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.

(ᴛⷬ) 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, Spring, Summer
	IS148	CompTIA A+ Core 1	3.00	Fall, Spring
	IS182	Cisco CCNA I/Networking I	3.00	Fall, Spring, Summer
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, Spring Prereq: IS148 CompTIA A+ Core 1 with grade of C or better.
	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				
		Networking Concentration Block	6.00	
		Semester Total:	**15.00**	

Total Credits: 28.00

*Semester offerings reflect the current academic year.

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