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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	Spring 2026, Summer 2026, Fall 2026
	IS148	CompTIA A+ Core 1	3.00	Spring 2026, Fall 2026
	IS182	Cisco CCNA I/Networking I	3.00	Spring 2026, Summer 2026, Fall 2026
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	Spring 2026, Fall 2026 Prereq: IS148 CompTIA A+ Core 1 with grade of C or better.
	IS183	Cisco CCNA II	3.00	Spring 2026 Prereq: IS182 Cisco CCNA I/Networking I.
	IS224	Networking II	3.00	Spring 2026, Fall 2026 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	Spring 2026, Summer 2026, Fall 2026
CS111	Introduction to Programming ▶	3.00	Spring 2026, Summer 2026, Fall 2026
CS203	Discrete Structures ▶	3.00	Spring 2026, Fall 2026 Prereq: MA106 College Algebra with a grade of C or higher.
IS104	Microcomputer Applications ▶	3.00	Spring 2026, Summer 2026, Fall 2026
IS137	Website Ethics and Security	3.00	Spring 2026, Fall 2026
IS184	Cisco CCNA III	3.00	Prereq: IS183 Cisco CCNA II.
IS235	Elements of Linux	3.00	Spring 2026, Fall 2026
IS237	Server Operating Systems and Virtualization	3.00	Spring 2026, Fall 2026 Prereq: IS235 Elements of Linux, or Departmental Consent, and IS182 Cisco CCNA I/Networking I.
IS240	Fundamentals of Network Security	3.00	Spring 2026, Fall 2026 Prereq: IS182 Cisco CCNA I/Networking I & IS224 Networking II, or Departmental Consent, and IS184 Cisco CNA III, or IS183 Cisco CCNA II.