

# Construction Technology Program of Study



## Career Cluster: Architecture and Construction Career Cluster Pathway: Construction

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
Interest Inventory Administered and Plan of Study Initiated for all Learners								
SECONDARY	9	Humanities	Prealgebra Algebraic Foundations Algebra 1	Integrated Science 1	Humanities	Health Intro. to PE Club/Sport Activities	Career Exploration Introduction to Construction Introduction to Electricity Introduction to Welding	Carpenter Code Official Concrete Finisher Construction Engineer Construction Foreman/Manager Construction Inspector Contractor Design Builder Drywall Installer Electrician Electronic Systems Technician Equipment and Material Manager General Contractor/Builder Heating, Ventilation, Air Conditioning and Refrigeration Mechanic Mason Painter Paperhanger Plumber Project Estimator Project Inspector Project Manager Roofer Safety Director Sheet Metal Worker Specialty Contractor Superintendent Tile and Marble Setter
	10	Perspectives in Literature	Integrated Math Algebra 2	Integrated Science 2	World Civilizations	Introduction to Computer Science	Introduction to Construction Introduction to Welding Introduction to Electricity Automotive Technology 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	Work-based learning placement or Internship 1	
	Dual Enrollment, Early College, or AP Courses are available							
	12	Technical Communication 2 Literary Perspectives	Trigonometry	Chemistry Elective	CTE Capstone Capstone	Entrepreneurship Language Exercise Science SkillsUSA	Work-based learning placement or Internship 2	
POSTSECONDARY	Year 13	College Writing or English Composition	College Algebra Statistics	Biology	US History American Government	SJA Graduation Requirements:		
	Students who plan to seek admission to college or university should examine entrance/application requirements, and adjust plans to meet goals.					Senior Capstone 1 English 4 Math 3 Science 3 Social Studies 3 Health 1 PE 1.5 Electives 9		