UNDERGRADUATE CERTIFICATE | TECH

CYBER SECURITY

ABOUT THIS PROGRAM

TECH CORE

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 Analysts[1]

NICCS™
NATIONAL INITIATIVE FOR CYBERSECURITY CAREERS AND STUDIES

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

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*	OR	NORMAL COMPLETION TIME**
1 year 2 months		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.

DeVry University

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Cyber Security

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)

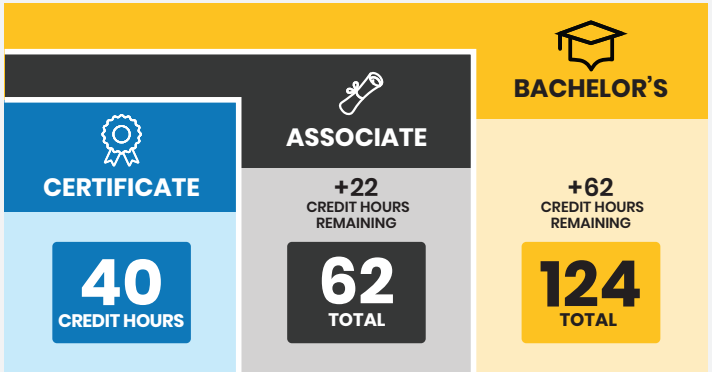
CYBER SECURITY

- 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]

[3] 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.

Undergraduate Certificate | Tech

Cyber Security

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.

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