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BUSINESS & INFORMATION TECHNOLOGY -- ASSOCIATE IN APPLIED SCIENCES DEGREE

NETWORK ADMINISTRATION CONCENTRATION

CAREER ADVANCEMENT PROGRAM GC CURRICULUM CODE: 221 / 2210

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**GER REQUIRED CREDITS:.....22**

English Composition	
ENG101 Comp I--Expos Writing .....	3
<i>-- Min. C grade required.</i>	
Arts and Humanities	
SPC101 Intro to Communication.....	3
GER Humanities Course <sup>6</sup> .....	3
Social and Behavioral Sciences	
GER Soc & Behavioral Sciences Course <sup>6</sup> .....	3
Science	
GER Science Lab Course <sup>6</sup> .....	4
Mathematics	
MAT105 College Algebra	
or MAT210 Introductory Statistics .....	3
Interdisciplinary/Emerging Issues	
CIS105 Intro to Computers	
or CIS130 Programming Logic .....	3

**IDENTITY & DIFFERENCE REQUIREMENT:**

Select an Identity & Difference Course from page **Error! Bookmark not defined.**. An I&D course used to fulfill another requirement may be reused here.

*-- Min. C grade required.*

**MAJOR COURSES: .....29**

CIS160 Operating System.....	4
CIS161 PC Maintenance & Repair .....	4
CIS163 Intro to Cisco Networking .....	4
CIS164 Router Fundamentals .....	4
CIS220 Network Fundamentals (Net+) .....	4
CIS230 Security+ .....	3
CIS241 Managing Server .....	3
BUS294 Field Experience .....	3

**MAJOR ELECTIVES:.....9**

Select from the following list:

- CIS130 Programming Logic, 3 crs.
- and/or CIS170 Computer Sci Programming I, 4 crs.
- and/or CIS210 Computer Sci Programming II, 4 crs.
- and/or CIS221 Advanced Routing & Switching, 4 crs.
- and/or CIS222 WAN Technologies, 4 crs.
- and/or CIS231 Computer Forensics, 3 crs.
- and/or CIS232 Adv Network Security, 4 crs.
- and/or CIS233 Ethical Hacking, Countermeasure, 3 crs.
- and/or CIS234 Ethics in the Information Age, 3 crs.
- and/or CIS240 Linux+, 3 crs.

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**TOTAL CREDIT HOURS REQUIRED: ..... 60**

**RECOMMENDED SEQUENCE**

(F) Offered FALL semester only  
(S) Offered SPRING semester only

**FALL**

ENG101 Comp I--Expos Writing .....	3	
MAT105 or MAT210 .....	3	
CIS105 or CIS130 .....	3	
CIS160 Operating System .....	4	
CIS161 PC Maintenance & Repair .....	4	(F)
TOTAL .....	17	

**SPRING**

CIS230 Security+ .....	3	(S)
SPC101 Intro to Communication .....	3	
GER Humanities Course <sup>6</sup> .....	3	
GER Science Lab Course <sup>6</sup> .....	4	
TOTAL .....	13	

**FALL**

CIS163 Intro to Cisco Networking .....	4	(F)
CIS220 Network Fundamentals (Net+) .....	4	(F)
GER Social & Behavioral Science Course <sup>6</sup> .....	3	
Major Electives .....	3	
TOTAL .....	14	

**SPRING**

BUS294 Field Experience .....	3	
CIS164 Router Fundamentals .....	4	(S)
CIS241 Managing Server.....	3	(S)
Major Elective.....	6	
TOTAL .....	16	

<sup>6</sup> GER Courses must be on the Approved General Education Course list (see page Error! Bookmark not defined.).