

PROGRAM OF STUDY

Computer Networking Associate in Science

The Computer Networking Program will prepare students for an entry-level position in an IT related industry with emphasis in either systems administration or network administration. The associate degree has two options: CCNA Network Administrator or MCSA Systems Administrator. It is designed for transfer to four-year colleges or universities. The program also offers the following Certificate of Specializations: Network Associate and Systems Associate. Classes are designed for first-time college students, re-entry students, and current industry employees requiring skill enhancement or upgrade training. Emphasis is placed on hands-on labs and case studies designed to apply principles and develop troubleshooting skills. Students can prepare for industry certifications from industries and organizations such as BICSI, Cisco, CompTIA, or Microsoft.

Student Learning Outcome:

Design, implement, troubleshoot and maintain networking systems.

Program Requirements:

		Units
CMPNET 131	Network Cabling Infrastructure	4 - 0
CMPNET 132	A+ Certification	4 - 0
CMPNET 133	Data Center	4 - 0

Plus four units from the following:

		Units
CMPSCI 111	Introduction to Algorithms & Programming/Java	3 - 0
CMPSCI 111L	Introduction to Algorithms and Programming Lab	1 - 0
ESYST 101	Basic Electronics	4 - 0

Plus fourteen units from the following:

		Units
CMPNET 151	CCNA Prep 1	7 - 0
	or	
CMPNET 154	CCNA R&S: Introduction To Networks	3.5 - 0
	and	
CMPNET 155	CCNA R&S: Routing & Switching Essentials	3.5 - 0
CMPNET 152	CCNA Prep 2	7 - 0
	or	
CMPNET 156	CCNA R&S: Scaling Networks	3.5 - 0
	and	
CMPNET 157	CCNA R&S: Connecting Networks	3.5 - 0
CMPNET 166	MCSA Prep 1	7 - 0
CMPNET 167	MCSA Prep 2	7 - 0

Recommended electives:

		Units
CMPSCI 122	Computer Architecture and Assembly Language	3 - 0
CMPSCI 182	Data Structures and Program Design	3 - 0
CWE 188	Cooperative Work Experience Education	1 - 4
MATH 140	Introductory Statistics	4 - 0
	or	
MATH 140H	Introductory Statistics - Honors	4 - 0

Total Units

30

PID 42