

CYBERSECURITY -- ASSOCIATE IN APPLIED SCIENCES DEGREE

CAREER ADVANCEMENT PROGRAM GC CURRICULUM CODE: 2250

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 ⁶	3
Social and Behavioral Sciences	
GER Soc & Behavioral Science Course ⁶	3
Science	
GER Science Lab Course ⁶	4
Mathematics	
MAT105 College Algebra	
or MAT210 Introductory Statistics	3
Interdisciplinary/Emerging Issues	
CIS106 Intro to Cybersecurity	3

CORE COURSES:31

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

CYBERSECURITY COURSES:.....31

CIS231 Computer Forensics	3
CIS232 Advanced Network Security.....	4
CIS233 Ethical Hacking, Countermeasure.....	3
CIS235 Introduction to Cyber Law	3

MAJOR ELECTIVES:.....7

After consultation with advisor, select from the following:

- CIS130 Programming Logic, 3 crs.
- CIS170 Computer Programming I, 4 crs.
- CIS210 Computer Sci Programming II, 4 crs.
- CIS220 Network Fund. (Net+), 4 crs.
- CIS221 Advanced Routing & Switching, 4 crs.
- CIS222 WAN Technologies, 4 crs.
- CIS234 Ethics in the Information Age, 3 crs.
- CIS240 Linux+, 3 crs.
- CIS241 Managing Server, 3 crs.

TOTAL CREDIT HOURS REQUIRED: 60

RECOMMENDED SEQUENCE

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

FALL

ENG101 Comp I--Expos Writ.....	3	
MAT105 or MAT210	3	
CIS106 Intro to Cybersecurity.....	3	(F)
CIS160 Operating Systems.....	4	
CIS163 Intro to Cisco Networking.....	4	(F)
TOTAL	17	

SPRING

CIS164 Router Fundamentals	4	(S)
CIS230 Security+	3	(S)
GER Science Lab Course ⁶	4	
SPC101 Intro to Communication	3	
TOTAL	14	

FALL

CIS232 Advanced Network Security	4	(F)
GER Arts and Humanities Course ⁶	3	
GER Social and Behavioral Science ⁶	3	
Major Elective.....	4	
TOTAL	14	

SPRING

CIS231 Computer Forensics.....	3	(S)
CIS233 Ethical Hacking, Countermeasure.....	3	(S)
CIS235 Intro to Cyber Law	3	(S)
CIS294 Field Experience.....	3	
Major Elective.....	3	
TOTAL	15	

⁶ GER Courses must be on the Approved General Education Course list (see page 38).