



**College:** Southside Virginia Community College  
**School Divisions:** Lunenburg County

**Career Cluster:** Architecture and Construction  
**Career Pathway:** Electricity – Apprenticeship  
**Related Industry Certifications Available:** Journeyman



		Grade	English	Math	Science	S.S.	Required Courses or Recommended Electives and/or CTE Courses					
<b>SECONDARY</b> <i>Career Coaching</i>	9	English 9	Algebra Part I & Part II	Earth Science			Keyboarding (6602) (ITE 115)		Health/PE 9			
	10	English 10	Geometry	Chemistry OR Biology	World Geography				Health/PE 10			
	11	English 11	Algebra II (Recommended)	Chemistry	U. S. History	<i>Principles of Technology I</i> AIR 121 (EEE Tech Elect) ITE 100 DRF 135	<i>Electronics Systems I</i> ELE 113 (ELE 121) ETR 110 (EEE Tech Elect) DRF 127	<i>High Performance Manufacturing I</i> MAC 161 MAC 128 MAC 131				
	12	English 12 *	Calculus (Recommended)		Government *				<i>Principles of Technology II</i> AIR 122 (EEE Tech Elect) AIR 159 (AIR 135) MTH 103 (MTH _____)	<i>Electronics Systems II</i> ETR 149 (EEE Tech Elect) IND 140 ETR 167	<i>High Performance Manufacturing II</i> MAC162 MAC 132 MAC 150	
<b>College Placement Assessments (Reading, Writing, &amp; Math)</b>												
<b>POSTSECONDARY</b> <i>Community College Placement</i>	Year 1 1 <sup>st</sup> Sem		MTH General Education Math Elective				BLG 105 Shop Practices and Procedures OR Technical Elective	ELE 121 Electrical Circuits I				EEE Technical Elective
	Year 1 2 <sup>nd</sup> Sem						ITE 115 Introduction to computer Applications and Concepts	ELE 127 Residential Wiring Methods				
							AIR 134 Circuits and Controls I	ELE 131 National Electric Code I	ELE 122 Electrical Circuits II	ELE 134 Practical Electricity		

<b>4-year Institution</b>						ELE 211 Electrical Machines I			
	<b>Year 1 Summer</b>								
	<b>Year 2 1<sup>st</sup> Sem</b>					AIR 135 Circuits and Controls II	AIR 181 Planning and Estimating I <b>OR</b> EEE Technical Elective	ELE 132 National Electric Code II	EEE Technical Elective
									EEE Approved Technical Elective
	<b>Year 2 2<sup>nd</sup> Sem</b>								
	<b>Year 2 Summer</b>								
<b>4-year Institution</b>	University/College:				<b>Key</b>	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 specific fields

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