



Associate Degree Program INFORMATION TECHNOLOGY AND NETWORKING

Specialization: Network Systems Administration

TECHNOLOGY
INFORMATION TECHNOLOGY

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 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

11%
GROWTH
nationally from 2016-2026 for Employment of Computer Network Support Specialist¹

1 + 4
YEAR MONTHS
minimum length to graduation²



EVERY COURSE COUNTS

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



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.

Why did you choose DeVry?

“I wanted to gain the skills needed to help me get a career of my dreams!”

- Sharese R.,
2015 graduate, Computer Information Systems

DeVry 
University

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.

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



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