

INTERNET OF THINGS (IOT)



ABOUT THIS PROGRAM

IS THIS PROGRAM FOR YOU?

If you are interested in applying networking skills to create and deploy Internet of Things (IoT) solutions, this certificate might be the right fit for you.

A PROGRAM TO FUEL YOUR FUTURE

Build essential skills needed to integrate industrial Internet of Things (IoT) with the information technology (IT) infrastructure in this certificate program. You will also explore the configuration, deployment, troubleshooting and security of connected devices.

CAREER OPPORTUNITIES

Graduates of DeVry's [IoT certificate program](#) may consider, but are not limited to, the following careers:

Entry level opportunities in such positions as:

- IoT Technical Support Specialist
- IoT Technician
- IoT Test Technician

QUICK FACTS

40
CREDIT HOURS
minimum credit hours
required for graduation

14
COURSES

1 + 4
YEAR MONTHS
minimum length for graduation¹

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:

- Connectivity
- Security
- Digital Devices
- Programming
- Operating Systems

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.

- Comp TIA IT Fundamentals
- Comp TIA Linux+
- Comp TIA Network+
- Comp TIA Cloud+
- Comp TIA Security+
- Comp TIA A+
- PCEP – Certified Entry-Level Python Programmer



EVERY COURSE COUNTS

Make the most of your Internet of Things certificate by applying qualifying credits towards a bachelor's degree at DeVry. Credits from this certificate stack into DeVry's bachelor's degree in Information Technology and Networking with a specialization in Mobile and Networked Devices.

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

Undergraduate Certificate | Tech

Internet of Things (IoT)

PROGRAM OUTLINE

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
SEC285 Fundamentals of Information Systems Security

MOBILE AND DISTRIBUTED DEVICES

CEIS490 Ecosystem of the Internet of Things
ECT286 Automation and Controls
ECT315 Industrial IoT
NETW411 Information Security and Mobile Devices

CAREER PREPARATION

CEIS299 Careers and Technology
CEIS499 Preparation for the Profession

WHAT YOU'LL LEARN

MATHEMATICS

- Analyze numeric 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)

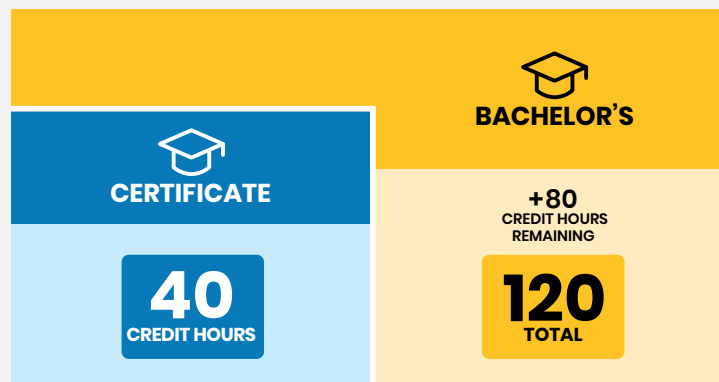
MOBILE AND DISTRIBUTED DEVICES

- Configure and troubleshoot control systems
- Connect machines and devices in industrial settings
- Examine IoT connectivity and data analytics options
- Implement mobile device security

CAREER PREPARATION

- Apply principles of technology in the building, testing, operation and maintenance of connected and distributed digital-based systems and networks

Earn a credential at every step.



HOW DO CREDENTIALS STACK?

The Internet of Things certificate can serve as a steppingstone to our Information Technology and Networking bachelor's degree when you pursue the Mobile and Networked Devices specialization. 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 DeVry¹.

¹The 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.

visit [DeVry.edu](https://www.devry.edu) | Call 888.DeVry.04

In New York, DeVry University operates as DeVry College of New York. DeVry University is accredited by The Higher Learning Commission (HLC), <https://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, <https://www.tn.gov/thecc>. Nashville Campus: 301 S. Perimeter Park Dr., Ste. 100, 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 <https://www.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. ©2021 DeVry Educational Development Corp. All rights reserved. Version 8/21/2021