
Network Specialist

Objective: The Network Specialist program is designed to give students the ability to configure and troubleshoot computer hardware and administer and configure Novell and Microsoft networks. In addition, the program is designed to give the students the ability to design Windows infrastructure and active directory, Cisco router configuration, wireless networks, and network security. Web authoring at the HTML level is introduced. Students are introduced to routers, Microsoft Office, and ethics in technology and society. Graduates are prepared to assume positions as entry-level network engineers or systems engineers.

Empire College is a Microsoft IT Academy and MSDN AA (Microsoft Developers Network Academic Alliance) member and uses a teaching program prescribed by Microsoft to prepare graduates for certification as Microsoft Certified Professionals (MCP) at the product level.

The student is prepared for ten certifications:

CompTIA A+ Technician

CompTIA Network+

CompTIA Linux+

CompTIA Security+

Microsoft Certification at the product level (MCTS-Microsoft Certified Technology Specialist) in five areas:

Windows 7 Professional, Windows Server 2008 Server Administrator, Windows 2008 Network Infrastructure Configuration, Windows Server 2008 Active Directory Configuration, and Windows Server 2008 Enterprise Administrator

MCITP (Microsoft Certified IT Professional) Server Administrator: With completion of the three MCTS certifications (Windows Server 2008 Server Administrator, Windows Server 2008 Network Infrastructure Configuration, Windows Server 2008 Active Directory Configuration), the student will have achieved the highly regarded MCITP Server Administrator certification.

Certifications are not required to be employed in the career field or to graduate from the program, but they are highly recommended. Exams may be taken at the on-campus Prometric/VUE Testing Center. Exam fees vary, ranging from \$60 to \$225.

Note: All units in this program are transferable to the Specialized Associate Degree – Information Technology (Microsoft Concentration) program.

Expected Educational Outcomes: Upon completing the Network Specialist program, students will have demonstrated:

1. The ability to provide customer and user support for computer systems and networking products including Microsoft Windows, Novell Netware, Linux cross platform connectivity, and numerous software products.
2. An understanding of Microsoft Windows operating systems including setup, configuration, and file and user management, as well as router configuration.
3. The critical thinking skills required to analyze network connectivity problems and make necessary judgments to troubleshoot hardware and software.
4. The ability to interact with users/customers in a professional, businesslike manner.
5. Proficiency with web authoring and Microsoft Office.

Diploma awarded upon successful completion of all graduation requirements.

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Empire College
Business – Law – Technology – Medical

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Program Outline: Requirements for Graduation

Class No.	Class Title	Hours	Qtr. Units
CM166A	Beginning Excel	25	1.0
CM190A	Web Authoring I	25	1.0
CM192A	Microsoft Office Professional: An Overview of Word and Excel	25	1.0
CS100	Introduction to Computer Hardware	75	6.0
CS111A	Powershell	25	1.0
CS120	Computer Configuration and Troubleshooting	75	6.0
CS140	Advanced Computer Set-up and Communications	75	6.0
CS160	Network Plus	75	6.0
CS175A	Wiring Hardware	25	1.5
CS183	Green Information Technology Strategies	25	1.0
CS191A	Certification Preparation	25	1.5
CS191B	Certification Preparation	25	1.5
CS191C	Certification Preparation	25	1.5
CS205	Windows Server	75	5.5
CS212	Windows Server Network Infrastructure	75	5.5
CS218	Windows Server Active Directory	75	5.5
CS231	Enterprise Administrator	75	5.5
CS242	Windows Operating System Configuration	75	5.5
CS250A	Introduction to Routers I	25	2.5
CS260	Linux Plus	75	6.0
CS270A	Technical Drawing with Visio	25	1.0
CS325	Security Plus	75	5.5
EN303A	Management Communica- tions I	25	2.5
GB101	Career Transitions	25	2.5
GB200A	Human Relations I	25	2.5
GB200B	Human Relations II	25	2.5
MA101	Introduction to Algebra	25	2.5
PH101A	Ethics in Technology and Society	<u>25</u>	<u>2.5</u>
	Total:	1250	92.5
	Total Weeks/Quarters:		
	Daytime:	50/5	
	Evening:	75/5	

Keyboarding Speed Requirement: 25 NWPM