



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

**Career Cluster:** Manufacturing  
**Career Pathway:** Electronics Technology – A.A.S.  
**Related Industry Certifications Available:** CET; MOS



		Grade	English	Math	Science	S.S.	Required Courses or Recommended Electives and/or CTE Courses		
<b>SECONDARY</b> <i>Career Coaching</i>	<b>9</b>	English 9	Algebra Part I & Part II	Earth Science		Keyboarding			Health/PE 9
	<b>10</b>	English 10	Geometry Part I and Part II	Biology Part I	World Geography	Computer Information Systems (6612)			Health/PE 10
	<b>11</b>	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	MAC 161	
						ITE 100	ETR 110 (EEE __)	MAC 128	
	<b>12</b>	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 (EEE __)	MAC162	
						AIR 159	IND 140	MAC 132	
						MTH 103	ETR 167	MAC 150	
	<b>College Placement Assessments (Reading, Writing, &amp; Math)</b>								
<b>POSTSECONDARY</b> <i>Community College Career Placement</i>	<b>Year 1 1<sup>st</sup> Sem</b>	ENG137 Communication Processes I <b>OR</b> ENG 111 College Composition I	MTH 163 Pre-Calculus I			ETR 106 Basic Programming applied to Electrical/Electronic Calculations <b>OR</b> Equivalent	ETR 113 D.C. And A. C. Fundamentals I	HLT/PED	SDV 100 College Success Skills
	<b>Year 1 2<sup>nd</sup> Sem</b>	ENG138 Communication Processes II <b>OR</b> ENG 112 College Comp II <b>OR</b> SPD 110 Intro to Speech Communications	MTH 168 Pre-calculus II with Introductory Calculus OR MTH 270 Applied Calculus II OR EEE-- - Approved Tech Elective			ETR 143 Devices and Applications I	ETR 114 D.C. And A. C. Fundamentals II	HLT/PED	EEE __ Approved Technical Elective

	<b>Year 1 Summer</b>								
	<b>Year 2 1<sup>st</sup> Sem</b>			PHY 201 General College Physics <b>OR</b> EEE____ Approved Technical Elective	SSC 101 Contemporary Social Problems I	ETR 144 Devices and Applications II	ETR 241 Electronics Communications I	ETR 279 Digital Principles, Terminology and Applications	
	<b>Year 2 2<sup>nd</sup> Sem</b>				SSC 102 Contemporary Social Problems II	ETR 266 Microprocessor Applications	ETR 242 Electronic Communications II <b>OR</b> EEE____ Approved Technical Elective	ETR 298 Seminar and project <b>OR</b> EEE____ Approved Technical Elective	
					HUM EEE Humanities Elective				
	<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		Date: July 2006

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

Guidelines: