Information Technology CP
CISCO Certified Network Associate – Concentration

Career & Technical Division

Program Description:
The Cisco Networking Academy at Mountwest Community & Technical College offers Cisco Certified Network Associate (CCNA) training that prepares individuals to install, configure, and operate LAN, WAN, and dial access services for enterprise organizations with networks from 100 to more than 500 nodes. Concepts laboratory exercises focus on IP, Ethernet based LANs, Frame Relay and Serial WANs, interior routing protocols such as RIP and IGRP and exterior protocols such as BGP. The Cisco Networking Academy Program is a comprehensive-learning program that provides students with the IT skills essential in a global economy. The Networking Academy delivers web-based content, online assessment, student performance tracking, hands-on labs, instructor support, and preparation for the CCNA industry-standard certifications.

Career Outlook:
Employment of network and computer systems administrators is projected to grow 5 percent from 2018 to 2028, about as fast as the average for all occupations. Demand for information technology (IT) workers is high and should continue to grow as firms invest in newer, faster technology and mobile networks.

Employment Opportunities:
•   Network administrator
•   Network engineer
•   Systems support technician
•   Network designer
•   Network security systems designer

Salary Forecast:
For the most current salary information please refer to the Bureau of Labor Statistics "Occupational Outlook Handbook" found at www.bls.gov/ooh/.

Career Description:
The CISCO Certified Network Associate (CCNA) credential validates the knowledge and skills an entry-level network technician needs to know. It is an associate-level CISCO Career certification. It is one of the most widely recognized technical certifications in the IT industry.

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Our mission is to prepare students for careers, civic responsibility and life-long learning.

Name:	ID Number 942-
Educational Counselor:	
Faculty Advisor:	

COURSE REQUIRED

COURSE	REQUIREMENTS	SEM	HRS	GR	SUBSTITUTE/REPEAT CRS	SEM	CR
ENL 111	Written Communication[2]		3				
IT 131	Introduction to Networking		4				
IT 141	Networking Systems II[3]		4				
IT 270	Computer Essentials & App[4]		4				
IT 225	Fundamentals of Wireless LANs[5]		4				
IT 231	Networking Systems III[6]		4				
IT 241	Networking Systems IV[7]		4				
	Math Elective[8]		3				

DEVELOPMENTAL COURSES REQUIRED

COURSE	REQUIREMENTS	SEM	HRS	GR	SUBSTITUTE/REPEAT CRS	SEM	CR
	Hours Required for Graduation: 30						

[1] Students are expected to have basic knowledge of computers including operating systems such as Windows 2007 or XP and Microsoft Office 2010 or XP before entering this program. The student must register for IT 101 during his or her first semester or successfully pass a challenge exam for IT 101.

[2] ENL 111 has a prerequisite of placement in 100-level English, and placement in 100-level reading.

[3] IT 141 has a prerequisite of IT 131.

[4] IT 270 has a prerequisite of IT 101 or 102.

[5] IT 225 has a prerequisite of IT 131, or IT 230.

[6] IT 231 has a prerequisite of IT 141.

[7] IT 241 has a prerequisite of IT 231.

[8] Choose from any 100-level or above mathematics course.