

## CTE PATHWAY:

# Air Conditioning Heating & Refrigeration Technology- Basic HVAC-R (C35100HS)



### Career & College Promise (CCP)

CCP provides opportunities for eligible NC high school students to take **TUITION-FREE**, college courses for dual credit (some students may have to pay for textbooks and materials). Taking CCP courses accelerates completion of college certificates, diplomas, applied associate degrees that provide entry-level job skills, and associate degrees that lead to transfer within the UNC System of 4-year colleges and universities and many private institutions.

### General Admission Requirements

- College CCP Application
- High School Transcript
- Verification Form

### Basic HVACR Technology Pathway

#### Eligibility Requirements

- High School Junior or Senior
- Unweighted GPA of 2.8 or higher, **OR**, demonstrate college readiness in English, reading and math on approved assessments.
- If GPA is below 2.8, principles/designees can waive the GPA and provide rationale for waiver.



### About the HVACR Technology Pathway:

This pathway is a portion of the Air Conditioning Heating and Refrigeration Technology diploma/degree. The Basic HVAC certificate gives students the skills and knowledge to begin a career in the startup, preventive maintenance, service, repair and/or installation of residential and light commercial HVAC systems.

### Annual Median Salary for HVACR mechanics/installers (NC) \$48,000

NCCareers.org

### You will learn:

- Mechanical Refrigeration, Heating and Cooling Theory, Electricity, Controls and Safety

### Possible Job Titles:

- HVAC Technician, Mechanic, Installer

### Possible Employment Opportunities:

- HVAC Companies
- Construction Companies

### Basic HVAC Certificate

Sem	Title	Class	Lab	Credit
FA	AHR 110 Intro to Refrigeration	2	6	5
FA	AHR 111 HVACR Electricity	2	2	3
SP	AHR 112 Heating Technology	2	4	4
SP	AHR 113 Comfort Cooling	2	4	4
SP	AHR 160 Refrigerant Certification*	1	0	1
Total Semester Hours Credit for Certificate				17

\*After completion of Refrigerant Certification class, students are eligible to sit for the state certification exam.

For more information, contact: Trish Holsten, Secondary Partnerships Director

(252) 246-1250 • [pholsten@wilsoncc.edu](mailto:pholsten@wilsoncc.edu) • [www.wilsoncc.edu/ccp](http://www.wilsoncc.edu/ccp)

[wilsoncc.edu](http://wilsoncc.edu) | (252) 291-1195 | 902 Herring Avenue, P.O. Box 4305 Wilson, NC 27893

# CONNECTING HIGH SCHOOL, COLLEGE, AND CAREER



High School  
(electives)

CCP Dual Enrollment  
(college/HS concurrently)

After High School  
(post-graduation)

## High School

### COMPLETE GRAD REQ:

- English (4), Math (4), Social Studies, Science (3), PE/Health, electives

### POSSIBLE HS ELECTIVES:

- Agricultural Mechanics I, II
- CCP Electives

## WCC HVAC-R Pathway

### CCP JR and SR YEARS:

- AHR 110 Intro to Refrigeration
- AHR 113 Comfort Cooling
- ELC 111 Intro to Electricity **and** AHR 160 Refrigerant Certification
- AHR 112 Heating Technology

## WCC HVAC-R Diploma

### GENERAL ED:

- Math, Communications

### HVAC-R CLASSES:

- Diagrams and Schematics
- HVACR Electronics
- Heat Pump Technology
- Refrigeration Systems
- HVACR Building Codes
- Energy Management

### ADDITIONAL REQ CLASSES:

- HVAC Electives
- College Student Success

