



YADKIN COUNTY SCHOOLS  
**HIGH SCHOOL-TO-COLLEGE PATHWAY**  
LEARN TODAY, LEAD TOMORROW



PATHWAY: AIR CONDITIONING, HEATING, & REFRIGERATION							ASSOCIATE OF APPLIED SCIENCE DEGREE
HIGH SCHOOL PLAN							
SECONDARY	GRADE	English	Math	Science	Social Studies	Required Courses or Recommended CTE Electives	Career and Technical Courses
	9	English I	Math I	Earth Science	World History	Health/PE	Microsoft Word/PPT
						Career Mgmt.	Electronics I
	10	English II	Math II	Biology	Civics & Economics	Electronics II	Elective
						Project Management	Microsoft/Excel
	11	English III	Math III	Physics	US History I	AHR 110 Intro to Refrigeration	ELC 125 Diagrams & Schematics
12	English IV	4 <sup>th</sup> Math Course	Elective	US History II	AHR 112 Heating Technology	AHR 160 Refrigerant Certification	
COMMUNITY COLLEGE PLAN							
Year 13							
Fall Semester	ACA 111 College Student Success	AHR 110 Intro to Refrigeration		AHR 113 Comfort Cooling	ELC 112 DC/AC Electricity		ELC 125 Diagrams & Schematics
Spring Semester	AHR 112 Heating Technology	AHR 114 Heat Pump Technology	AHR 160 Refrigerant Certification		AHR 213 HVACR Building Code	AHR 215 Comm. HVAC Controls	ENG 111 Writing & Inquiry
Summer Semester	AHR 133 HVAC Servicing				ELC 117 Motors & Controls		
Year 14							
Fall Semester	AHR 212 Adv. Comfort System	AHR 250 HVAC Syst. Diag. OR WBL	AHR 263 Energy Management	CIS 111 Basic PC Literacy		MAT 110 Math Measurement OR PHY 110	
Spring Semester	AHR 120 HVAC Maintenance	AHR 211 Resident System Design		ENG 114 Prof. Res. & Report	PSY 118 Interpersonal Psychology	Humanities/Fine Arts Elective	

**REQUIRED CREDIT HOURS FOR DEGREE: 68/69**

**HOURS REMAINING TO COMPLETE DEGREE: 49/50**

**RED ARTICULATED CREDIT: 7 HOURS**

**Yellow Recommended CTE: 12 HOURS**

**OCCUPATIONS:** HVAC Service Technician, HVAC Installer, HVAC Specialist, AC Tech, HVAC Mechanic.  
**AVERAGE SALARY:** \$43,880

Upon completion of the pathway, the students will be awarded a **Certificate in HVAC** from SCC.