

CYBER SECURITY



ABOUT THIS PROGRAM



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

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 develop the skills 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:

- Computer Network Support Specialist
- Computer User Support Specialist
- Network System Administrator
- Cybersecurity Specialist
- Information Security Analyst

QUICK FACTS

40
CREDIT HOURS
minimum credit hours
required for graduation

14
COURSES

33%
GROWTH
nationally from 2023-2033 for
employment of Information
Security Analysts¹



NICCS VERIFIED CURRICULUM

DeVry University's cybersecurity curriculum is acknowledged and verified as an approved provider by the National Initiative for Cybersecurity Careers and Studies (NICCS). NICCS is an online training initiative and portal that follows the National Initiative for Cybersecurity Education framework and connects students, educators and industry to cybersecurity resources and U.S. training providers.

EVERY COURSE COUNTS

The Cyber Security certificate can serve as a stepping stone to the Associate of Cybersecurity and Networking and/or the Bachelor's of Cybersecurity and Networking. If you choose to continue on with your education, all credits apply to your associate and/or bachelor's degree.²



MINIMUM COMPLETION TIME*

**1 year
2 months**



NORMAL COMPLETION TIME**

**1 year
6 months**



ACCELERATE ON YOUR SCHEDULE

Choose the schedule that best fits your goals and commitments. You can earn your **Undergraduate Certificate** in as few as **1 year 2 months**. Or, follow a normal schedule and complete your program in 1 year 6 months.

*Minimum completion time does not include breaks and assumes 3 semesters of year-round, full-time enrollment in 8-13 credit hours a semester per 12-month period.

**Normal completion time includes breaks and assumes 2 semesters of enrollment in 8-13 credit hours per semester per 12-month period.

¹ <https://www.bls.gov/ooh/computer-and-information-technology/information-security-analysts.htm>. Growth projected on a national level. Local growth will vary by location. BLS projections are not specific to DeVry University students or graduates and may include earners at all stages of their career and not just entry level.

² Future programmatic changes could impact the application of credits to a future program. Refer to the academic catalog for details.

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 Digital Devices
 NETW191 Fundamentals of Information Technology and Networking
 NETW212 Introduction to Cloud Computing
 SEC285 Fundamentals of Information System Security

CYBER SECURITY

SEC290 Fundamentals of Infrastructure Security
 SEC305 Cybersecurity and Data Privacy
 SEC335 Incident Response and Digital Forensics

One of:

SEC311 Ethical Hacking
 SEC322 Penetration Testing

CAREER PREPARATION

CEIS298 Introduction to Technical Project Management

WHAT YOU'LL LEARN**MATHEMATICS**

- Analyze data
- Solve problems

TECH CORE

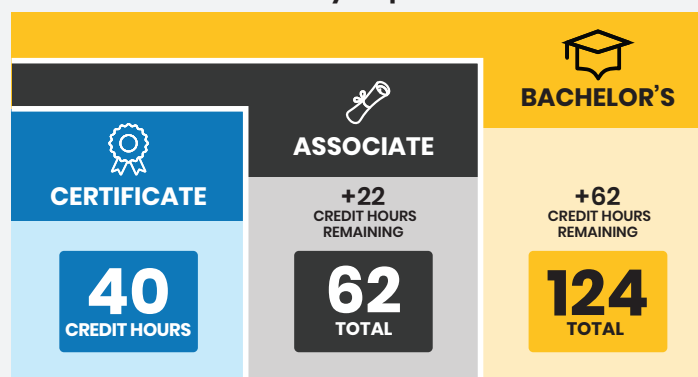
- Produce, secure, operate and troubleshoot small enterprise networks
- Network, secure and deploy digital devices and sensors into the IoT ecosystem
- Solve technical problems using an algorithmic approach and basic programming and coding methods
- Install and configure operating systems using Command-Line Interface (CLI)

CYBER SECURITY

- Apply behavioral analytics to networks and devices to prevent, detect, and counter cybersecurity threats through continuous security monitoring
- Evaluate technologies and processes that are important for data privacy and security control
- Deploy strategies for cybercrime investigation and for forensic analysis and incident response

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?**

Here's an example: When you earn a Cyber Security Undergraduate Certificate, all courses you complete in the program apply to your Associate Degree in Cybersecurity and Networking. When you complete the associate, all courses are designed to stack into our Bachelor's in Cybersecurity and Networking. Build your confidence - and your resume - when you start your journey at DeVry.³

³The 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.

