

CYBERSECURITY -- ASSOCIATE IN APPLIED SCIENCES DEGREE

CAREER ADVANCEMENT PROGRAM GC CURRICULUM CODE: 225 / 2250

GER REQUIRED CREDITS:.....22

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|--|---|
| 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 |

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:31

| | |
|--|---|
| CIS160 Operating System..... | 4 |
| CIS163 Intro to Cisco Networking | 4 |
| CIS164 Router Fundamentals | 4 |
| CIS230 Security+ | 3 |
| CIS231 Computer Forensics | 3 |
| CIS232 Advanced Network Security..... | 4 |
| CIS233 Ethical Hacking, Countermeasure | 3 |
| CIS235 Introduction to Cyber Law | 3 |
| BUS294 Field Experience | 3 |

MAJOR ELECTIVES:.....7

Choose courses after consultation with advisor.

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

| | | |
|---|----|-----|
| BUS294 Field Experience | 3 | |
| CIS231 Computer Forensics..... | 3 | (S) |
| CIS233 Ethical Hacking, Countermeasure..... | 3 | (S) |
| CIS235 Intro to Cyber Law | 3 | (S) |
| Major Elective..... | 3 | |
| TOTAL | 15 | |

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