Networking-Emphasis in Security - CERT B

Degree Pathway

A Certificate is outlined coursework that is designed to prepare a student to head out into the workforce in a short timeframe or for career advancement. This certificate totals 35 credit hours. Consult with an advisor for more information.

(⊤▷) are Systemwide Transfer Courses

Required Courses			
Course ID	**Course Title**	**Credit Hours**	**Notes**
IS100	Cybersecurity Application	3.00	Fall, Spring
IS148	CompTIA A+ Core 1	3.00	Fall, Spring
IS149	CompTIA A+ Core 2	3.00	Fall, Spring Prereq: IS148 CompTIA A+ Core 1 with grade of C or better.
IS182	Cisco CCNA I/Networking I	3.00	Fall, Spring
IS183	Cisco CCNA II	3.00	Spring Prereq: IS182 Cisco CCNA I/Networking I.
IS224	Networking II	3.00	Fall, Spring Prereq: IS182 Cisco CCNA I/Networking I.
Electives			
Course ID	**Course Title**	**Credit Hours**	**Notes**
Security Emphasis Electives		**11.00**	
CS111	Visual Basic Programming	3.00	Fall, Spring
CS200	Problem Solving and Programming	4.00	Fall, Spring Prereq: MA106 College Algebra, or Departmental Consent, and CS111 Visual Basic Programming.
CS200H	Honors Problem Solving and Programming	4.00	Prereq: MA106 College Algebra, or Departmental Consent, and CS111 Visual Basic Programming.
IS104	Microcomputer Applications ⊤▷	3.00	Fall, Spring, Summer
IS137	Website Ethics and Security	3.00	Fall, Spring
IS183	Cisco CCNA II	3.00	Spring Prereq: IS182 Cisco CCNA I/Networking I.
IS184	Cisco CCNA III	3.00	Prereq: IS183 Cisco CCNA II.
IS240	Fundamentals of Network Security	3.00	Fall, Spring Prereq: IS182 Cisco CCNA I/Networking I & IS224 Networking II, or Departmental Consent, and IS184 Cisco CNA III, or IS183 Cisco CCNA II.
Security Foundation Electives		**6.00**	
IS280	Computer Forensics	3.00	Spring Prereq: IS148 CompTIA A+ Core 1 with grade of C or better, and Departmental Consent, and IS212 Networking I.
IS281	Control Systems Security	3.00	Spring Prereq: IS182 Cisco CCNA I/Networking I, and Departmental Consent, and IS212 Networking I.
IS282	Secure Coding	3.00	Fall Prereq: CS200 Problem Solving and Programming, and Departmental Consent.

Total Credits: **35.00**