

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	
	10	English II	Math II	Biology	Civics & Economics	Technology, Engineering & Design Personal Finance	
	11	English III	Math III	Physics	US History I	ELC 220 Photovoltaic Sys. Tech. ALT 120 Renewable Energy Tech.	ISC 112 Industrial Safety
	12	English IV	4 th Math Course	e-Commerce I	US History II	ELC 118 National Electric Code ELC 221 Adv. PVC Sys. Design	ELC 113 Residential Wiring
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

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.