DeVry by applying all credits toward an Associate degree in Engineering Technology, which then stacks directly into the Bachelor's degree in Engineering Technology program.*

*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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