

## HIGH SCHOOL-TO-COLLEGE PATHWAY

PATHWAY: ELECTRICAL SYSTEMS TECHNOLOGY-ELECTRICAL 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		
						*PLTW Intro to Engineering Design		
	10	English II	Math II	Biology	Civics & Economics	PLTW Principles of Engineering	PLTW CIM or CEA	
	11	English III	Math III	Physical Science	American History I	PLTW Engineering Design & Development	ELC 112 DC/AC Electricity	
	12	English IV	4 <sup>th</sup> Math Course		American History II	ELC 125 Diagrams & Schematics	ELC 113 Residential Wiring	
ELC 114 Commercial Wiring						ISC 112 Industrial Safety		
		Internship/Apprenticeship						
COMMUNITY COLLEGE PLAN								
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	CIS 110 Introduction to Computers	ELC 114 Commercial Wiring	ELC 118 National Electric Code	ELC 121 Electrical Estimating	ENG 111 Writing & Inquiry OR ENG 110 Freshman Comp.	MNT 110 Intro to Maint. Procedures		
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 OR ENG 115 Oral Communication		Humanities/Fine Arts Elective	HYD 110 Hydraulic Pneumatics I	WLD 112 Basic Welding Processes	
Spring Semester	ELC 221 Adv. PVC Sys. Design		ELC 228 PLC Applications		Social Science Elective	SST 120 Energy Use Analysis		

**REQUIRED CREDIT HOURS FOR DEGREE: 73**

**HOURS REMAINING TO COMPLETE DEGREE: 54**

**RED ARTICULATED CREDIT: 2 HOURS**

**Yellow Recommended CTE: 17 HOURS**

**OCCUPATIONS:** Electrician, Industrial Electrician, Inside Wireman, Maintenance Electrician.

**AVERAGE SALARY:** \$50,510

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