

NETWORK SYSTEMS ADMINISTRATION



ABOUT THIS DEGREE PROGRAM

TECH CORE

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

DeVry University's Network Systems Administration associate degree program can prepare you with a firm foundation in network protocols that enable implementation of LAN, VLAN and WAN networks, and how to bridge multiple computing systems and enterprises.

IS THIS PROGRAM FOR YOU?

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

CAREER OPPORTUNITIES

Graduates of DeVry University's Network Systems Administration associate degree program may consider careers including, but not limited to, the following:

- Computer Support Specialist
- Computer Network Support Specialist

Employment in some occupations may require years of relevant experience.

WHAT YOU'LL LEARN

ESSENTIALS

- Communicate methods and findings
- Collaborate in dynamic work environments
- Solve complex problems
- Analyze numerical data
- Apply appropriate technologies

PROGRAM

- Apply networking protocols to large and small network configurations
- Build and upgrade networked systems
- Use network switching techniques

SPECIALIZED

- Explore and apply VOIP technologies in networks
- Use network operating systems to manage LANs and WANs
- Understand information security threats and secure networked systems

QUICK FACTS

67
CREDIT HOURS
minimum credit hours required for graduation¹

8%
GROWTH
nationally from 2019-2029 for employment of computer support specialists²

1 + 6
YEAR MONTHS
minimum length to graduation³

IoT PROJECTS

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.

SKILLS FOCUSED

CERTIFICATION EXAM ALIGNED 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.

- Comp TIA ITF+
- CompTIA A+
- Comp TIA Linux+
- Comp TIA Network+
- Comp TIA Cloud+
- Comp TIA Security+
- CCNA

FLEX 2 FIT

FLEXIBILITY TO FIT YOUR LIFE

Take courses online, on campus or in our innovative connected classrooms. Study full- or part-time and tailor your DeVry experience to fit your life. Classes start every 8 weeks, so you can earn your college degree when it makes sense for you.

DIVERSITY, EQUITY & INCLUSION

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.

¹65 for students enrolled at a New Jersey location and 70 for students enrolled at a Pennsylvania location.

² <https://www.bls.gov/ooh/computer-and-information-technology/computer-support-specialists.htm>. Growth projected on a national level. Local growth may vary.

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

Network Systems Administration

ESSENTIALS

30
CREDIT HOURS

COMMUNICATION SKILLS¹

ENGL112 ²	Composition
ENGL135	Advanced Composition

Select one

SPCH275	Public Speaking
SPCH276	Intercultural Communication ☼

HUMANITIES^{3,4}

Select one

ETHC232	Ethical and Legal Issues in the Professions
ETHC334	Diversity, Equity and Inclusion in the Workplace ☼

SOCIAL SCIENCES

SOCS185 ⁵	Culture and Society ☼
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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

¹ 10 for students enrolled at a New Jersey location.

² Students enrolled at a New Jersey location take ENGL108 in lieu of this course.

³ Students enrolled at a Pennsylvania location must take HUMN451 as part of this requirement.

⁴ 6 for students enrolled at a Pennsylvania location.

⁵ Students enrolled at a Nevada location must take POLI332 in lieu of this requirement.

PROGRAM

38
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

INFORMATION TECHNOLOGY AND NETWORKING

NETW260	Intermediate Information Technology & Networking I
NETW270	Intermediate Information Technology & Networking II
NETW310	Wired Optical and Wireless Communication with Lab
NETW320	Converged Networks with Lab
SEC310	Principles and Theory of Security Management

CAREER PREPARATION

CEIS299	Careers and Technology
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