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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.

( ) 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	Fall 2026, Spring 2027, Summer 2027
	IS148	CompTIA A+ Core 1	3.00	Fall 2026, Spring 2027
	IS182	Cisco CCNA I/Networking I	3.00	Fall 2026, Spring 2027, Summer 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	Fall 2026, Spring 2027, Summer 2027
CS111	Introduction to Programming	3.00	Fall 2026, Spring 2027, Summer 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	Fall 2026, Spring 2027, Summer 2027
IS137	Website Ethics and Security	3.00	Fall 2026, Spring 2027
IS184	Cisco CCNA III	3.00	Spring 2027 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.