

# Networking Specialist NS14

Type  
Diploma

The Computer Information Systems - Networking Specialist program is a sequence of courses designed to provide students with an understanding of the concepts, principles, and techniques required in computer information processing. Graduates are to be competent in the general areas of humanities or fine arts, social or behavioral sciences, and natural sciences or mathematics, as well as in the technical areas of computer terminology and concepts, program design and development, and computer networking. Program graduates are qualified for employment as networking specialists.

## Program Approval

The CIS program is a Certified CISCO Network Academy.  
The CIS program is a member of the Microsoft IT Academy.

\*Choose either the Microsoft or the Cisco Specialization

## Basic Skills Courses — 8.00 Hours

Item #	Name	Credits
<a href="#">ENGL 1010</a>	Fundamentals of English I	3
<a href="#">MATH 1012</a>	Foundations of Mathematics	3
<a href="#">EMPL 1000</a>	Interpersonal Relations & Professional Development	2

## Occupational Courses — 23.00 Hours

Item #	Name	Credits
<a href="#">COMP 1000</a>	Introduction to Computer Literacy	3
<a href="#">CIST 1001</a>	Computer Concepts	4
<a href="#">CIST 1122</a>	Hardware Installation & Maintenance	4
<a href="#">CIST 1601</a>	Information Security Fundamentals	3
	CIST Electives (9 credits)	9

## Introductory-Level Networking Class — 4.00 Hours

\* Choose one of the following

\* CIST 2451: Only if not used as a Cisco Specialization course

Item #	Name	Credits
<a href="#">CIST 1401</a>	Computer Networking Fundamentals	4
<a href="#">CIST 2451</a>	Introduction to Networks - CISCO	4

## Microsoft Specialization 8M42 — 16.00 Hours

Item #	Name	Credits
<a href="#">CIST 2411</a>	Microsoft Client	4

CIST 2412	Microsoft Server Installation & Maintenance	4
CIST 2413	Cloud and Data Foundations with MS Azure	4
	CIST 2414 or CIST 2420	4

## Cisco Exploration Specialization 8C12 — 16.00 Hours

Item #	Credits	
CIST 2451	Introduction to Networks - CISCO	4
CIST 2452	CISCO Switching, Routing, & Wiring Essentials	4
CIST 2453	Enterprise Networking, Security, and Automation	4
Guided Elective	4	

## Operating System Elective — 3.00-4 Hours

Choose one of the following:

Item #	Name	Credits
	CIST 1130 or CIST 1135	3-4
	Minimum Credit Hours for Graduation	54-55