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 help position you for a career in this rapidly evolving and high growth field. Our degree program can expose you to the next-generation of network tools and prepare for a career connecting people via VoIP, video, smart phones and more.

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 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
• Personal and Professional Development
• Social Sciences

CORE-DEGREE COURSEWORK

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

<table>
<thead>
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<th>Course Code</th>
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<tbody>
<tr>
<td>ACCT301</td>
<td>Essentials of Accounting</td>
</tr>
<tr>
<td>BUSN115</td>
<td>Introduction to Business and Technology</td>
</tr>
<tr>
<td>COMP100</td>
<td>Computer Applications for Business with Lab</td>
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<td>COMP129</td>
<td>PC Hardware and Software with Lab</td>
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<td>COMP230</td>
<td>Introduction to Scripting and Database with Lab</td>
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<td>MGMT404</td>
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<td>MGMT408</td>
<td>Management of Technology Resources</td>
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<tr>
<td>SEC280</td>
<td>Principles of Information Systems Security</td>
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Note: DeVry’s academic catalog, available via www.devry.edu/uscatalog, contains the most current and detailed program information, including graduation requirements.
CAREERS IN NETWORK AND 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.

Graduates of DeVry University’s Network & Communication Management degree program may consider careers including:

- Computer Security Specialist
- Network Security Consultant
- Network and Telecommunications Manager
- Network Systems Analyst
- Security Architect
- Network Engineer

According to the Bureau of Labor Statistics, employment of network systems and data communications analysts is expected to grow by 53 percent from 2008 to 2018, which is much faster than the average for all occupations and places it among the fastest growing of all occupations. According to its Occupational Outlook Handbook, “...demand for network architects and engineers will increase as organizations continue to upgrade their IT capacity and incorporate the newest technologies. The growing reliance on wireless networks will result in a need for many more of these workers.”

KNOWLEDGE AND SKILLS

Wired, Optical and Wireless Communications

- Examine various signals and their transmission in the network, including codes and numbering systems, data transmission 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.

In New York, DeVry University operates as DeVry College of New York. DeVry University is accredited by The Higher Learning Commission (HLC), www.ncahlc.org. DeVry is certified to operate by the State Council of Higher Education for Virginia. DeVry University is authorized for operation by the THEC. www.state.tn.us/thec. Nashville Campus – 3343 Perimeter Hill Dr., Nashville, TN 37211. Program availability varies by location. AC0060. ©2014 DeVry Educational Development Corp. All rights reserved. Version 7/7/14

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