

CIS - NSI3: Networking Specialist Degree (replaces CIN3: Networking Specialist in the Quarter System)

The Computer Information Systems – Networking Specialist associate degree 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.

NOTE: Program courses in Computer Information Systems require strong aptitudes for math, problem solving, critical thinking, listening, teamwork, and written direction.

Career Opportunities

Graduates may find employment in network installation and maintenance, networking administration, network operating systems support, and hardware repair/maintenance.

Credit Required for Graduation: Minimum of 67 credit hours

Curriculum

The requirements for general core curriculum of all associate degree programs are a minimum 15 credit hours using the curriculum structure outlined in the beginning of this degree program section. All course prerequisites must be met. Please see Associate Degree General Education Requirement Section for Area I, Area II, Area III, and Area IV requirements.

General Core Courses

_____ Area I requirements (minimum 3 hours must include ENGL 1101)

_____ Area II requirements (minimum 3 hours)

_____ Area III requirements (minimum 3 hours; must include MATH 1101 or MATH 1111)

_____ Area IV requirements (minimum 3 hours)

_____ Additional 3 hours from Area I, II, III, or IV

| Program Courses | | Credits |
|-----------------------------|---------------------------------------|----------------|
| <i>Occupational Courses</i> | | |
| _____ CIST 1001 | Computer Concepts | 4 |
| _____ CIST 1122 | Hardware Installation and Maintenance | 4 |
| _____ CIST 1130 | Operating Systems Concepts | 3 |
| _____ CIST 1401 | Computer Networking Fundamentals | 4 |
| _____ CIST 1305 | Program Design and Development | 3 |
| _____ CIST 1601 | Information Security Fundamentals | 3 |

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|-------|---|---|-----|
| | <i>(continued)</i> | | |
| _____ | CIST 2311 | Visual Basic I | 4 |
| | -or- | | |
| _____ | CIST 2371 | Java Programming I | (4) |
| _____ | COMP 1000 | Introduction to Computers | 3 |
| | <i>Occupational Electives (8 credits from the list below)</i> | | |
| _____ | CIST 1220 | Structured Query Language | 4 |
| _____ | CIST 1510 | Web Development I | 3 |
| _____ | CIST 2120 | Supporting Application Software | 4 |
| _____ | CIST 2431 | UNIX/LINUX Introduction | 4 |
| _____ | CIST 2921 | IT Analysis, Design, and Project Management | 4 |
| | -and- | | |
| | The following specialization | | |
| | <i>Specific Occupational Courses (Microsoft Specialization)</i> | | |
| _____ | CIST 2411 | Microsoft Client | 4 |
| _____ | CIST 2412 | Microsoft Server Directory Services | 4 |
| _____ | CIST 2413 | Microsoft Server Infrastructure | 4 |
| _____ | CIST 2414 | Microsoft Server Administrator | 4 |