



YADKIN COUNTY SCHOOLS
 LEARN TODAY, LEAD TOMORROW
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	Principles of Business and Finance
						Career Mgmt.	Microsoft Word /PP
	10	English II	Math II	Biology	Civics & Economics	Electronics I	Microsoft Excel and Access
						Elective	Elective
	11	English III	Math III	Physics	US History I	Electronics II	ELC 113 Residential Wiring
12	English IV	4 th Math Course	Elective	US History II	ELC 125 Diagrams & Schematics	ISC 112 Industrial Safety	
					ELC 114 Commercial Wiring		
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: 5 HOURS

Yellow Recommended CTE: 12 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.