CYBERSECURITY -- ASSOCIATE IN APPLIED SCIENCES DEGREE
NETWORK ADMINISTRATION CONCENTRATION
CAREER ADVANCEMENT PROGRAM   GC CURRICULUM CODE: 2251

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

English Composition
ENG101 Comp I--Expos Writing...................3
-- Min. C grade required.
Arts and Humanities
SPC101 Intro to Communication 3
GER Humanities Course ᴳ 3
Social and Behavioral Sciences
GER Soc & Behavioral Science Course ᴳ.......3
Science
GER Science Lab Course ᴳ 4
Mathematics
MAT105 College Algebra
   or MAT210 Introductory Statistics.............3
Interdisciplinary/Emerging Issues
CIS106 Intro to Cybersecurity.....................3

CORE COURSES: 18

CIS160 Operating System 4
CIS163 Intro to Cisco Networking..................4
CIS164 Router Fundamentals.........................4
CIS230 Security+..3
CIS294 Field Experience 3

CONCENTRATION COURSES: 11

CIS161 PC Maintenance & Repair 4
CIS220 Network Fundamentals (Net+)...........4
CIS241 Managing Server................................3

MAJOR ELECTIVES:...9
After consultation with advisor, select from the following:

CIS130 Programming Logic, 3 crs.
CIS170 Computer Science Programming I, 4 crs.
CIS210 Computer Science Programming II, 4 crs.
CIS221 Advanced Routing & Switching, 4 crs.
CIS222 WAN Technologies, 4 crs.
CIS231 Computer Forensics, 3 crs.
CIS232 Advanced Network Security, 4 crs.
CIS233 Ethical Hacking, Countermeasure, 3 crs.
CIS234 Ethics in the Information Age, 3 crs.
CIS235 Introduction to Cyber Law, 3 crs.
CIS240 Linux+, 3 crs.

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	
CIS106 Intro to Cybersecurity 3	(F)
CIS160 Operating System 4	(F)
CIS161 PC Maintenance & Repair 4	(F)
TOTAL...17	

SPRING
CIS230 Security+...3	(S)
SPC101 Intro to Communication...................3	
GER Humanities Course ᴳ 3	
GER Science Lab Course ᴳ........................... 4	
TOTAL...13	

FALL
CIS163 Intro to Cisco Networking 4	(F)
CIS220 Network Fundamentals (Net+)...........4	(F)
GER Social & Behavioral Science Courseᴳ 3	
Major Electives.. 3	
TOTAL 14	

SPRING
CIS164 Router Fundamentals........................4	(S)
CIS241 Managing Server 3	(S)
CIS294 Field Experience 3	
Major Elective 6	
TOTAL...16	

ᴳ **GER Courses must be on the Approved General Education Course list (see page 38).**