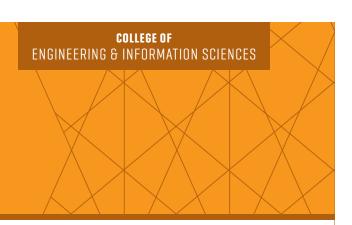Bachelor's Degree Program
NETWORK & COMMUNICATIONS MANAGEMENT

ABOUT THIS DEGREE PROGRAM

Today, businesses and individuals demand connectivity 24/7. Communication, information and even entertainment are delivered through "always on" networks that need to be highly accessible and highly secure. Recent advances in wireless and fiber optic technology have made communication faster and clearer than ever before; making possible a range of new mobile devices that allow you to remotely schedule and watch your favorite TV shows, while browsing the web.

A bachelor's degree from DeVry University's Network & Communications Management program can prepare you with the knowledge and skills needed in this profession. Our degree program can expose you to the next-generation of network tools and prepare you to connect people via VoIP, video, smart phones and more.

Tech Path
This degree program offers the option for a tech-centric plan of study. The modern workplace is interconnected and technology-dependent. That's why we put tech at the core of many degree programs and courses. Students in the Tech Path learn to leverage technology, connecting people, processes, data and devices to solve real-world business problems.

GENERAL EDUCATION COURSEWORK

At DeVry University, we believe in the value of a comprehensive education. This means broadening your knowledge and skill sets beyond the area of your degree program, to help prepare you to succeed in today's diverse and evolving workplace.

From day one, you can learn important analytical and communication skills, such as problem-solving, reasoning and analysis, academic and professional writing, and mathematics and statistics skills. These skills can better equip you to work across cultures and understand a wide range of concepts that influence your area of study.

General Education Coursework:
- Communication Skills
- Humanities
- Mathematics
- Natural Sciences
- Social Sciences

Please refer to DeVry's academic catalog for a detailed list of General Education courses.

The following General Education courses are part of the DeVry Tech Path.

ENGL112	Composition
ENGL135	Advanced Composition
ENGL216	Technical Writing
SPCH275	Public Speaking
HUMN303	Introduction to Humanities
ETHC445	Principles of Ethics
LAS433	Technology, Society and Culture
ECON312	Principles of Economics
SOCS185	Culture and Society
SOCS325	Environmental Sociology
SCI228	Nutrition, Health and Wellness with Lab
MATH114	Algebra for College Students
MATH221	Statistics for Decision Making
CARD405	Career Development
COLL148	Critical Thinking and Problem Solving

CORE-DEGREE COURSEWORK

ALL of these courses

ACCT301	Essentials of Accounting
BUSN115	Introduction to Business and Technology
CEIS100	Introduction to Engineering Technology and Information Sciences
CIS206	Architecture and Operating Systems with Lab
COMP129	PC Hardware and Software with Lab
COMP230	Introduction to Scripting and Database with Lab
MGMT404	Project Management
SEC280	Principles of Information Systems Security

1 of these courses

MGMT408	Management of Technology Resources
NETW430	Information Storage and Management with Lab

DID YOU KNOW?

Cisco Networking Academy courses at DeVry University teach networking and IT skills that can prepare you for industry-recognized certifications.

Courses in blue are part of the DeVry Tech Path

DeVry University

CAREERS IN NETWORK & COMMUNICATIONS MANAGEMENT

Network and communications managers are employed far beyond the computer and telecommunications industries. Financial firms, insurers, schools and government agencies all employ network and communications specialists to meet their specialized needs for information sharing and communication. Many network and communications professionals are also self-employed as consultants working for a wide variety of companies.

Earning DeVry University's bachelor's degree in Network & Communications Management, you can be prepared to design, build, install and manage voice, video and other data communication systems. You can learn to create backup, security and redundancy measures to ensure the privacy of sensitive information and the ability to access critical information in times of crisis or natural disaster. You can also gain a basic understanding of the regulations that govern this industry, allowing you to perform your tasks ethically and conscientiously.

