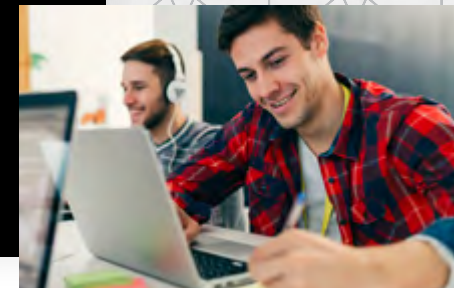


INFORMATION TECHNOLOGY & NETWORKING

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 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

8%
GROWTH
nationally from 2019-2029 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 at DeVry, all credits apply toward a Bachelor's degree in Information Technology and Networking.³



WORK WITH IOT TECHNOLOGIES & SYSTEMS

Immerse yourself in the Internet of Things (IoT) world and obtain hands-on experience with IoT, cloud, software and security technologies and 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.



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 options highlight relevant topics to help empower you to promote an inclusive workplace.

¹ <https://www.bls.gov/ooh/computer-and-information-technology/computer-support-specialists.htm>. Growth projected on a national level. Local growth will vary by location.

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

³ For the Associate in Information Technology and Networking program with a specialization in Network Systems Administration, every course counts towards the Bachelor's in Information Technology and Networking. 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

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

 This icon indicates Diversity, Equity & Inclusion Courses

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

1
CREDIT HOURS

CAREER PREPARATION

CEIS299 Careers and Technology

SPECIALIZED

12
CREDIT HOURS

NETWORK SYSTEMS ADMINISTRATION

NETW260 Intermediate Information Technology and Networking I

NETW270 Intermediate Information Technology and Networking II

NET310 Wired, Optical and Wireless Communications with Lab

SEC290 Fundamentals of Infrastructure Security

Demonstrate Skills at Every Step

ASSOCIATE

CERTIFICATE

23
CREDIT
HOURS

60
CREDIT
HOURS

EMBEDDED PROGRAMS

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

visit [DeVry.edu](https://www.devry.edu) | Call 888.DeVry.04