



College: Southside Virginia Community College
School Divisions: Lunenburg 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



	Grade	English	Math	Science	S.S.	Required Courses or Recommended Electives and/or CTE Courses				
SECONDARY <i>Career Coaching</i>	9	English 9	Algebra Part I & II	Earth Science					Health/PE 9	
	10	English 10	Geometry	Biology	World Geography				Health/PE 10	
	11	English 11	Algebra II (Recommended, not required)	Chemistry	U. S. History	<i>Principles of Technology I</i>	<i>Electronics Systems I</i>	<i>High Performance Manufacturing I</i>		
						AIR 1 21	ELE 113 (EEE Tech Elect.)	MAC 161 (EEE Tech Elect)		
						ITE 100	ETR 110 (EEE Tech Elect)	MAC 128		
	12	English 12 *	Calculus (Recommended, not required)		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	
						EEE Approved General Education Elective				
	Year 2 Summer									
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
Algebra and Calculus required for Advanced Diploma
DPOR Tradesman Certification after Journeyman period (2 yrs.)