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 Administration
- Information Security Analyst
- Cybersecurity Technician
- Computer User Support Specialist

QUICK FACTS

40 CREDIT HOURS
minimum credit hours required for graduation

14 COURSES

32% GROWTH
nationally from 2018-2028 for employment of Information Security Analysts

1 + 4 YEAR
minimum length for graduation

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

PORTABLE IOT KIT
You can simulate the Internet of Things (IoT) experience wherever you are. With our portable IoT Kit, you’ll get hands-on experience using digital devices, sensors and other tools to build relevant IoT systems.

INDUSTRY ALIGNED CURRICULUM
Experience curriculum aligned to real-world industry standards and prepare for certification opportunities that help validate your knowledge and skills.
- CompTIA A+
- CompTIA Linux+
- CompTIA Network+
- Microsoft Technology Associate – Python
- CompTIA Cloud+
- CompTIA Security+
- CompTIA PenTest+
- EC Council Certified Network Defender
- EC Council Certified Ethical Hacker

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.

2 Not including breaks. Assumes year-round, full-time enrollment. Additional program information may be found at https://www.devy.edu/degree-programs.htm.
### WHAT YOU’LL LEARN

#### MATHEMATICS
- 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

### PROGRAM OUTLINE

**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