

## CAREER STUDIES CERTIFICATE (221-732-12)

## Cisco™ CCNA™ Networking

**Purpose:** The program consists of study and practice designed to teach students the skills needed to design, build, and maintain small to medium-size networks. This provides them with the opportunity to master the material necessary to earn the Cisco Certified Network Associate (CCNA™) certification, enter the workforce, and/or further their education and training in the computer networking field.

The Cisco Networking Academy on campus combines instructor-led, online learning with hands-on laboratory exercises where students apply what they learn in class while working on actual networks. This curriculum is supported worldwide in 133 countries by Cisco and is only available to students enrolled in the program and is administered by Cisco certified instructors.

In addition to networking and other technology skills, the Academy program helps students improve math, science, writing, and problem-solving abilities. To ensure a well-rounded educational experience, learning objectives in the curriculum are tied to national math and science standards as well as to workforce competencies.

**Occupational Objectives:** Telecommunications technician, LAN/WAN technician/cable installer, technical representative/salesperson.

**Admission Requirements:** Applicants must meet the general admission requirements for admission to the college.

Developmental courses are required for students with deficiencies in English and mathematics.

Students who do not place above Algebra I (MTH 3) and into Algebra II (MTH 4) or higher on the placement test will be required to take developmental courses.

**Program Requirements:** Students lacking the necessary computer skills should take ITE 115 along with the regular first semester courses.

## CURRICULUM AND OTHER REQUIREMENTS

CISCO CCNA NETWORKING COURSES	CREDITS
TEL 150 ..... Cisco Internetworking I .....	4
TEL 151* ..... Cisco Internetworking II .....	4
TEL 250* ..... Cisco Internetworking III .....	4
TEL 251* ..... Cisco Internetworking IV .....	4
<b>Total Minimum Credits for Certificate .....</b>	<b>16</b>

*\* This course has a prerequisite. Prerequisites for all courses are listed in the course description section at the back of the catalog.*

## SUGGESTED SCHEDULE

FIRST YEAR	
<b>FALL</b>	<b>SPRING</b>
TEL 150	TEL 151

SECOND YEAR	
<b>FALL</b>	<b>SPRING</b>
TEL 250	TEL 251

OR

## SEQUENCE FOR ONE-YEAR COMPLETION

FIRST YEAR	
<b>FALL</b>	<b>SPRING</b>
TEL 150 (1st 8 wks)	TEL 250 (1st 8 wks)
TEL 151 (2nd 8 wks)	TEL 251 (2nd 8 wks)