

# NETWORK ADMINISTRATOR



## NETWORK ADMINISTRATOR CERTIFICATE

18 credits

This program answers a need in the local region from educational and financial institutions as well as small business for people with the basic skills to effectively manage microcomputer networks. SUNY Ulster is designated as a Regional Academy for Cisco Systems training and a member of the Microsoft IT Academy program. For complete course descriptions, dates and pricing refer to [sunyulster.edu](http://sunyulster.edu)

### LOCAL AREA NETWORKS - NET 103

This course is the third course of the four semester Cisco Systems CCNA preparation program. This track is a robust implementation that follows the proven, world recognized Cisco Networking Academy curriculum and incorporates significant online components, including testing. It is designed for students seeking a technical degree in the field of Computer Networking, and for the student seeking CCNA/CCNP certification. This course shows how to scale networks containing switched and routed segments. It covers link redundancy and aggregation, simple wireless networks, and implementing OSPF and EIGRP routing for intermediate sized networks. Prerequisite: NET 102

### WIDE AREA NETWORKS - NET 104

This course discusses the WAN technologies and network services required by converged applications in Enterprise Networks. Students learn how to implement and configure common data link protocols and how to apply WAN security concepts, principles of traffic, access control and addressing services. These include Network and Port Address Translation, Dynamic Host Configuration Protocol, Access Control Lists and introductions to IP version 6, VPN and broadband. Students learn how to detect, troubleshoot, and correct common enterprise network implementation issues. Emphasis is given to the use of decision making and problem solving techniques. Prerequisite: NET 103

### INSTALLING, CONFIGURING & ADMINISTERING MS WINDOWS - NET 170

The student will learn how to implement, administer, and troubleshoot the current version of Windows Professional as a desktop operating system in any network environment. The student will also learn to implement, administer, and troubleshoot the current version of Windows Server as a member server of a domain in an Active Directory environment. Topics include server roles as a file and print server and as an application server. Prerequisite: NET 102 and CIS 116 or equivalent computer experience



## IBM Community College Skills Accelerator Program for New Collar Jobs

IBM has partnered with select community colleges including SUNY Ulster to build “new collar” skills for employment. This program provides SUNY Ulster faculty and staff access to IBM technical resources and an educational pathway that prepares students for “new collar” roles. IBM locally hires apprentices for Hardware Design Technicians, Mainframe System Administrators, Electronics Engineer Lab Technicians, Software Engineers and Chemical Technicians. Graduates of SUNY Ulster are able to apply for these apprentice positions at <https://careers.ibm.com/ListJobs/All/Search/jobtitle/apprentice/new-collar-role/yes/>

## RECRUIT SUNY Ulster's TOP NOTCH Talent

### WAYS TO RECRUIT SUNY ULSTER STUDENTS

SUNY Ulster would like to partner with you to explore, engage, and recruit our best talent. Services and resources we offer to benefit and support your recruiting efforts.

- College Central Network - an online tool that allows local employers to recruit SUNY Ulster students and graduate. Register at [collegecentral.com/sunyulster](http://collegecentral.com/sunyulster)
- Attend our Spring Career Fair on Thu, April 23. This is a great opportunity to educate students and alumni about your company and network with potential future employees.
- Tabling is a great way to increase visibility and raise awareness about opportunities with your organization.
- We will help arrange company visits. Company visits are designed to take a small and select group of students to your place of business for a tour of the facility, to attend a presentation on career opportunities, and to network with your employees.

For more information, contact Career Services  
845-802-7188 / [careerservices@sunyulster.edu](mailto:careerservices@sunyulster.edu)



M - MONDAY • T - TUESDAY • W - WEDNESDAY • R - THURSDAY • F - FRIDAY • S - SATURDAY • U - SUNDAY