BACHELOR'S DEGREE PROGRAM | TECH - CYBERSECURITY

CYBERSECURITY AND NETWORKING

ABOUT THIS DEGREE PROGRAM

IS THIS PROGRAM FOR YOU?

If you're interested in building skills that cover all aspects of cyber security—from programming to cloud to network and data security; ethical hacking, vulnerability testing, business continuity and security operations—then this program may be the right choice for you.

A PROGRAM TO FUEL YOUR FUTURE

In this bachelor's degree, you'll learn to evaluate technologies and processes that are important for data privacy and security control, develop skills to maintain network security by leveraging an attacker's knowledge and engage with real world systems that organizations are using today to prepare to pursue your career in cyber security.

CAREER OPPORTUNITIES

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

- Cyber Security Engineer
- Cyber Security Manager
- Penetration and Vulnerability Testers
- Cloud Security Engineer
- Cyber Security Analyst
- Information Security Analyst

WHAT YOU'LL LEARN

ESSENTIALS

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

TECH CORE

- Produce, secure, operate and troubleshoot a small enterprise network
- Network, secure and deploy digital devices and sensors into the Internet of Things 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
- Evaluate technologies and processes that are important for data privacy and security control
- Maintain network security by leveraging an attacker's knowledge on exploiting vulnerabilities
- Utilize appropriate tools and techniques to perform penetration testing and analyze testing results
- Plan and implement incidence response, disaster recovery, business continuity, and crisis management
- Plan security controls and implement security operations for cloud environments
- Apply cybersecurity skills needed to secure in-house, cloud-centric and hybrid IT environments
- Simulate a security operations center (SOC) team applying core competencies to detect, analyze, respond to, and mitigate security incidents
- Implement, monitor and administer IT infrastructure using cybersecurity best practices

QUICK FACTS

124
CREDIT HOURS
minimum credit hours required for graduation

32%
GROWTH
nationally from 2022-2032 for Employment of Information Security Analysts[1]

NICCS™
NATIONAL INITIATIVE FOR CYBERSECURITY CAREERS AND STUDIES

NICCS ACKNOWLEDGED

DeVry University's Cyber Security curriculum is acknowledged and verified as an approved provider by the National Initiative for Cybersecurity Careers and Studies (NICCS).

SKILLS FOCUSED

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 Linux+
- CompTIA Security+
- CompTIA PenTest+
- ISC2 SSCP
- CISA
- CompTIA Cloud Essentials+
- CompTIA CySA+
- EC-Council CEH
- ISC2 CCSP

MINIMUM COMPLETION TIME*	OR	NORMAL COMPLETION TIME**
2 years 8 months		4 years

ACCELERATE ON YOUR SCHEDULE

Choose the schedule that best fits your goals and commitments. You can earn your **Bachelor's Degree** in as little as **2 years 8 months**.

Or, follow a normal schedule and complete your program in 4 years.

*Minimum completion time does not include breaks and assumes 3 semesters of year-round, full-time enrollment in 12-18 credit hours a semester per 12-month period.
**Normal completion time includes breaks and assumes 2 semesters of enrollment in 12-18 credit hours per semester per 12-month-period.

[1] https://www.bls.gov/ooh/computer-and-information-technology/information-security-analysts.htm. Gr owth 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.

DeVry University

Bachelor's Degree Program | Tech - Cybersecurity

Cybersecurity and Networking

ESSENTIALS

51 CREDIT HOURS

COMMUNICATION SKILLS

ENGL112	Composition
ENLG135	Advanced Composition
ENGL216	Technical Writing
One of	
SPCH275	Public Speaking
SPCH276	Intercultural Communication

HUMANITIES

LAS432	Technology, Society, and Culture
One of	
ETHC232	Ethical and Legal Issues in the Professions
ETHC334	Diversity, Equity and Inclusion in the Workplace

SOCIAL SCIENCES

ECON312	Principles of Economics
SOCS18	Culture and Society
One of	
SOCS325	Environmental Sociology
SOCS350	Cultural Diversity in the Professions

MATHEMATICS AND NATURAL SCIENCES

MATH114	Algebra for College Students
MATH234	Discrete Math Information Technology
TECH204	Everyday Physics
TECH221	Data-Driven Decision-Making

PERSONAL AND PROFESSIONAL DEVELOPMENT

CARD405	Career Development
COLL148	Critical Thinking and Problem – Solving

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
NETW212	Introduction to Cloud Computing
SEC285	Fundamentals of Information Systems Security

PROGRAM

18 CREDIT HOURS

CAREER PREPARATION

CEIS298	Introduction to Technical Project Management
MGMT404	Project Management
SEC399	Cybersecurity Career Preparation
TECH460	Senior Project

TECHNICAL ELECTIVES

Students select 9 credit hours courses from those with prefixes CEIS, CIS, ECT, MGMT, NETW, PROJ, SEC and WEB provided prerequisites are met. Courses must be at the 300-level or higher. Courses within other Colleges may be applied with permission from the appropriate academic administrator.

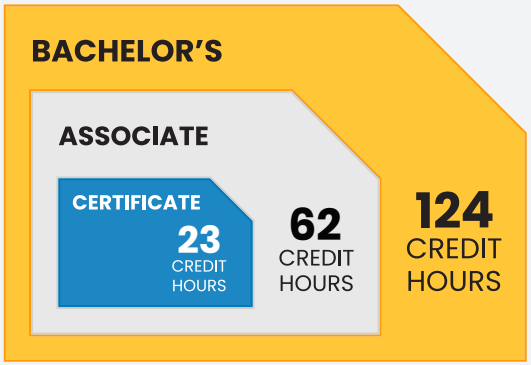
SPECIALIZED

34 CREDIT HOURS

PROGRAM FOCUS

NETW260	Intermediate Information Technology & Networking I
NETW270	Intermediate Information Technology & Networking II
SEC290	Fundamentals of Infrastructure Security
SEC305	Cybersecurity and Data Privacy
SEC311	Ethical Hacking
SEC322	Penetration Testing
SEC340	Business Continuity
SEC380	Cloud Computing Security
SEC395	Cybersecurity Architecture and Engineering
SEC455	Security Operations Center

Demonstrate Skills at Every Step



EMBEDDED PROGRAMS

Earn two additional credentials with our unique 3-in-1 design. All courses in our Information Technology Essentials certificate and Cybersecurity and Networking associate degree are embedded within this program.* So you can earn a certificate and an associate degree on the way to your bachelor's degree.

*The figures displayed represent the minimum credit hours required for graduation. Additional coursework may be necessary to complete program requirements. Future programmatic changes could impact the ability to earn additional credentials en route to an eligible degree program. Refer to the academic catalog for details.

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