UNDERGRADUATE CERTIFICATE | TECH

# 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

IoT PROJECTS

### WORK WITH IOT TECHNOLOGIES & SYSTEMS

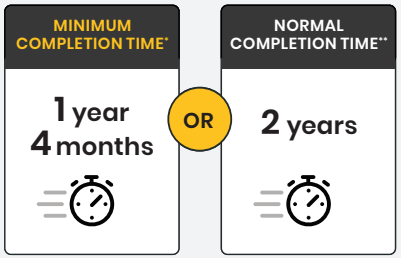
Immerse yourself in the Internet of Things (IoT) world and obtain hands-on experience with IoT, cloud, software and security technologies and systems.

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




### 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.

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 |
| 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)

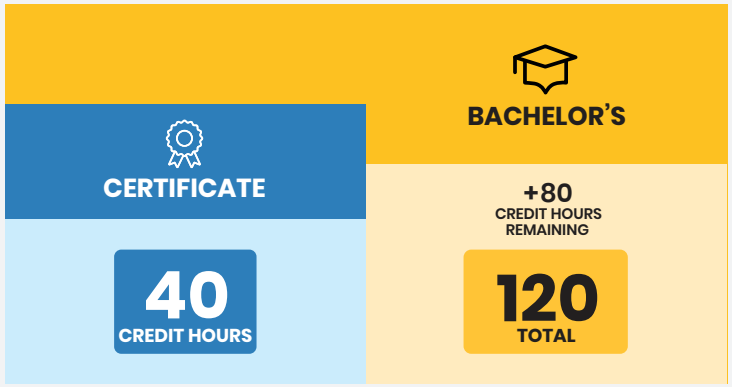
### MOBILE AND DISTRIBUTED DEVICES

- 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 DeVry[1].

[1]The 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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