Within the Cisco track of our Networking program, you can learn the networking and IT skills to prepare you for the Cisco Certified Networking Associate (CCNA) and the Cisco Certified Entry Networking Technician (CCENT) certifications, industry recognized credentials. Certifications like these validate your skills to hiring managers. And, as a student enrolled in our Network & Communication Management program, you can take advantage of our Certification Prep courses at no tuition charge. Better still, eligible students who register for, and complete, the CCNA exam may be reimbursed for one exam sitting.

Graduates of DeVry University's Network & Communication Management degree program may consider careers including, but not limited to, the following:

- Computer Network Support Specialist
- Computer Security Specialist
- Computer Support Specialist
- Corporate Security Manager
- Data Communications Analyst
- Database Administrator
- Disaster Recovery Analyst
- Network and Communications Manager
- Network and Telecommunications Manager
- Network Engineer
- Network or Computer Systems Administrator
- Network Security Administrator
- Network Security Analyst
- Network Security Specialist
- Network Systems Analyst
- Network Systems or Data Communications Analyst

Employment in some occupations may require years of relevant experience.

For comprehensive consumer information, visit devry.edu/studentconsumerinfo. Important information about the education debt, earnings and completion rates of students who attended this program can be found at devry.edu/bncm-ge. For additional program information, visit devry.edu/bncm.

KNOWLEDGE AND SKILLS

WIRED, OPTICAL AND WIRELESS COMMUNICATIONS — Examine various signals and their transmission in the network, including codes and numbering systems, data transmissions methods, basic point-to-point networks, error detection and correction, and Internet access technologies.

CONVERGED NETWORKS — Explore current and emerging networks that deliver voice, data and video/imaging through various technologies, including core switching, broadband, edge access, Internet protocol telephony, adding packet capabilities to circuit-switched networks, 3G and 4G solutions, presence-enabled communications, and security and troubleshooting.

WIRELESS TECHNOLOGIES AND SERVICES — Explore wireless technology and how wireless networks operate, including wireless network components, design, security, troubleshooting and regulation.

ADVANCED NETWORKING — Focus on emerging and advanced topics in the networking field, exploring advances in technology and their implications in designing, implementing, securing and managing networks.

ADVANCED NETWORK SECURITY — Develop advanced skills in identifying network security vulnerabilities, including wireless vulnerabilities; conducting risk assessments; preventing, detecting and responding to intrusions; and providing for business continuity and disaster recovery.

ADMINISTRATION AND MANAGEMENT — Gain knowledge of the business and management principles involved in strategic planning, resource allocation, human resources modeling, leadership techniques, production methods, and coordination of people and resources.

SYSTEMS EVALUATION — Identify measures or indicators of system performance and the actions needed to improve or correct performance, relative to the goals of the system.

ATTENTION TO DETAIL — Learn to pay attention to detail and to be thorough in completing work tasks.

INTERACTING WITH COMPUTERS — Use computers and computer systems to program hardware, write software, set up functions, enter data or process information.

PROGRAM-SPECIFIC COURSEWORK

ALL of these courses

NETW202	Introduction to Networking with Lab
NETW204	Introduction to Routing with Lab
NETW206	Introduction to Switching with Lab
NETW208	Introduction to WAN Technologies with Lab
SEC450	Advanced Network Security with Lab

OR

ALL of these courses

NETW203	Cisco Networking Academy- Introduction to Networking with Lab
NETW205	Cisco Networking Academy- Introduction to Routing with Lab
NETW207	Cisco Networking Academy- Introduction to Switching with Lab
NETW209	Cisco Networking Academy- Introduction to WAN Technologies with Lab
SEC453	Cisco Networking Academy- Advanced Network Security with Lab

ALL of these courses

NETW230	Network Operating Systems - Windows, with Lab
NETW240	Network Operating Systems - UNIX, with Lab
NETW250	Voice/VoIP Administration with Lab
NETW310	Wired, Optical and Wireless Communications with Lab
NETW320	Converged Networks with Lab
NETW360	Wireless Technologies and Services with Lab
NETW410	Enterprise Network Design with Lab
NETW420	Enterprise Network Management with Lab
NETW471	Advanced Topics in Networking

ALL of these courses

NETW490	Senior Project with Lab

OR

ALL of these courses

NETW494	Senior Project I with Lab
NETW497	Senior Project II with Lab

Courses in blue are part of the DeVry Tech Path

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