



Trade, Technology, Engineering, and Industrial Education

ARCHITECTURE AND CONSTRUCTION (ARCH)

Carpenter

Health Science Education provides a comprehensive program to meet present and projected needs for the healthcare industry. Curriculum concepts incorporate technological advances to motivate students and prepare them to pursue a career as a future health professional. Emphasis is placed on the various domains of healthcare and related skills such as: employability skills, prevention (wellness), diagnostics, therapeutics, and rehabilitation. Students are encouraged to pursue work-based learning opportunities that include job Shadowing, internships, and apprenticeships to support their areas of interest in healthcare.

Education Level	Grade	English	Math	Social Studies	Science	Health/PE and Other Electives	Elective	Elective	Elective	Enhancement Courses
Secondary	Courses listed in BOLD print are required for graduation.									
	9	English 1	Math 1 or Math 2	World History	Earth & Environmental Science	Health/PE	Communication Skills	Career Management	Any Elective	Enhancement Courses Microsoft Word and PowerPoint Microsoft Excel & Access Career Management Entrepreneurship 1 Principle of Business & Finance Personal Finance
	10	English 2	Math 2 or Math 3	Civics and Economics	Physical Science or Biology	Construction Core	World Language 1	World Language 2	CCP College Transfer Course Or Elective	
	11	English 3	Math 3 or Math 4	New American History	Biology, Physical Science, Chemistry or Physics	Carpentry 1	Microsoft Word and PowerPoint	CCP College Transfer Course Or Elective	CCP College Transfer Course Or Elective	Career and College Promise College Transfer Course Information Career and College Promise (CCP) College Transfer Courses are available to Caldwell County Schools' students. These courses allow high school students to earn high school and college credit at the same time. Some classes are taught at each high school and some are offered on the main campus of Caldwell Community College and Technical Institute in Hudson, NC. To be eligible to take these courses, students must: <ul style="list-style-type: none"> Be high school juniors or seniors; Have an unweighted cumulative grade point average of 2.8 or higher; or demonstrate college readiness in Reading, English and Mathematics on an approved assessment or placement test (see CCCTI website for details). Potential college savings available by taking CCP courses during high school: \$715 ***based on \$71.50/credit hour***
	12	English 4	CCP College Transfer Course Or Elective	New Financial Literacy Requirement	CCP College Transfer Course Or Elective	Carpentry 2	Carpentry 3	CCP College Transfer Course Or Elective	CCP College Transfer Course Or Elective	

POST-SECONDARY EDUCATION

CARPENTER: Community Colleges offer several different educational programs in this area including Associate Degree (2 year), Diploma, or Certificate.

<u>Sample Career Opportunities</u>	<u>High School</u>	<u>On the Job Training</u>	<u>Certificate</u>	<u>Associates Degree</u>	<u>Bachelor's Degree</u>	<u>Advanced College Degree</u>	<u>Average Annual Salary</u>	<u>Possible Majors for this Pathway</u>
Electrician	X	X	X	X			\$56,180—\$96,580	<ul style="list-style-type: none"> ● Electrician ● Carpenter ● HVAC Refrigeration Mechanics and Technicians ● Plumber, Pipefitter and Steamfitter ● Boilermaker ● Civil Engineer ● Civil Engineering Technician ● Industrial Designer ● Construction Manager ● Construction Equipment Operator ● Construction and Building Inspector
Carpenter	X	X	X	X			\$48,330—\$84,690	
HVAC Refrigeration Mechanics and Technicians	X	X	X	X			\$48,730—\$77,920	
Plumber, Pipefitter and Steamfitter	X	X	X	X			\$55,160—\$97,170	
Boilermaker	X	X	X	X			\$63,100—\$94,440	
Civil Engineer		X	X	X	X		\$87,060—\$144,560	
Civil Engineering Technician		X	X	X			\$53,410—\$80,650	
Industrial Designer		X	X	X	X		\$68,890—\$114,950	
Construction Manager		X	X	X	X		\$95,260—\$164,790	
Construction Equipment Operator	X	X	X	X			\$48,160—\$84,650	
Construction and Building Inspector	X	X	X	X			\$60,710—\$98,820	