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

TWO IN ONE

DEMONSTRATE SKILLS AT EVERY STEP

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 a certificate on the way to your associate degree.[1]

SKILLS FOCUSED

SKILL FOCUSED CURRICULUM

Elements of our technology curriculum help prepare you to pursue certification opportunities that can validate your knowledge and skills.

- CompTIA A+
- CompTIA ITF+
- CompTIA Network+
- CompTIA Cloud Essentials+
- CompTIA Linux+
- CompTIA Security+

MINIMUM COMPLETION TIME*

1 year 4 months

OR

NORMAL COMPLETION TIME**

2 years

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.

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Information Technology & Networking | Network Systems Administration

ESSENTIALS

26 CREDIT HOURS

COMMUNICATION SKILLS

ENGL112	Composition

Select one

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
TECH204	Everyday Physics

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
NETW191	Fundamentals of Information Technology and Networking
NETW212	Introduction to Cloud Computing
SEC285	Fundamentals of Information Systems Security

PROGRAM

1 CREDIT HOURS

CAREER PREPARATION

CEIS298	Introduction to Technical Project Management

SPECIALIZED

12 CREDIT HOURS

NETWORK SYSTEMS ADMINISTRATION
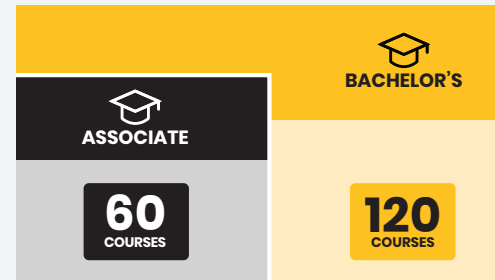
NETW260	Intermediate Information Technology and Networking I
NETW270	Intermediate Information Technology and Networking II
NET310	Wired, Optical and Wireless Communications with Lab
SEC290	Fundamentals of Infrastructure Security

EARN A CREDENTIAL AT EVERY STEP

BACHELOR'S

ASSOCIATE

60 COURSES

120 COURSES

HOW DO CREDENTIALS STACK?

When you earn an Associate Degree in Information Technology and Networking with a specialization in Network Systems Administration, eligible courses completed in the program apply to a Bachelor's Degree in Information Technology.**
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 credits 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.

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