

Do you like technology? Do you enjoy working with computer hardware, software, multimedia, or network systems?



Information Technology  
CTE Cluster

Our Career and Technical Education (CTE) Pathways in the Information Technology CTE Cluster lead to a credential for employment (certificate, diploma, or degree).

Prepare for a career related to the design, development, support, and management of hardware, software, internet, multimedia, and systems integration services. Check out available CTE Pathways. →

## CAREER AND TECHNICAL EDUCATION PATHWAYS FOR HIGH SCHOOL POPULATIONS

Upon completion of a CTE Pathway, students will have earned substantial credit toward an Associate in Applied Science (AAS) degree, and may take courses in the degree during the remainder of their high school experience. All courses in a CTE Pathway are college-credit, but not all courses are transferable.

To assist students who plan to go on to a four-year university, the courses that transfer under the Comprehensive Articulation Agreement between the N.C. Community College System and the University of North Carolina system are marked with **(T)**. High school students who achieve a grade of B or higher and achieve a score of 93 or higher on the standardized Career and Technical Education (CTE) post-assessment test, for certain high school CTE classes, can be provided college credit for CTE pathway courses marked with **(HS)**. To receive articulated credit, the current high school student must be enrolled in a Career and College Promise CTE pathway that contains the articulated course. High school graduates can receive course credit by requesting the articulated course credit within two years of their high school graduation date. Students are encouraged to consult with their academic advisor while at South Piedmont Community College.

### NEXT STEPS:

Contact your high school guidance counselor or Career Development Coordinator. They can provide information about eligibility and coordinate the high school and college class schedules. Students may enroll concurrently in two CTE pathways. Students may enroll concurrently in two CTE pathways. If you have questions about the CTE pathways listed here, please contact High School Programs at 704-290-5090 or [highschoolprograms@spcc.edu](mailto:highschoolprograms@spcc.edu).

Classes are offered at our college campuses in Monroe and Polkton and online. Some classes may be offered at your local high school. Classes are organized into pathways and align with the K-12 curriculum and Career and College Ready Standards adopted by the State Board of Education.

*The following CTE pathways are available to eligible high school freshmen, sophomores, juniors, and seniors.*

### ENHANCED DIGITAL MEDIA TECHNOLOGY CERTIFICATE (C25210PC)

Course	Credits	Prerequisites	Semester offered (SPCC Campus)
DME 110: Intro to Digital Media	3	None	Fall
DME 115: Graphic Design Tools	3	None	Fall
CTI 110: Web, Pgm, and DB Foundation	3	None	Fall
DME 120: Intro to Multimedia Applications	3	None	Spring
DME 140: Intro to Audio/Video Media	3	None	Spring
WEB 210: Web Design	3	None	Spring
<b>TOTAL CREDITS</b>	<b>18</b>		

### INFORMATION SYSTEMS CTE CERTIFICATE (C25590PA)

Course	Credits	Prerequisites	Semester offered (SPCC Campus)
CIS 110: Intro to Computers (T)	3	None	Fall/Spring/Summer
CTS 120: Hardware/Software Support (HS)	3	None	Spring
CTI 120: Network & Sec Foundation (HS)	3	None	Fall
CTI 115: Computer Systems Foundation (HS)	3	None	Fall
<b>TOTAL CREDITS</b>	<b>12</b>		

## CAREER AND TECHNICAL EDUCATION PATHWAYS FOR HIGH SCHOOL POPULATIONS

### SYSTEMS SECURITY CTE CERTIFICATE (C25590PD)

Course	Credits	Prerequisites	Semester offered (SPCC Campus)
CCT 110: Intro to Cybercrime	3	None	Fall
CET 150: Computer Forensics I	3	None	Fall
CTI 120 Network & Sec Foundation (HS)	3	None	Fall
CET 250: Computer Forensics II	3	None	Spring
<b>TOTAL CREDITS</b>	<b>12</b>		

### WEB ADMINISTRATION AND DESIGN CTE CERTIFICATE (C25590PF)

Course	Credits	Prerequisites	Semester offered (SPCC Campus)
CIS 110: Intro to Computers (T)	3	None	Fall/Spring/Summer
CTI 110: Web, Pgm, & DB Foundation	3	None	Fall
NOS 120: Linux/UNIX Single User	3	None	Spring
WEB 210: Web Design	3	None	Spring
<b>TOTAL CREDITS</b>	<b>12</b>		

### GAME AND SIMULATION PROGRAMMING CTE CERTIFICATE (C25590PH)

Course	Credits	Prerequisites	Semester offered (SPCC Campus)
CIS 110: Intro to Computers (T)	3	None	Fall/Spring/Summer
CSC 151: JAVA Programming (T)	3	None	Spring
CTI 110: Web, Pgm, & DB Foundation	3	None	Fall
SGD 111: Introduction to SGD	3	None	Fall
SGD 112: SGD Design	3	None	Spring
<b>TOTAL CREDITS</b>	<b>15</b>		

### PROGRAMMING FUNDAMENTALS CTE CERTIFICATE (C25590PI)

Course	Credits	Prerequisites	Semester offered (SPCC Campus)
CIS 115: Intro to Prog & Logic (T)	3	None	Fall/Spring
CSC 151: JAVA Programming (T)	3	None	Spring
CTI 110: Web, Pgm, & DB Foundation	3	None	Fall
CTI 115: Computer Systems Foundation (HS)	3	None	Fall
CSC 153: C# Programming	3	None	Spring
CSC 121: Python Programming	3	None	Spring
<b>TOTAL CREDITS</b>	<b>18</b>		

