



College: Southside Virginia Community College
School Divisions: Mecklenburg County

Career Cluster: Architecture and Construction
Career Pathway: Air Cond., Heating & Refrig. - Apprenticeship
Related Industry Certifications Available: Journeyman



	Grade	English	Math	Science	S.S.	Required Courses or Recommended Electives and/or CTE Courses			
SECONDARY Career Coaching,	9	English 9	Algebra I Part I and Part II	Earth Science I	World Geography	Health/PE 9	Keyboarding (6602)		
	10	English 10	Geometry	Biology I		Health/PE 10			
	11	English 11		Earth Science II Or Biology II	US History	<i>Principles of Technology I</i>	<i>Electronics Systems I</i>	<i>High Performance Manufacturing I</i>	
						AIR 121	ELE 113 (EEE Tech Elect.)	MAC 161 (EEE Tech Elect)	
						ITE 100	ETR 110 (EEE Tech Elect)	MAC 128	
	12	English 12*			VA/US Government*	<i>Principles of Technology II</i>	<i>Electronics Systems II</i>	<i>High Performance Manufacturing II</i>	
						AIR 122	ETR 149 (ELE 211)	MAC162 (EEE Tech Elect)	
						AIR 159 (MEC EEE)	IND 140 (BLD 105)	MAC 132	
						MTH 103 (MTH EEE)	ETR 167	MAC 150	
	College Placement Assessments (Reading, Writing, & Math)								
POSTSECONDARY Community College Career Placement	Year 1 1 st Sem					AIR 121 Air Conditioning and Refrigeration I			
						ITE 115 Intro to computer Applications and Concepts		EEE Technical Elective	
	Year 1 2 nd Sem					ELE 211 Electrical Machines I	AIR 122 Air Conditioning and Refrigeration II	AIR 134 Circuits and Controls I	EEE Technical Elective
						ELE 127 Residential Wiring Methods			

4-year Institution	Year 1 Summer								
	Year 2 1st Sem					AIR 154 Heating Systems I	AIR 123 Air Conditioning and Refrigeration III	AIR 135 Circuits and Controls II	AIR 181 Planning and Estimating I
	Year 2 2nd Sem					AIR 155 Heating Systems II	AIR 124 Air Conditioning and Refrigeration IV	AIR 136 Circuits and Controls III	AIR 200 Hydronics
	Year 2 Summer					ELE 134 Commercial Wiring			
	4-year Institution	University/College:				Key	Required Course		Certification Prep Course
	Degree or Major:					Dual Credit or Articulated course (HS to CC)		*Academic Dual Enrollment	
	Number of Articulated CC Credits:					Articulated course: CC to 4-yr		Recommended – not required	
								Date: July 2006	

Guidelines
DPOR Tradesman Certification available after two years employment in HVAC
Students who successfully complete the High Performance Technology Program will receive one science credit

This is an example only. Apprenticeship programs must be individualized for each participant.