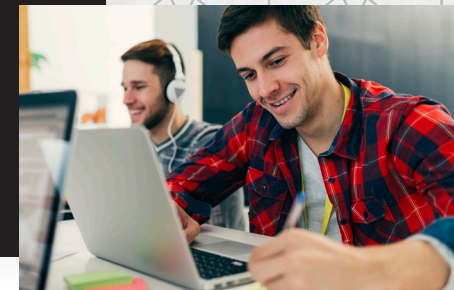


INFORMATION TECHNOLOGY NETWORKING

Specialization: Network Systems Administration



ABOUT THIS DEGREE 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

In this specialization, you'll learn network protocols including how to design and secure LAN, VLAN and WAN networks, and how to enable the interface, connection and security of multiple computing systems and software platforms.

IS THIS PROGRAM FOR YOU?

Are you interested in how organizations and businesses are networked, and exchange and secure information? Then you may be interested in this program studying network systems and administration.

CAREER OPPORTUNITIES

Graduates of DeVry's Information Technology and Networking associate degree program with a specialization in Network Systems Administration may consider, but are not limited to, the following careers:

- Computer Network Support Specialist
- Computer Systems Analyst
- Information Technology Specialist
- Local Area Network Administrator
- Network Technical Analyst

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 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)

PROGRAM

- Apply knowledge of math and science principles through programming to solve well-defined technology problems
- Design solutions for technology-driven problems
- Contribute to the design of systems, components and/or processes
- Conduct standard tests, measurements and experiments, and analyze and interpret results

SPECIALIZED

- Use network protocols, such as VoIP
- Design typical LAN, VLAN and WAN networks
- Configure, test and troubleshoot wireless routers and clients
- Identify and mitigate network risk

QUICK FACTS

60
CREDIT HOURS
minimum credit hours required for graduation

10%
GROWTH
nationally from 2018-2028 for Employment of Computer Support Specialists¹

1 + 4
YEAR MONTHS
minimum length to graduation²



EVERY COURSE COUNTS

If you choose to continue on with your education, all credits apply directly to your bachelor's, saving you time and money.³



PORTABLE IoT KIT

You can simulate the Internet of Things (IoT) experience wherever you are. With our portable IoT Kit, you'll get hands-on experience in how IoT technologies work in the real world. Your kit will include digital devices, sensors and other tools you will use to build relevant IoT systems.



CERTIFICATION EXAM REIMBURSEMENT

We reimburse qualified students up to \$300 for the cost of one industry certification exam attempt across a wide range of fields.

¹ <https://www.bls.gov/ooh/computer-and-information-technology/computer-support-specialists.htm>. Data reflects a national projected percentage change in employment from 2016-2026 and may not reflect local economic conditions.

² Not including breaks. Assumes year-round, full-time enrollment. Additional program information may be found at <https://www.devry.edu/degree-programs.html>. ³ 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.

Information Technology Networking | Network Systems Administration

ESSENTIALS

26
CREDIT HOURS

COMMUNICATION SKILLS

ENGL112 Composition
SPCH275 Public Speaking

HUMANITIES

ETHC232 Ethical and Legal Issues in the Professions

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

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
NETW190 Fundamentals of Information Technology and Networking I
NETW200 Fundamentals of Information Technology and Networking II
SEC285 Fundamentals of Information Security

PROGRAM

1
CREDIT HOURS

TECHNOLOGY CAREER PREPARATION

CEIS299 Careers and Technology

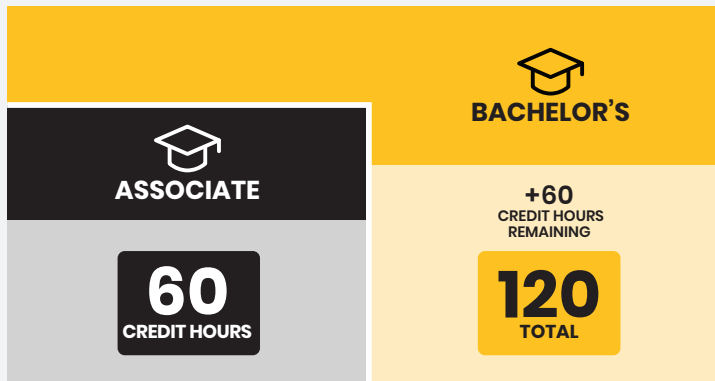
SPECIALIZED

12
CREDIT HOURS

NETWORK SYSTEMS ADMINISTRATION (NSA)

NETW250 Voice/VoIP Administration with Lab
NETW260 Intermediate Information Technology and Networking I
NETW270 Intermediate Information Technology and Networking II
SEC290 Fundamentals of Infrastructure Security

Earn a credential at every step.



BUILD SKILLS WITH STACKABLE DEGREES

You don't have to wait four years to show a credential on your resume. At DeVry, several programs are designed to stack. Start with a shorter credential that takes less time so it's more affordable. Flexible online and on-site classes build your professional skills right away. Every course counts toward the next degree level¹

HOW DO CREDENTIALS STACK?

Here's an example: When you earn an Associate Degree in Information Technology and Networking, every course you completed in the program applies to your Bachelor's Degree in Information Technology and Networking. Build your confidence – and your resume – when you start your journey at DeVry.

¹ The figures displayed represent the minimum credit hours required for graduation. Additional coursework may be necessary to complete program requirements. For the AITN program, in the Automation and Electronic Systems specialization every course counts towards the Bachelor's in Electronics Engineering Technology and Bachelor's in Engineering Technology-Electronics, in the Network Systems Administration specialization every course counts towards the Bachelor's in Information Technology and Networking, in the Information Systems and Programming specialization every course counts towards the Bachelor's in Software Development and the Bachelor's in Computer Information Systems. 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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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. 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: 2450 Crystal Dr., Arlington, VA 22202. DeVry University is authorized for operation as a postsecondary educational institution by the Tennessee Higher Education Commission, www.tn.gov/thecc. Nashville Campus: 3343 Perimeter Hill Dr., Nashville, TN 37211. Programs, course requirements and availability vary by location. Some courses may be available online only. All students enrolled in site-based programs will be required to take some coursework online and, for some programs and locations, a substantial portion of the program may be required to be completed online. DeVry's academic catalog, available via devry.edu/catalogs, contains the most current and detailed program information, including admission, progression and graduation requirements. Information contained herein is effective as of date of publishing. ©2019 DeVry Educational Development Corp. All rights reserved. Version 12/16/19