

## HIGH SCHOOL-TO-COLLEGE PATHWAY

PATHWAY: <b>ELECTRONICS ENGINEERING TECHNOLOGY</b>						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/PP
						Technology Engineering & Design		
	10	English II	Math II	Biology	Civics & Economics	Technological Design		Microsoft Excel/Access
	11	English III	Math III	Physics	US History I	ELC 125 Diagrams & Schematics		ELC 131 Circuit Analysis I
	12	English IV	4 <sup>th</sup> Math Course	Elective	US History II	ELN 131 Analog Electronics I		ELC 131A Circuit Analysis I Lab
ELN 133 Digital Electronics								
POSTSECONDARY	COMMUNITY COLLEGE PLAN							
	Year 13							
	Fall Semester	ACA 111 College Student Success	CIS 111 Basic PC Literacy	ELC 125 Diagrams & Schematics	ELC 131 Circuit Analysis I	ELC 131A Circuit Analysis I Lab	ENG 111 Writing & Inquiry	MAT 121 Algebra & Trigonometry I
	Spring Semester	ELN 131 Analog Electronics I	ELN 133 Digital Electronics	ENG 114 Prof. Research & Reporting		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: 53**

**RED ARTICULATED CREDIT: 2 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 in 2014

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