RECOMMENDED PLAN OF STUDY

DeVry’s Cyber Security Certificate program is designed to prepare you with the knowledge and skills needed to pursue up to 8 external industry-specific certifications* within 14 months, should you choose to seek professional certification or licensure exams. Our recommended course sequencing fosters the development of these skills early on and throughout the entire program.

SEMESTER 1

COURSE	CREDITS
CEIS101C	2
MATH114	4
TOTAL	6

8 WEEKS
2 MONTHS

COURSE	CREDITS
CEIS106	4
CEIS110	3
TOTAL	7

8 WEEKS
2 MONTHS

SEMESTER 2

COURSE	CREDITS
CEIS114	3
NETW191	3
TOTAL	6

8 WEEKS
2 MONTHS

COURSE	CREDITS
NETW212	3
CEIS298	1
TOTAL	4

8 WEEKS
2 MONTHS

SEMESTER 3

COURSE	CREDITS
SEC285	3
TOTAL	3

8 WEEKS
2 MONTHS

COURSE	CREDITS
SEC290	3
SEC311	3
TOTAL	6

8 WEEKS
2 MONTHS

SEMESTER 4

COURSE	CREDITS
SEC305	4
SEC335	4
TOTAL	8

8 WEEKS
2 MONTHS

TOTAL:

40 CREDIT HOURS

3.5 SEMESTERS

14 MONTHS

0-4 MONTHS

ALIGNED CERTIFICATIONS

CompTIA Linux+ | Certified Entry-Level Python Programmer

- Internet of Things (IoT) concepts including the interplay between people, places, data and devices (P2D2)
- Investigate how to configure a network using the Linux operating system
- Use Python programming to build apps and application frameworks

5-10 MONTHS

ALIGNED CERTIFICATIONS

CompTIA A+ | CompTIA Network+ | CompTIA Project+
CompTIA Cloud Essentials + | CompTIA Security+

- Set up a small network in a virtual environment and test the connectivity
- Apply cloud-centric access control and security techniques
- Provision resources for a small network on a cloud platform
- Utilize security technology and tools to migrate cybersecurity threats

11-14 MONTHS

ALIGNED CERTIFICATIONS

CEH
CompTIA CySA+ | CompTIA PenTest+ | (ISC)2 CCSP

- Apply behavioral analytics to networks and devices to prevent, detect, and counter cybersecurity threats through continuous security monitoring.
- Evaluate technologies and processes that are important for data privacy and security control.
- Deploy strategies for cybercrime investigation and for forensic analysis and incident response.
- Maintain network security by leveraging an attacker’s knowledge on exploiting vulnerabilities.

*Credits and degrees earned from DeVry do not automatically qualify the holder to participate in professional certification or licensure exams. DeVry does not pay or reimburse students enrolled in this program for the cost associated with these external certifications and does not guarantee students will successfully pass such exams.

visit [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), [www.hlcommission.org](#). The University's 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](#), [www.tn.gov/thec](#). Lisle Campus: 4225 Naperville Rd., Ste. 400, Lisle, IL 60532. Unresolved complaints may be reported to the Illinois Board of Higher Education through the online complaint system [https://complaints.ibhe.org/](#) or by mail to 1 N. Old State Capitol Plaza, Ste. 333, Springfield, IL 62701-1377. Program availability varies by location. In site-based programs, students will be required to take a substantial amount of coursework online to complete their program. ©2024 DeVry Educational Development Corp. All rights reserved. Version 1/27/2025

