



South Central College
Program Design

CERT 3297 Network Administration

Program Information

Instructional Level Certificate

Career Cluster Arts, Communications, & Information Systems

Description

This certificate provides learners with the skills they need to install, troubleshoot and support computers and servers in small to medium sized computer networks. Through hands-on experience building, configuring, and managing computer network hardware and software, learners will develop a broad background in networking technologies, administration, and support. Successful graduates will be ready to pursue careers in network support and administration, and the electives included in the program allow learners to custom design their certificate based on their needs and employment goals. In addition, the program prepares learners for a wide variety of industry certification exams, including Network+, Linux+, LPI, MCP, Security+ and VCP in the areas of Cisco Networking, Microsoft, Security, and Technical Support. Students can take these exams at the South Central College Testing Center.

Program Admission Dates (Fall and/or Spring)

Spring

Program Location (North Mankato and/or Faribault)

North Mankato

Program Configurations

Fall Start

Credits

Technical Course	16
Elective	4

Total Credits	20
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Semester 1 - Fall, Year 1

Course #	Course Title	Credits	Function
COMP 2460	Linux Administration	4	Technical Course
COMP 2462	Microsoft Administration	4	Technical Course

Semester 2 - Spring, Year 1

Course #	Course Title	Credits	Function
COMP 2466	Routing & Switching	4	Technical Course
COMP 2475	Security Basics	4	Technical Course
COMP Option	Technical elective - see advisor	4	Elective

Program Course List

Number	Title	Credits	Pre/Corequisites
COMP 2300	Java	4	Successful completion of COMP1130 Programming Fundamentals (with a C grade or higher), or a working knowledge of another programming language. Note: Prerequisites ensure that you are at the correct learning level for the course. Please feel free to contact the instructor to help you determine your expertise level if you have not completed the prerequisite courses.
COMP 2312	Software Development	4	Successful completion of COMP 1130 Programming Fundamentals with a C or higher, or a working knowledge of at least one programming language.
COMP 2452	Information Storage and Management	4	COMP 1200 Hardware and Software Essentials
COMP 2453	Virtualization Technologies	4	COMP 1200 Hardware and Software Essentials
COMP 2456	Cloud Technologies and Services	4	COMP 1200 Hardware and Software Essentials
COMP 2460	Linux Administration	4	COMP 1200 COMP 1360
COMP 2462	Microsoft Administration	4	COMP 1360
COMP 2466	Routing & Switching	4	COMP 1360
COMP 2475	Security Basics	4	COMP 1360