

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		Microsoft Word & PowerPoint	
						Technology Engineering & Design			
	10	English II	Math II	Biology	Civics & Economics	Technological Design		Principles of Business & Finance	
	11	English III	Math III	Physics	US History I			ELC 112 DC/AC Electricity	
	12	English IV	4 th Math Course	Elective	US History II	ELC 125 Diagrams & Schematics		ELC 113 Residential Wiring	
ELC 114 Commercial Wiring						ISC 112 Industrial Safety			
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	CIS 110 Introduction to Computers	ELC 114 Commercial Wiring		ELC 118 National Electric Code	ELC 121 Electrical Estimating	ENG 111 Writing & Inquiry		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	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: 71

HOURS REMAINING TO COMPLETE DEGREE: 54

RED ARTICULATED CREDIT: 0 HOURS

Yellow Recommended CTE: 17 HOURS

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

AVERAGE SALARY: \$50,510 in 2014

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