

# Electrical Technology Program of Study



## Career Cluster: Architecture and Construction

## Career Cluster Pathway: Construction/Electrical

This Program of Study is built for those interested in concentrating on a Career and Technical Education pathway. Students following this pathway will lead them to College/University study or immediate employment. Parents, teachers, and counselors are encouraged to modify it to fit the career and college planning of the individual. Please refer to the SJA course bulletin for class listings that can be substituted for those listed here.

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses Other Electives Recommended Electives Learner Activities Leadership Activities	Career & Technical Courses And/or Degree Major Courses	SAMPLE Occupations Relating To This Pathway		
<i>Interest Inventory Administered and Plan of Study Initiated for all Learners</i>										
<b>SECONDARY</b>	9	Humanities	Prealgebra Algebraic Foundations Algebra 1	Integrated Science 1	Humanities	Health Intro. to PE Club/Sport Activities	Career Exploration Introduction to Electricity Introduction to Construction	<ul style="list-style-type: none"> <li>• Machine Builder</li> <li>• Electrician</li> <li>• Electrical Tech</li> <li>• Electrical Assembler</li> <li>• Mechanic</li> <li>• Automation Tech</li> <li>• Production Worker</li> <li>• Field Service Technician</li> <li>• Electrical Lead</li> <li>• Electrical Tech</li> <li>• Electrical Controls Technician</li> <li>• Electrical Maintenance Technician</li> <li>• Programming Specialist</li> <li>• Service Technician</li> <li>• Electrical Maintenance Planner</li> <li>• Controls Designer</li> <li>• Electrical Engineer</li> <li>• Electrical Controls Engineer</li> </ul>		
	10	Perspectives in Literature	Integrated Math Algebra 2	Integrated Science 2	World Civilizations	Introduction to Computer Science	Introduction to Electricity Introduction to Construction Residential/Industrial Electricity I			
	11	Technical Communication 1 Rhetoric and Composition	Geometry Trigonometry	Integrated Science 3	US History	Exercise Science Intro. to Business Sales and Marketing Language SkillsUSA	Residential/Industrial Electricity I Residential/Industrial Electricity II Work-based learning placement or Internship 1			
	<i>Dual Enrollment, Early College, or AP Courses are available</i>									
	12	Technical Communication 2 Literary Perspectives	Trigonometry	Chemistry Elective	CTE Capstone Capstone	Entrepreneurship Language Exercise Science SkillsUSA	Residential/Industrial Electricity II Work-based learning placement or Internship 1			
<b>POSTSECONDARY</b>	Year 13	College Writing or English Composition	College Algebra Statistics	Biology	US History American Government	<b>SJA Graduation Requirements:</b>				
	<p>Students who plan to seek admission to college or university should examine entrance/application requirements and adjust plans to meet goals.</p>						Senior Capstone 1 English 4 Math 3 Science 3 Social Studies 3 Health 1 PE 1.5 Electives 9			