

CYBERSECURITY AND NETWORKING



ABOUT THIS PROGRAM

TECH CORE

A FOUNDATION IN TECHNOLOGY

This program is anchored with Tech Core, curriculum designed to help you build a foundation of interdisciplinary skills you'll need for today's Internet of Things (IoT) economy. You'll learn relevant skills in operating systems, programming, hardware, connectivity and security – giving you a hands-on foundation in engineering technology, information technology and software and information systems.

A PROGRAM TO FUEL YOUR FUTURE

DeVry University's Associate of in Cybersecurity and Networking program can help prepare you to develop with the skills necessary to implement, maintain and enhance the network security and efficiency of an organization.

DEMONSTRATE SKILLS AT EVERY STEP

DeVry offers a unique 2-in-1 design that allows our Information Technology (IT) Essentials certificate to be embedded within this program. Giving you the chance to earn your certificate on the way to your associate degree.

CAREER OPPORTUNITIES

Graduates of DeVry's Cybersecurity and Networking associate degree program may consider, but are not limited to, the following careers:

- Computer Network Support Specialists
- Information Security Analysts

WHAT YOU'LL LEARN

ESSENTIALS

- Communicate methods and findings
- Collaborate in dynamic work environments
- Solve complex problems
- Analyze numerical data
- Apply appropriate technologies

TECH CORE

- Produce, secure, operate and troubleshoot small enterprise networks
- Network, secure and deploy digital devices and sensors into the Internet of Things (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)

SPECIALIZED

- Apply behavioral analytics to networks and devices to prevent, detect, and counter cybersecurity threats through continuous security monitoring
- Develop a balanced perspective on the administrative and technological elements of information security
- Apply principles of technology in the building, testing, operation and maintenance of connected and distributed digital-based systems and networks

QUICK FACTS

62
CREDIT HOURS
minimum credit hours required for graduation

21
COURSES

35%
GROWTH
nationally from 2021-2031 for employment of Information Security Analysts¹



EVERY COURSE COUNTS

When choosing the cybersecurity learning pathway, all credits earned in the Associate in Cybersecurity and Networking apply toward the Bachelor's degree in Information Technology and Networking with a specialization in Cyber Security.



SKILL FOCUSED 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 ITF+
- CompTIA Linux+
- CompTIA Network+
- CompTIA Cloud+
- CompTIA Project+
- CompTIA CySA+
- EC-Council CEH
- CompTIA PenTest+
- (ISC) CCSP

MINIMUM COMPLETION TIME*

1 years
4 months



OR

NORMAL COMPLETION TIME**

2 years



ACCELERATE AT YOUR PACE

Choose the schedule that best fits your goals and commitments. You can earn your **Associate Degree** in as little as **1 years 4 months**.

Or, follow a normal schedule and complete your program in 2 years.

*Per 12-month period, assumes completion of 3 semesters, enrollment in 15-17 credit hours per semester and continuous, full-time year-round enrollment with no breaks.

**Per 12-month period, assumes completion of 2 semesters and full-time enrollment in 15-17 credit hours per semester.

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.

Cybersecurity and Networking

ESSENTIALS


26
CREDIT HOURS

COMMUNICATION SKILLS

ENGL112 Composition

Select one


SPCH275 Public Speaking

SPCH276 Intercultural Communication 


HUMANITIES

Select one

ETHC232 Ethical and Legal Issues in the Professions

ETHC334 Diversity, Equity and Inclusion in the Workplace 

SOCIAL SCIENCES

SOCS185 Culture and Society 

MATHEMATICS AND NATURAL SCIENCES

MATH114 Algebra for College Students

PHYS204 Applied Physics with Lab

PERSONAL AND PROFESSIONAL DEVELOPMENT

CARD205 Career Development

COLL148 Critical Thinking and Problem-Solving



BE AN ACTIVE PART OF AN INCLUSIVE FUTURE

Customize your curriculum by choosing Diversity, Equity and Inclusion (DE&I) course alternates for your Communication Skills, Humanities and Social Science courses. These course options – denoted by this icon – highlight relevant topics to help empower you to promote an inclusive workplace.

TECH CORE

21
CREDIT HOURS

TECH CORE

CEIS101 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

NETW211 Fundamentals of Cloud Computing

SEC285 Fundamentals of Information Systems Security

PROGRAM

15
CREDIT HOURS

CYBERSECURITY

SEC290 Fundamentals of Infrastructure Security

SEC395 Cybersecurity Architecture and Engineering

SEC399 Cybersecurity Career Preparation

Select one

SEC311 Ethical Hacking

SEC322 Penetration Testing

Select one

SEC305 Cybersecurity and Data Privacy

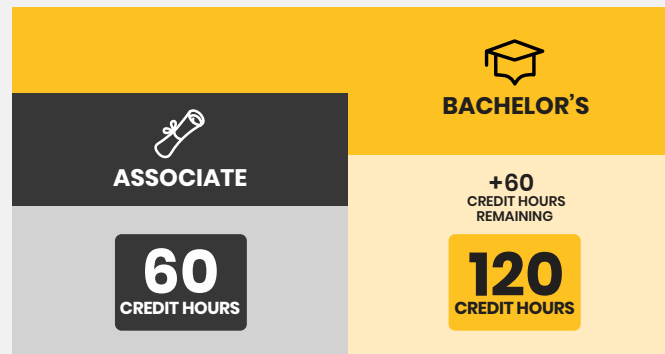
SEC340 Business Continuity

SEC380 Cloud Computing Security

CAREER PREPARATION

CEIS298 Introduction to Technical Project Management

Earn a Credential at Every Step



HOW DO CREDENTIAL STACK? HERE'S AN EXAMPLE

When you earn the Cybersecurity and Networking associate degree, all courses you complete in the program apply to our Information Technology and Networking bachelor's degree program when you pursue the Cyber Security concentration. Build your confidence – and your resume – when you start your journey at DeVry.

The figures displayed represent the minimum credit hours required for graduation. 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.

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