www.hutchcc.edu/request-info

Networking-Emphasis in Security

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

(★) are recommended for this degree pathway.

Required Courses			
Course ID	**Course Title**	**Credit Hours**	**Notes**
IS100	Cybersecurity Application	3.00	Fall 2026, Spring 2027, Summer 2027
IS148	CompTIA A+ Core 1	3.00	Fall 2026, Spring 2027
IS149	CompTIA A+ Core 2	3.00	Fall 2026, Spring 2027 Prereq: IS148 CompTIA A+ Core 1 with grade of C or better.
IS182	Cisco CCNA I/Networking I	3.00	Fall 2026, Spring 2027, Summer 2027
IS183	Cisco CCNA II	3.00	Spring 2027 Prereq: IS182 Cisco CCNA I/Networking I.
IS224	Networking II	3.00	Fall 2026, Spring 2027 Prereq: IS182 Cisco CCNA I/Networking I.
Electives			
Course ID	**Course Title**	**Credit Hours**	**Notes**
Security Emphasis Electives		**11.00**	
★ CS111	Introduction to Programming	3.00	Fall 2026, Spring 2027, Summer 2027
★ CS200	Problem Solving and Programming	4.00	Fall 2026, Spring 2027 Prereq: MA106 College Algebra, or Departmental Consent, and CS111 Intro to Programming.
CS200H	Honors Problem Solving and Programming	4.00	Prereq: MA106 College Algebra, or Departmental Consent, and CS111 Intro to Programming.
IS104	Microcomputer Applications	3.00	Fall 2026, Spring 2027, Summer 2027
IS137	Website Ethics and Security	3.00	Fall 2026, Spring 2027
IS183	Cisco CCNA II	3.00	Spring 2027 Prereq: IS182 Cisco CCNA I/Networking I.
IS184	Cisco CCNA III	3.00	Spring 2027 Prereq: IS183 Cisco CCNA II.
IS240	Fundamentals of Network Security	3.00	Fall 2026, Spring 2027 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 2027 Prereq: IS148 CompTIA A+ Core 1 with grade of C or better, and Departmental Consent, and IS182 Cisco CCNA I/Networking I.
IS281	Control Systems Security	3.00	Spring 2027 Prereq: IS182 Cisco CCNA I/Networking I, and Departmental Consent.
IS282	Secure Coding	3.00	Fall 2026 Prereq: CS200 Problem Solving and Programming, and Departmental Consent.

Total Credits: 35.00