
Network Administrator

Objective: The Network Administrator 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 student additional experience with Network Infrastructure Administration and Active Directory Services in a theory and laboratory setting. Students are also introduced to Visio Technical Drawing and Microsoft Office. Graduates are prepared to assume entry-level positions as network administrators or network technicians.

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 eight certifications:

- CompTIA A+ Technician

- CompTIA Network+

- CompTIA Linux+

- Microsoft Certification at the product level (MCP) in four areas:

 - Windows XP Professional; Windows 2003 Server; Implementing, Managing and Maintaining a Microsoft Windows Server 2003 Network Infrastructure; and Planning, Implementation, and Maintaining a Windows 2003 Active Directory Infrastructure.

- Microsoft Certified Systems Administrator (MCSA): With completion of the CompTIA A+ Technician, Network+, and three MCP certifications, the student will have achieved the highly regarded MCSA 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 program.

Expected Educational Outcomes: Upon completing the Network Administrator 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 ability to interact with users/customers in a professional, businesslike manner.
4. Proficiency with web authoring and Microsoft Word, Excel, and Access.

Diploma awarded upon successful completion of all graduation requirements.

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Program Outline: Requirements for Graduation

Class No.	Class Title	Hours	Qtr. Units
CM166A	Beginning Excel	25	1.0
CM168A	Beginning Access	25	1.0
CM192A	Microsoft Office Professional: An Overview of Word and Excel	25	1.0
CS100	Introduction to Computer Hardware	75	6.0
CS110A	Command Line Scripting	25	1.0
CS120	Computer Configuration and Troubleshooting	75	6.0
CS140	Advanced Computer Set-up and Communications	75	6.0
CS160A	Network Plus I	25	2.5
CS160B	Network Plus II	25	2.5
CS175A	Wiring Hardware	25	1.5
CS191	Certification Preparation	25	1.5
CS205	Windows 2003 Server	75	5.5
CS212	Implementing, Managing, and Maintaining a Microsoft Windows 2003 Infrastructure	75	5.5
CS218	Planning and Maintaining Windows 2003 Active Directory	75	5.5
CS242	Windows XP	75	5.5
CS245	Wireless Networking	25	1.0
CS260	Linux Plus with Novell Administration	75	6.0
CS270A	Technical Drawing with Visio	25	1.0
EN303A	Management Communica- tions I	25	2.5
EN303B	Management Communica- tions II	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
	Total:	1000	75.0
	Total Weeks/Quarters:	40/4	

Keyboarding Speed Requirement: 25 NWPM