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## Networking Specialist Associate in Applied Science



**Business, Management, Marketing &  
Technology Career Pathway**

Networking involves the hardware, software and communication channels necessary to allow computers to talk to each other. Many organizations now use computer networks and need networking specialists to maintain their networks. Several other occupations may utilize networking skills, such as office assistants, accountants, or managers.

Students will study various components of computer hardware and networking. These courses prepare the student to take industry standard exams for both A+ and Network+ certifications. For specific information on these certifications, please talk to the instructors.

Students who pass the appropriate related certification exams can also achieve the premier certifications of CompTIA Security+, Microsoft™ Certified System Administrator (MCSA) and Certified Cisco Network Administrator (CCNA).

Minimum credits:	65
Minimum cumulative GPA:	2.0
Minimum grade in all courses:	2.0
Minimum JCC credits:	12
MACRAO agreement:	No

### GENERAL EDUCATION REQUIREMENTS — (17 credits)

#### ENGLISH – (3 credits)

ENG 131 Writing Experience	3
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#### MATHEMATICS - (3 credits)

MTH 131 Intermediate Algebra or higher	3
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#### SCIENCE – (4 credits) Choose one of the following:

BIO 131 General Biology	4
BIO 132 Human Biology	4
CEM 131 Fundamentals of Chemistry	4
CEM 141 General Chemistry I	5
GEL160 Introduction to Geology	4
NSC 131 Contemporary Science	4
PHY 131 Conceptual Physics	4
PHY 151 Astronomy	4

#### SOCIAL SCIENCE — (3 credits)

ECN 231 Macroeconomics	3
ECN 232 Microeconomics	3

#### HUMANITIES— (3 credits) Choose one of the following:

ART 111 Art History: Prehistoric to 1400	3
ART 112 Art History: Renaissance to Present	3
ENG 210 Introduction to Film	3
ENG 236 Women in a Changing Society	3
ENG 246 Short Story & Novel	3

ENG 247 Poetry and Drama	3
ENG 249 African American Literature	3
ENG 252 Shakespeare	3
ENG 254 Children’s Literature	3
ENG 255 American Literature - 19th Century	3
ENG 256 American Literature - 20th Century	3
ENG 257 World Literature I	3
HUM 131 Cultural Connections	3
MUS 130 Survey of Non-Western Music	3
MUS 131 Understanding Music	3
MUS 132 History of American Popular Music	3
MUS 133 Music Education	3
MUS 151 Music Theory I	4
MUS 152 Music Theory II	4
PHL 231 Introduction to Philosophy	3
PHL 232 Logic	3
THR 116 Introduction to Theatre	3

#### HEALTH / PHYSICAL FITNESS — (1 credit)

##### Choose one of the following:

HPF 160 Wellness	1
HPF 168 Weight Training & Conditioning	2
HPF 221 Jazz Techniques	3
HPF 277 Stress Management	2

#### RELATED REQUIREMENTS — (13 credits)

ACC 216 Financial Accounting Concepts	4
BUA100 Contemporary Business	3
CIS 101 Introduction to Computer Systems	3
ENG 232 Technical & Business Writing	3

#### NETWORKING SPECIALIST CORE REQUIREMENT – (35 credits)

CIS 174 PC Repair/A+ Hardware Component	3
CIS 175 PC Repair/A+ Software Component	3
CIS 176 A+ Certification Exam Preparation	1
CIS 177 Network+ Networking Fundamental Component	3
CIS 179 Network+ Certification Exam Preparation	1
CIS 281 Microsoft® Networking 1	3
CIS 282 Microsoft® Networking 2	3
CIS 283 Microsoft® Networking 3	3
CIS 284 Microsoft® Networking 4	3
CIS 285 Microsoft® Directory Services	3
CIS 286 Design A Secure Microsoft® Network	3
CIS 287 Interconnect Cisco Devices	3
CIS 289 Networking Security/Security+	3