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Networking - CERT A

Semester-by-Semester 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 28 credit hours. Consult with an advisor for more information. Not all courses are offered each semester.

(T) are Systemwide Transfer Courses

(★) are recommended for this degree pathway.

Semester 1 - Fall				
Complete	Course ID	Course Title	Credit Hours	Notes
Required Courses				
	IS100	Cybersecurity Application	3.00	Summer 2026, Fall 2026, Spring 2027
	IS148	CompTIA A+ Core 1	3.00	Fall 2026, Spring 2027
	IS182	Cisco CCNA I/Networking I	3.00	Summer 2026, Fall 2026, Spring 2027
Electives				
	Networking Concentration Block		4.00	
Semester Total:			13.00	

Semester 2 - Spring				
Complete	Course ID	Course Title	Credit Hours	Notes
Required Courses				
	IS149	CompTIA A+ Core 2	3.00	Fall 2026, Spring 2027 Prereq: IS148 CompTIA A+ Core 1 with grade of C or better.
	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				
	Networking Concentration Block		6.00	
Semester Total:			15.00	

Total Credits: 28.00

*Semester offerings reflect the current academic year.

Networking Concentration Block

Course ID	Course Title	Credit Hours	Notes
BU120	Job Search/Retention	1.00	Summer 2026, Fall 2026, Spring 2027
CS111	Introduction to Programming ▶	3.00	Summer 2026, Fall 2026, Spring 2027
CS203	Discrete Structures ▶	3.00	Fall 2026, Spring 2027 Prereq: MA106 College Algebra with a grade of C or higher.
IS104	Microcomputer Applications ▶	3.00	Summer 2026, Fall 2026, Spring 2027
IS137	Website Ethics and Security	3.00	Fall 2026, Spring 2027
IS184	Cisco CCNA III	3.00	Prereq: IS183 Cisco CCNA II.
IS235	Elements of Linux	3.00	Fall 2026, Spring 2027
IS237	Server Operating Systems and Virtualization	3.00	Fall 2026, Spring 2027 Prereq: IS235 Elements of Linux, or Departmental Consent, and IS182 Cisco CCNA I/Networking I.
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.