



Cluster Overview: Focuses on careers in designing, planning, managing, building and maintaining the built environment.

Construction

Career Goal (O*NET Code): Construction Manager (11-9021), Project Manager (11-9021), Construction Foreman (47-1011), Equipment/Material Manager (11-9021/11-3061), Cost Estimator (13-1051).

Student Name: _____
Grade: _____
School: _____

SUGGESTED COURSEWORK

EXTENDED LEARNING EXPERIENCES

Middle School	8th	HS Courses:	Exploring Construction Technology Touch Systems Data Entry	Curricular Experiences: SkillsUSA Technology Student Association	Extracurricular Experiences: Association of General Contractor Conferences Historic Building Tours Home Tours Language Immersion Programs Student Government UIL Academic Competitions Yearbook
	9th	Core Courses:	English I Algebra I or Geometry Biology		
10th		Career-Related Electives:	Principles of Architecture and Construction		Career Learning Experiences: Apprenticeship Career Preparation Internship Job Shadowing
	Core Courses:	English II Geometry or Alg II Chemistry	World History Languages other than English II		
High School	11th	Core Courses:	English III Algebra II or Pre-Cal Physics or Princ of Technology	United States History Professional Communications	COLLEGE CREDIT OPPORTUNITIES -- High School Students should take Advanced Placement (AP), International Baccalaureate (IB), dual credit, Advanced Technical Credit (ATC), or locally articulated courses (Tech Prep), if possible. List those courses that count for college credit on your campus.
		Career-Related Electives:	Advanced Construction Management or Accounting I		
12th	Core Courses:	English IV Alg III, Pre-Calculus, or AP Calculus Science Elective	Government/Economics Fine Arts	Career Options: Carpenter/Roofer Concrete Finisher Iron Worker Crane & Tower Operator Highway Maintenance Worker	Professional Associations: American Institute of Architects American Institute of Constructors American Society of Heating, Refrigerating, and Air-Conditioning Engineers American Subcontractors Associations American Welding Society Associated Builders and Contractors Associated General Contractors of America Construction Management Association Design Build Institute of America Mechanical Contractors of America National Association of Home Builders National Association of Women in Construction National Electrical Manufacturers Association Texas Association of Builders United Association of Plumbers and Pipefitters
	Career-Related Electives:	Practicum in Construction Management			
On-the-Job Training	Heating Ventilation Air Conditioning Cabinetmaking/Millworking		Drafting/CAD Electrical Trades Floor Sanding/Finishing	Masonry Painting Plumbing	Career Options: Security System Installation/Repair Welding/Metal Trades
	NOTE: These experiences may be started and/or completed as part of the high school experience.				
Certificates	OSHA CareerSafe Construction Trades		National Occupational Competency Testing Institute-Construction Trades	North American Technician Excellence Installation Technician	Career Options: Carpenter/Electrician/Plumber Building Inspector HVAC Cost Estimator Welding Inspector
	NOTE: Students may earn all or part of these certificates as part of the high school experience.				
Postsecondary	Associate Degrees	Architectural Drafting Construction Management Construction Technology Drafting	Electrical Engineering Engineering Technology Management	Plumbing/HVAC Surveying Welding Technology	Career Options: Construction Manager Cost Estimator Marketing Manager Sales Representative/Manager Construction Entrepreneur
	Bachelor Degrees	Accounting Architecture Construction	Engineering Management	Science/Management Urban Planning	
	Graduate Degrees	Architecture Construction	Engineering Management	Science/Management Urban Planning	

Students may select other elective courses for personal enrichment purposes.

This plan of study serves as a guide, along with other career planning materials, for pursuing a career path and is based on the most recent information as of 2009. All plans meet high school graduation requirements as well as college entrance requirements.