CYBERSECURITY AND NETWORKING



ABOUT THIS PROGRAM



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

Our Cybersecurity and Networking Associate Degree teaches the technical and professionals skills sought out and needed by modern employers. The combination of these skills works together to prepare learners to become well-rounded contributors in the workplace.

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.²

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*
- Computer Systems Analyst
- Cybersecurity Specialist
- Incident and Intrusion Analyst

*may require additional years of experience

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
- 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
- Apply principles of technology in the building, testing, operation and maintenance of connected and distributed digital-based systems and networks





GROWTH nationally from 2023-2033 for employment of Information Sécurity Analysts¹

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.

SKILLS FOCUSED

OUICK FACTS

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 Cloud Essentials+
 • EC-Council CEH
- CompTIA Project+
- CompTIA PenTest+ (ISC)² CCSP
- CompTIA Network+
 CompTIA CvSA+
- NORMAL COMPLETION TIME* 1 years OR 2 years 4 months =Ò (?)

ACCELERATE ON YOUR SCHEDULE

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.

*Minimum completion time does not include breaks and assumes 3 semesters of year-round, full-time enrollment in 13-17 credit hours a semester per 12-month period.

**Normal completion time includes breaks and assumes 2 semesters of enrollment in 13-17 credit hours per semester per 12-month-period.



¹https://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. ²Future programmatic changes could impact the ability to earn additional credentials en route to an eligible degree program. Refer to the academic catalog for details,

CompTIA Linux+



ESSENTI	ALS	26	1
соммин	CREDIT HOURS	т	
ENGL112	Composition		C
SPCH275	Public Speaking		
HUMANITII	S		C
ETHC232	Ethical and Legal Issues in the	Professions	C N
SOCIAL SC	IENCES		
SOCS185	Culture and Society		N S

MATHEMATICS AND NATURAL SCIENCES

MATH114	Algebra for College Students
TECH204	Everyday Physics

PERSONAL AND PROFESSIONAL DEVELOPMENT

CARD205	Career Development
COLL148	Critical Thinking and Problem-Solving

TECH CO	RE	21 _
TECH CORE		CREDIT HOURS
CEIS101	Introduction to Technology and Inf Systems	formation
CEIS106	Introduction to Operating Systems	;
CEIS110	Introduction to Programming	
CEIS114	Introduction to Digital Devices	
NETW191	Fundamentals of Information Tech and Networking	nology
NETW212 SEC285	Introduction to Cloud Computing Fundamentals of Information Syste	em Security

P ____

CEIS298

PROGRAM	M	15
CYBERSECU	RITY	CREDIT HOURS
SEC290 SEC305	Fundamentals of Infrastructure Sec Cybersecurity and Data Privacy	urity
SEC335	Incident Response and Digital Foren	sics
Select one		
SEC311	Ethical Hacking	
SEC322	Penetration Testing	
PREPARATIO	N	

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 Cybersecurity and Networking bachelor's degree program.* Build your confidence - and your resume – when you start your journey at DeVry.

*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



RECOMMENDED PLAN OF STUDY

DeVry's Associate in Cybersecurity and Networking degree program is designed to prepare you with the knowledge and skills needed to pursue up to 11-13 external industry-specific certifications* within 1 year 4 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.

SEMI	ESTER 1	SEMI	ESTER 2	SEMI	STER 3	SEME	STER 4
COURSE CREDITS							
ENGL112 4	CEIS101 2	CEISI06 4	CEIS114 3	ETHC334 3	CEIS298 1	CARD205 2	SEC305 4
SOCS185 3	COLL148 3	CEISIIO 3	NETW191 3	NETW212 3	SEC311* 3	TECH204 4	SEC335 4
	MATH114 4		SPCH276 3	SEC285 3	SEC290 3	TOTAL 6	
TOTAL 7	TOTAL 9	TOTAL 7	TOTAL 9	TOTAL 9	TOTAL 7		TOTAL 8
8 WEEKS 2 MONTHS							

0-4 MONTHS

ALIGNED CERTIFICATIONS CompTIA IT Fundamentals

 Illustrate the basics of computing and explain the value of data and troubleshooting

5-8 MONTHS

ALIGNED CERTIFICATIONS CompTIA Linux+|PCEP Certified Entry-Level Python Programmer| CompTIA A+| CompTIA Network+

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

9-12 MONTHS

ALIGNED CERTIFICATIONS Cloud Essentials+| CompTIA Security+| CompTIA Project+| CEH| CompTIA CySa+

- Troubleshoot and secure cloud-based IT systems
- Utilize security technology and tools to mitigate cybersecurity threats
- Maintain network security by leveraging an attacker's knowledge on exploiting vulnerabilities
- Apply behavioral analytics to networks and devices to prevent, detect, and counter cybersecurity threats through continuous security monitoring

11–16 MONTHS ALIGNED CERTIFICATIONS

IRBIZ

- Plan and implement incidence response, disaster recovery, business continuity, and crisis management
- 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

*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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In New York, DeVry University operates as DeVry College of New York. DeVry University is accredited by The Higher Learning Commission (HLC), <u>www.hlcommission.org</u>. 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 <u>Tennessee Higher Education Commission</u>, www.th.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 compliant 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. ©2025 DeVry Educational Development Corp. All rights reserved. Version 3/2025

