

Associate in Science Degree and Certificate of Achievement: Computer Networking

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.

Degree and Certificate Student Learning Outcome:

Students will be able to design, implement, troubleshoot and maintain networking systems.

Program Requirements:

Units Required: 27.5

		Units:
CMPNET-132	A+ Computer Repair	3.0
CMPNET-133	Data Center	4.0
CMPNET-171	Security + Certification	3.5
ESYST-101	Basic Electronics	3.0

Plus fourteen units from the following:

CMPNET-151	CCNA Prep 1	7.0
OR		
CMPNET-154	CCNA R&S: Introduction to Networks	3.5
AND		
CMPNET-155	CCNA R&S: Routing and Switching Essentials	3.5
CMPNET-152	CCNA Prep 2	7.0
OR		
CMPNET-156	CCNA R&S: Scaling Networks	3.5
AND		
CMPNET-157	CCNA R&S: Connecting Networks	3.5
CMPNET-166	MCSA Prep 1	7.0
CMPNET-167	MCSA Prep 2	7.0

Recommended electives:

ESYST-111	Electromechanical Systems	4.0
ESYST-112	Industrial Robotics	4.0
ESYST-113	Industrial Controllers	4.0
CWE-188CPNT	Cooperative Work Experience Education Computer Networking (Unpaid)	1.0 - 4.0
CWE-188CPNT	Cooperative Work Experience Education Computer Networking (Paid)	1.0 - 4.0
MATH-140	Introductory Statistics	4.0
OR		
MATH-140H	Introductory Statistics - Honors	4.0