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## Computer Support Specialist - 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 29 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
<b>Required Courses</b>				
	IS104	Microcomputer Applications T	3.00	Spring 2026, Summer 2026, Fall 2026
	IS135	Essentials of Web Interaction	2.00	Spring 2026, Summer 2026, Fall 2026
	IS148	CompTIA A+ Core 1	3.00	Spring 2026, Fall 2026
<b>Electives</b>				
	<b>Computer Support Specialist Technical Electives</b>		3.00	
	<b>IS182 Cisco CCNA I or IS212 Networking I</b>		3.00	
<b>Semester Total:</b>			<b>14.00</b>	

Semester 2 - Spring				
Complete	Course ID	Course Title	Credit Hours	Notes
<b>Required Courses</b>				
	CS111	Introduction to Programming T	3.00	Spring 2026, Summer 2026, Fall 2026
	IS100	Cybersecurity Application	3.00	Spring 2026, Summer 2026, Fall 2026
	IS149	CompTIA A+ Core 2	3.00	Spring 2026, Fall 2026 Prereq: IS148 CompTIA A+ Core 1 with grade of C or better.
	IS224	Networking II	3.00	Spring 2026, Fall 2026 Prereq: IS182 Cisco CCNA I/Networking I.
<b>Electives</b>				
	<b>Computer Support Specialist Technical Electives</b>		3.00	
<b>Semester Total:</b>			<b>15.00</b>	

**Total Credits: 29.00**

\*Semester offerings reflect the current academic year.

**Computer Support Specialist Technical Electives**

<b>Course ID</b>	<b>Course Title</b>	<b>Credit Hours</b>	<b>Notes</b>
AR134	Introduction to Digital Imagery--Photoshop	3.00	
AR135	Advanced Digital Imagery--Photoshop	3.00	Prereq: AR134 Introduction to Digital Imagery, or JP118 Introduction to Digital Imagery.
BU120	Job Search/Retention	1.00	Spring 2026, Summer 2026, Fall 2026
CS106	Computer Engineering ▶	4.00	Spring 2026, Fall 2026
CS121L	Programming Language Lab	1.00	Spring 2026, Fall 2026 Prereq: CS111 Intro to Programming, or CS200 Problem Solving and Programming.
CS200	Problem Solving and Programming ▶	4.00	Spring 2026, Fall 2026 Prereq: MA106 College Algebra, or Departmental Consent, and CS111 Intro to Programming.
CS203	Discrete Structures ▶	3.00	Spring 2026, Fall 2026 Prereq: MA106 College Algebra with a grade of C or higher.
IS105	Advanced Microcomputer Applications	3.00	Fall 2026 Prereq: IS104 Microcomputer Applications.
IS113	Desktop Publishing	3.00	Spring 2026
IS120	Vector Graphics	3.00	Fall 2026
IS137	Website Ethics and Security	3.00	Spring 2026, Fall 2026
IS225	Website Coding	2.00	Spring 2026, Fall 2026 Prereq: IS135 Essentials of Web Interaction, or Departmental Consent.
IS228	Database Structures	3.00	Spring 2026, Fall 2026
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.
IS250	Project Management	3.00	Spring 2026
IS264	JavaScript	3.00	Spring 2026, Fall 2026 Prereq: IS225 Website Coding.
JP118	Introduction to Digital Imagery--Photoshop	3.00	Spring 2026, Fall 2026
JP119	Advanced Digital Imagery--Photoshop	3.00	Spring 2026 Prereq: AR134 Introduction to Digital Imagery, or JP118 Introduction to Digital Imagery.
PS101	Human Relations	3.00	Spring 2026, Summer 2026, Fall 2026
TR120	Work Ethics	2.00	Spring 2026, Fall 2026

**IS182 Cisco CCNA I or IS212 Networking I**

<b>Course ID</b>	<b>Course Title</b>	<b>Credit Hours</b>	<b>Notes</b>
IS182	Cisco CCNA I/Networking I	3.00	Spring 2026, Summer 2026, Fall 2026