



**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./Personal Finance/PLTW	
	10	English II	Math II	Biology	Civics & Economics		
	11	English III	Math III	Physical Science	American History I	ELC 220 Photovoltaic Sys. Tech.	ISC 112 Industrial Safety
						ALT 120 Renewable Energy Tech.	
12	English IV	4 <sup>th</sup> Math Course		American History II	ELC 118 National Electric Code	ELC 113 Residential Wiring	
					ELC 221 Adv. PVC Sys. Design	Internship/Apprenticeship	

**COMMUNITY COLLEGE PLAN**

POSTSECONDARY	Year 13					
	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**

**CLUSTERS:** Architecture & Construction; Manufacturing; Science, Technology, Engineering, & Math

**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.