

## 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	Microsoft Word & PowerPoint	
							Technology Engineering & Design	
	10	English II	Math II	Biology	Civics & Economics	Technological Design	Principles of Business & Finance	
							ISC 112 Industrial Safety	
	11	English III	Math III	Physics	US History I	ELC 220 Photovoltaic Sys. Tech.	ELC 113 Residential Wiring	
ALT 120 Renewable Energy Tech.								
12	English IV	4 <sup>th</sup> Math Course	Elective	US History II	ELC 118 National Electric Code			
					ELC 221 Adv. PVC Sys. Design			
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 in 2014

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