

## Information Technology- Networking Infrastructure Technician

Certificate of Proficiency  
56 Credits

This certificate program prepares students for entry-level employment as a network technician or systems administrator. It is also useful for established IT professionals who want to add the networking infrastructure technician specialty to their credentials.

Network infrastructure technician and administrators install, support, and maintain an organization's network infrastructure. They also troubleshoot problems and monitor the network to ensure that performance and availability standards are met. Network engineers design, plan, implement and administer complex network environments.

Students in this certificate program receive foundational training in a broad range of networking subjects, resulting in a balanced, well-rounded knowledge of planning, implementing, maintaining and troubleshooting networks, including the routers, switches, wireless networking, firewalls, and wiring infrastructure. In addition to the technical courses, students learn key interpersonal, critical thinking, and communication skills sought by employers. Each graduate of this program will complete a minimum of 150 hours of network management work experience..

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<u>Dept./No.</u>	<u>Course Title</u>	<u>Credits</u>
# Cmst& 210 <b>or</b> Cmst& 220 <b>or</b> Cmst& 230	Interpersonal Communication <b>or</b> Public Speaking <b>or</b> Small Group Communication	5
# Engl& 101	English Composition I	5
# Math 108 <b>or</b> Math 147	Contemporary Math for Information Technology <b>or</b> Finite Math for Business and Social Science	5
IT 131 <b>or</b> IT 210	Network Infrastructure Fundamentals <b>or</b> Managing Cisco Routers and Switches	5
IT 132	Structured Cabling	2
# IT 140	Customer Service for IT Professionals	5
IT 211	Routing Theory and Implementation	5
IT 212	Advanced Routing and Switching	5
IT 213	Implementing Wide Area Networking	5
IT 274	CCNA Exam Preparation	5
IT 285	Implementing and Securing Wireless Networks	5
<b>Practical Experience:</b> Four credits from the following courses:		4
IT 171	IT Work Experience Seminar	(1)
IT 177	Network Administration Work Experience	(3)

# Satisfies related instruction requirements.

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