

Do you want to design, build, and maintain structures where people live, work, and play?



**Architecture and
Construction
CTE Cluster**

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

Prepare for a career related to designing, planning, managing, building, and maintaining the built environment. 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. If you have questions about the CTE pathways listed here, please contact High School Programs at 704-290-5090 or 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.

INTRODUCTION TO HVAC-R CERTIFICATE (C35100PA)

Course	Credits	Prerequisites	Semester offered (SPCC Campus)
AHR 110: Intro to Refrigeration (HS)	5	None	Fall
AHR 111: HVACR Electricity (HS)	3	None	Spring
AHR 112: Heating Technology	4	None	Fall
AHR 113: Comfort Cooling	4	None	Fall
AHR 140: All Weather Systems	2	AHR 112 or AHR 113	Fall
TOTAL CREDITS	18		

(continued)

CAREER AND TECHNICAL EDUCATION PATHWAYS FOR HIGH SCHOOL POPULATIONS

ENHANCED ELECTRICAL PATHWAY CERTIFICATE (C35130PA)

Course	Credits	Prerequisites	Semester offered (SPCC Campus)
ELC 131: Circuit Analysis I	4	None	Fall
ELC 131A: Circuit Analysis I LAB	1	ELC 131 (co-req)	Fall
ELC 117: Motors and Controls	4	None	Spring
ELC 128: Intro to PLC	3	None	Spring
ELC 113: Residential Wiring	4	None	Spring
ELC 118: National Electric Code	2	None	Fall
TOTAL CREDITS	18		

