ABOUT THIS PROGRAM

IS THIS PROGRAM FOR YOU?
If you’re interested in pursuing a career in cybersecurity and defending organizations from malicious attacks, then this program may be for you.

A PROGRAM TO FUEL YOUR FUTURE
Prepare to develop the critical skills needed to defend organizations and government agencies from data breaches with this certificate program. Through online simulations and assignments, you will create strategies necessary to secure networks, apply information assurance policies to mitigate risks and leverage your knowledge of ethical and legal issues to apply the appropriate security solutions.

CAREER OPPORTUNITIES
Graduates of DeVry’s Cyber Security certificate program may consider, but are not limited to, the following careers:

Entry level opportunities in such positions as:
• Network System Administrator
• Information Security Analyst
• Cyber Security Analyst
• Computer User Support Specialist

QUICK FACTS

40 CREDIT HOURS
minimum credit hours required for graduation

14 COURSES

31% GROWTH
nationally from 2019-2029 for employment of Information Security Analysts¹

1 + 4 YEAR + MONTHS
minimum length for graduation²

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:
• Programming • Hardware • Connectivity • Security • Operating Systems

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.
• CompTIA A+ • CompTIA Linux+ • CompTIA Network+
• CompTIA Cloud+ • CompTIA Security+ • CompTIA PenTest+
• EC Council Certified Network Defender • EC Council Certified Ethical Hacker
• PCEP – Certified Entry-Level Python Programmer

EVERY COURSE COUNTS
The Cyber Security certificate can serve as a stepping stone to our Information Technology and Networking or Computer Information Systems bachelor’s degrees when you specialize in cyber security. If you choose to continue on with your education, all credits apply to your bachelor’s degree, saving you time and money.

²Not including breaks. Assumes year-round, full-time enrollment. Additional program information may be found at https://www.devry.edu/online-programs.html.

DeVry University
## PROGRAM OUTLINE

**MATHMATICS**
- 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 Digital Devices
- NETW191  Fundamentals of Information Technology & Networking
- NETW211  Fundamentals of Cloud Computing
- SEC285  Fundamentals of Information Security

**CYBER SECURITY**
- SEC290  Fundamentals of Infrastructure Security
- SEC310  Principles and Theory of Security Management
- SEC311  Ethical Hacking
- SEC321  Network Security Testing with Lab

**CAREER PREPARATION**
- CEIS299  Careers and Technology
- CEIS499  Preparation for the Profession

## WHAT YOU’LL LEARN

**MATHMATICS**
- Analyze data
- Solve 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)

**CYBER SECURITY**
- Create strategies to secure networks, mitigate risks and protect information assets
- Implement, validate and update security infrastructure and measures
- Apply and manage information assurance policies, while upholding ethical, legal and regulatory guidelines

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