



College: Southside Virginia Community College
School Divisions: Mecklenburg 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				
SECONDARY <i>Career Coaching</i>	9	English 9	Algebra I Part I and Part II	Earth Science I	World Geography	Keyboarding 6602) (ITE 115)			Health/PE 9	
	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 (EEE Technical Elective)	ELE 113 (ELE 121)	MAC 161	
							ITE 100	ETR 110 (EEE Technical Elective)	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 EEE (Technical Elective)	ETR 149 (EEE Technical Elective)	MAC162	
AIR 159 (AIR 135)							IND 140	MAC 132		
MTH 103 (MTH)							ETR 167	MAC 150		
College Placement Assessments (Reading, Writing, & Math)										
POSTSECONDARY Community College <i>Career Placement</i>	Year 1 1st Sem		MTH General Education Math Elective				BLG 105 Shop Practices and Procedures OR Technical Elective	ELE 121 Electrical Circuits I	EEE Technical Elective	
						ITE 115 Introduction to Computer Applications and Concepts	ELE 127 Residential Wiring Methods			

4-year Institution	Year 1 2 nd Sem					AIR 134 Circuits and Controls I	ELE 131 National Electric Code I	ELE 122 Electrical Circuits II	ELE 134 Practical Electricity
						ELE 211 Electrical Machines I			
	Year 1 Summer								
	Year 2 1 st Sem					AIR 135 Circuits and Controls II	AIR 181 Planning and Estimating I OR EEE Technical Elective	ELE 132 National Electric Code II	EEE Technical Elective
									EEE Approved Technical Elective
	Year 2 2 nd Sem								
	Year 2 Summer								
	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 specific fields
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.