



**Mechatronics Engineering Technology**  
**Whiteville City Schools - Juniors**  
**High School to College Transition Pathway**  
**Associate Degree in Mechatronics Engineering Technology**



HIGH SCHOOL PLAN				Community College Associates Degree Mechatronics	
Students must complete 4 technical credits in their pathway in order to be a CTE concentrator. Three (3) technical credits MUST come from the Foundational Courses and at least one (1) must be at the completer level. The fourth (4) credit can be either a Foundational or Enhancement Course.					
9	10	11	12	Year 1	Year 2
English I	English II	English III	English IV	DFT 119 Basic CAD	ELC 128 Introduction to PLC
Math I	Math II	Math III	Math IV or CTE Math Equivalent	ATR 112 Introduction to Automation	ELC 213 Instrumentation
Earth/Environmental Science	Biology	Physical Science or Chemistry	Automotive Service III or Carpentry III	ELC 117 Motors and Controls	MEC 130 Mechanisms
World History	Civics and Economics	American History I	<b>ATR 115 Introduction to Mechatronics (CCP)</b>	ELN 133 Digital Electronics	ELC 125 Diagrams and Schematics
Healthful Living	Automotive Service I or Carpentry I	Automotive Service II or Carpentry II	<b>CIS 110 Introduction to Computers (CCP)</b>	ART 111 Art Appreciation	MEC 111 Machine Processes I
Introduction to Automotive Service or Core & Sustainable Construction	Microsoft Excel & Access	American History II	<b>ELC 131 Circuit Analysis (CCP)</b>	PSY 150 General Psychology	WBL 110 or 111 Work-Based Learning
MS Word/PPT/Publisher	Personal Finance	<b>ENG 111 Writing &amp; Inquiry (CCP)</b>	<b>HYD 110 Hydraulics/ Pneumatics I (CCP)</b>	COM 231 Public Speaking	
Career Management or Elective	World Language, Art Elective or other Elective	<b>MAT 171 Precalculus Algebra (CCP)</b>	<b>PHY 151 College Physics I (CCP)</b>		
		<b>ACA 115 Success &amp; Study Skills (CCP)</b>			
		<b>ISC 112 Industrial Safety (CCP)</b>			

Through the Career & College Promise (CCP) program, SCC offers seamless dual enrollment opportunities to qualifying high school juniors and seniors.