

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.

Career Cluster: Trade and Industry

You will learn:

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

Annual NC Wage Range: HVACR

mechanics/installers \$37,750- \$75,470

NCCareers.org

Possible Job Titles:

- HVAC Technician, Mechanic, Installer

Possible Employment Opportunities:

- HVAC Companies
- Construction Companies

Basic HVAC Certificate

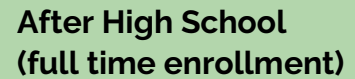
TRAD SEM	Title	Class	Lab	Credit
FA	AHR 110 Intro to Refrigeration	2	6	5
FA	AHR 111 HVACR Electricity	2	2	3
SP	AHR 112 Heating Technology	2	4	4
SP	AHR 113 Comfort Cooling	2	4	4
SP	AHR 160 Refrigerant Certification* (Coreq AHR 110, 111, 112, or 113)	1	0	1
Total Semester Hours Credit for Certificate			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

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The logo for Wilson Community College, featuring the text "WILSON COMMUNITY COLLEGE" in a serif font, with "WILSON" and "COMMUNITY" on the top line, "COLLEGE" on the bottom line, and a stylized graphic of three curved lines below the text.

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

- HVAC Electives
- College Student Success

