

Background

- o 2 vs. 4 year institutions
- o CAE2Y Designations
- o Addressing a national issue

***Students
First.***

Applying the Standards

INFORMATION ASSURANCE AND CYBERSECURITY ASSOCIATE OF APPLIED SCIENCE DEGREE

CENTER FOR APPLIED LEARNING TECHNOLOGY
ROOM 234, 410-777-2442
WWW.AACC.EDU/COMPUTERTECH

Award: Associate of Applied Science degree
(code AAS.CIS.ASSUR-CYBR)

Total Credit Hours: A minimum of 63 credit hours

Purpose: Prepares students for entry-level positions in information assurance. The program emphasizes information assurance concepts augmented with standard techniques. Topics cover threats and defense at the technical (hardware and software), operational, response, and management aspects. The program of study fully maps to National Security Agency System Security Instruction (NSTISSI) 4001, which provides the foundation for students to obtain recognized certifications: Network+, Security+ (Network Associate), SCNS (Security Certified Network Specialist), SCNP (Security Certified Network Professional), CCNA (Cisco Certified Network Associate), CCNA Security (Cisco Certified Network Associate - Security), CCNA Security Specialist (Cisco Certified Network Associate - Security Specialist), CCNA Security Expert (Cisco Certified Network Associate - Security Expert), CCNA Security Professional (Cisco Certified Network Associate - Security Professional), CCNA Security Specialist (Cisco Certified Network Associate - Security Specialist), CCNA Security Expert (Cisco Certified Network Associate - Security Expert), CCNA Security Professional (Cisco Certified Network Associate - Security Professional). If the student selects EET 100, the student will also be prepared to sit for the ASEP (Associate Security Expert) exam. Students selecting this program of study will meet with the assistant director of cyber

| | CREDITS |
|---|------------|
| ENGLISH | 3-6 |
| ENG 111 and ENG 112 Composition and Introduction to Literature 1, 2 OR ENG 115 and ENG 116 Composition and Introduction to Literature for Non-native Speakers 1, 2 OR ENG 121 Composition and Literature <i>Successful completion of ENG 121 fully satisfies the college English composition general education requirements.</i> | |
| ARTS and HUMANITIES | |
| <i>Satisfied by program requirements (CSI 100)</i> | |
| BIOLOGICAL and PHYSICAL SCIENCES | |
| COMPUTER TECHNOLOGY | |
| CSI 113 Theories and Applications of Computing | |
| HEALTH/FITNESS/ WELLNESS | |
| MATHEMATICS | |
| MAT 131 College Algebra <i>Or more advanced level if qualified.</i> | |
| SOCIAL and BEHAVIORAL SCIENCES | |
| PROGRAM REQUIREMENTS | |
| CSI 130 Microcomputer Operating Systems | |
| CSI 157 Networking 1 | |
| CSI 158 Networking 2 | |
| CSI 165 Network Security Fundamentals | |
| CSI 194* Ethics and the Information Security Profession | |
| CSI 217 Tactical Perimeter Defense | |
| CSI 219 Strategic Infrastructure Security | .4 |
| CSI 257 Networking 3 | .4 |
| CSI 258 Networking 4 | .4 |
| CSI 265 Windows Server | .4 |
| CSI 270 Information Security Capstone | .3 |
| Electives (technical) | .3 |
| <i>Choose the technical electives from the following list: CSI 132, CSI 135, CSI 205, CSI 207, CSI 213, CSI 214, CSI 262, CSI 266, CSI 269, or EET 160.</i> | |

RANGE OF OCCUPATIONS

- Security specialist
- Information assurance security specialist
- Information systems security specialist
- Applications security specialist
- Operating system security specialist

Graduates in this field will find positions available in industry, education and government. Occupations can be explored further through the virtual Careers Center at www.aacc.edu/careers.

Industry Impact

- Uniformity
- Improved Employer to Employee Matching



Recommendations

- Input needed – Academia & Industry

