



College: Southside Virginia Community College
School Divisions: Mecklenburg County

Career Cluster: Architecture and Construction
Career Pathway: Air Conditioning Heating & Refrigeration - Diploma
Related Industry Certifications Available: NATE; ARI; HVAC Excellence; EPA Refrigerant; Ward Flex; MOS



		Grade	English	Math	Science	S.S.	Required Courses or Recommended Electives and/or CTE Courses				
SECONDARY <i>Career Coaching</i>	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 <i>Community College Career Placement</i>	Year 1 1 st Sem	ENG 137 Communication Processes I	MTH EEE Math Elective			SDV 100 College Success Skills	AIR 121 Air Conditioning and Refrigeration I	MEC EEE Approved MEC Elective	BLD 105 Shop Practices and Procedures		
										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					

	Year 1 Summer								
	Year 2 1st Sem				SSC 101 Contemporary Social Problems I	AIR 154 Heating Systems I	AIR 123 Air Conditioning and Refrigeration III	AIR 135 Circuits and Controls II	AIR 181 Planning and Estimating I
									EEE Technical Elective
	Year 2 2nd Sem				SSC 102 Contemporary Social Problems II	AIR 155 Heating Systems II	AIR 124 Air Conditioning and Refrigeration IV	AIR 136 Circuits and Controls III	AIR 200 Hydronics OR EEE Technical Elective
	Year 2 Summer					EEE Approved General Education Elective			
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		Date: July 2006

DE Courses	
DE English	College Composition I & II
DE Government	Social Science Elective

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