



College: Southside Virginia Community College
 School Divisions: Brunswick 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 Part I & Part II	Earth Science		Keyboarding (6622) (ITE 115)		Health/PE 9	
	10	English 10	Geometry Part I and Part II	Biology Part I	World Geography			Health/PE 10	
	11	English 11		Chemistry Or Biology II	VA/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	
						DRF 135	DRF 127	MAC 131	
	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			
	Year 1 2 nd Sem						ITE 115 Intro to Computer Applications and Concepts		EEE Technical Elective
							ELE 211 Electrical Machines I	AIR 122 Air Conditioning and Refrigeration II	AIR 134 Circuits and Controls I

4-year Institution						ELE 127 Residential Wiring Methods				
	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 Recommended – not required		
	Number of Articulated CC Credits:						Articulated course: CC to 4-yr	Date: July 2006		

Guidelines
DPOR Journeyman Certification available after two years employment in HVAC

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