

HIGH SCHOOL-TO-COLLEGE PATHWAY

PATHWAY: ELECTRONICS ENGINEERING TECHNOLOGY						ASSOCIATE OF APPLIED SCIENCE DEGREE		
HIGH SCHOOL PLAN								
SECONDARY	GRADE	English	Math	Science	Social Studies	Required Courses or Recommended CTE Electives	Career and Technical Courses	
	9	English I	Math I	Earth Science	World History	*Health/PE		Microsoft Word/PPT
						*PLTW Intro to Engineering Design		
	10	English II	Math II	Biology	Civics & Economics	PLTW Principles of Engineering		Microsoft Excel
	11	English III	Math III	Physics	US History I	ELC 125 Diagrams & Schematics	ELC 131 Circuit Analysis I ELC 131A Circuit Analysis I Lab	
	12	English IV	4 th Math Course	Elective	US History II	ELN 131 Analog Electronics I	ELN 133 Digital Electronics	
Internship/Apprenticeship						ISC 112 Industrial Safety		
COMMUNITY COLLEGE PLAN								
Year 13								
POSTSECONDARY	Fall Semester	ACA 111 College Student Success	CIS 110 Intro to Computers	ELC 125 Diagrams & Schematics	ELC 131 Circuit Analysis I	ELC 131A Circuit Analysis I Lab	ENG 111 Writing & Inquiry OR ENG 110 Freshman Comp.	MAT 121 Algebra & Trigonometry I
	Spring Semester	ELN 131 Analog Electronics I	ELN 133 Digital Electronics	ENG 114 Prof. Research & Reporting OR ENG 115 Oral Communication		MAT 122 Algebra/Trigonometry II	PHY 131 Physics Mechanics	
	Summer Semester	ELC 117 Motors & Controls			ISC 112 Industrial Safety		Social Science Elective	
	Year 14							
Fall Semester	ELC 128 Introduction to PLC		ELN 132 Linear IC Applications		ELN 232 Intro to Microprocessors	ELN 275 Troubleshooting		
Spring Semester	ATR 280 Robotic Fundamentals	ELC 228 PLC Applications	ELN 152 Fabrication Techniques		ELN 246 Cert. Elect. Tech. Prep.	Humanities/Fine Arts Elective		

REQUIRED CREDIT HOURS FOR DEGREE: 72

HOURS REMAINING TO COMPLETE DEGREE: 55

RED ARTICULATED CREDIT: 0 HOURS

Yellow Recommended CTE: 17 HOURS

OCCUPATIONS: Digital Technician, Electronics Engineering Technician, Electronics Technician, Failure Analysis Technician, Refurbish Technician, Test Technician.

AVERAGE SALARY: \$58,540

Upon completion of the pathway, the students will be awarded an **Electronics Engineering Certificate** from SCC