



**HIGH SCHOOL-TO-COLLEGE PATHWAY**

PATHWAY: ELECTRICAL SYSTEMS TECHNOLOGY-PHOTOVOLTAIC TRACK								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				
						*Career Mgmt.				
	10	English II	Math II	Biology	Civics & Economics					
	11	English III	Math III	Physical Science	American History I	ELC 220 Photovoltaic Sys. Tech.	ALT 120 Renewable Energy Tech.	ISC 112 Industrial Safety		
12	English IV	4 <sup>th</sup> Math Course		American History II	ELC 118 National Electric Code	ELC 221 Adv. PVC Sys. Design	ELC 113 Residential Wiring			
COMMUNITY COLLEGE PLAN										
Year 13										
POSTSECONDARY	Fall Semester	ACA 111 College Student Success	ELC 112 DC/AC Electricity	ELC 113 Residential Wiring	ELC 125 Diagrams & Schematics	MAT 121 Algebra & Trigonometry I				
	Spring Semester	ALT 120 Renewable Energy Tech.	CIS 110 Introduction to Computers	ELC 118 National Electric Code	ENG 111 Writing & Inquiry	Social Science Elective				
	Summer Semester	ELC 115 Industrial Wiring or WBL		ELC 117 Motors & Controls		ISC 112 Industrial Safety				
	Year 14									
	Fall Semester	ELC 128 Introduction to PLC	ELC 220 Photovoltaic Sys. Tech.	ENG 114 Prof. Research & Reporting	Humanities/Fine Arts Elective	SST 110 Intro to Sustainability				
Spring Semester	AHR 211 Residential System Design	ELC 221 Adv. PVC Sys. Design	ELC 230 Wind & Hydro Power Sys.	SST 120 Energy Use Analysis	SST 130 Modeling Renewable Energy					

**REQUIRED CREDIT HOURS FOR DEGREE: 69**

**HOURS REMAINING TO COMPLETE DEGREE: 52**

**RED ARTICULATED CREDIT: 0 HOURS**

**Yellow Recommended CTE: 17 HOURS**

**OCCUPATIONS:** Installer, PV Design & Installation Technician, Solar Designer/Installer, Solar PV Installer, Solar Technician.

**AVERAGE SALARY:** \$39,600

Upon completion of the pathway, the students will be awarded a **Photovoltaic Track Certificate** from SCC.