

INTERNET OF THINGS (IOT)



ABOUT THIS PROGRAM

TECH CORE

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:

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

QUICK FACTS

40
CREDIT HOURS
minimum credit hours
required for graduation

14
COURSES



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.

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+
- CompTIA Cloud Essentials+
- Comp TIA Security+
- Comp TIA A+
- PCEP – Certified Entry-Level Python Programmer

SKILLS FOCUSED

MINIMUM COMPLETION TIME*

**1 year
4 months**

OR

NORMAL COMPLETION TIME**

2 years

ACCELERATE ON YOUR SCHEDULE

Choose the schedule that best fits your goals and commitments. You can earn your **Undergraduate Certificate** in as little as **1 year 4 months**.

Or, follow a normal schedule and complete your program in 2 years.

*Minimum completion time does not include breaks and assumes 3 semesters of year-round, full-time enrollment in 9-12 credit hours a semester per 12-month period.

**Normal completion time includes breaks and assumes 2 semesters of enrollment in 9-12 credit hours per semester per 12-month period.

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
NETW212 Introduction to 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

CEIS298 Introduction to Technical Project Management
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)

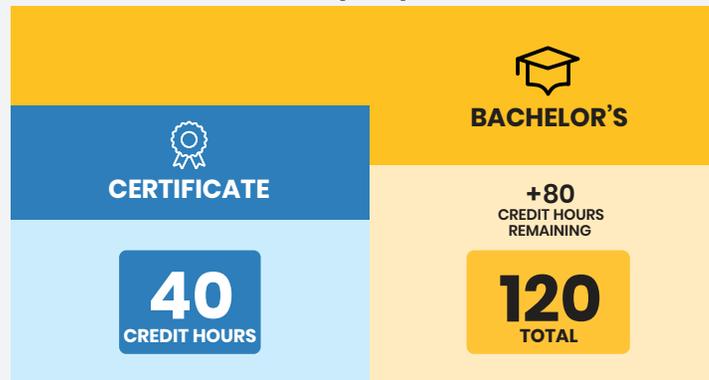
MOBILE AND DISTRIBUTED DEVICES

- 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. Additional coursework may be necessary to complete program requirements. 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. Future programmatic changes could impact the application of credits to a future program. Refer to the academic catalog for details.

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