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	Construction
Cluster	Overview · Focuses

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

Design/Pre-Construction

Career Goal (O*NET Code): Architect (17-1011), Civil/Structural Engineer (17-2051),
Landscape Architect (17-1012).

Student Name:

Grade:
School:

					School:		
			SUGGESTED COURSEWORK		EXTENDED LEARNING EXPERIENCES		
Middle School	8th	HS Courses:			Curricular Experiences: Family, Career and Community SkillsUSA	Leaders of America	Extracurricular Experiences: Historic Building Tours Home Tours
High School	9th	Core Courses:	English I World Geography Algebra I Physical Education Biology Languages other than	Professional Communications a English I			Language Immersion Programs School Newspaper Student Government
		Career-Related Electives:	Principles of Architecture and Construction or Art I				UIL Academic Competitions Yearbook
		Core Courses:	English II World H Geometry Languag Chemistry	istory es other than English II	Career Learning Experiences: Apprenticeship Career Properties		Service Learning Experiences: Architectural/Engineering Summer Camps
		Career-Related Electives:	Architectural Design or Interior Design or Construction Technology or Mechanical Engineering		Career Preparation Job Shadowing Internship		Campus Service Organizations Community Service Volunteer Habitat for Humanity
	1th	Core Courses:	English III United S Algebra II Physics or Principles of Technology I United S	tates History	mænsnip		Peer Mentoring / Peer Tutoring
	12th	Career-Related Electives:	Advanced Architectural Design or Advanced Engineering Design and Career Preparation I		COLLEGE CREDIT OPPORTUNITIES High School		
		Core Courses:	English IV Government/Economics Precalculus Fine Arts Engineering Design & Problem Solving		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:	Practicum in Architectural Design or Career Preparation II				
	_ ∴ -⊟	Cabinetmaking/Millwo Carpentry	Orking Construction Trades Decorator Design Assistant	Drafting/Computer Aided Drafting Home Improvement Sales Clerk	Sales Clerk - Furnishings/Equipment		Professional Associations: American Architectural Foundation American Institute of Architects
	O	NOTE: These experiences may be started and/or completed as part of the high school experience.			American Institute		American Institute of Constructors
	ertifi	ADDA Drafter Drafter NCCER Carpentry NOTE: Students may earn a	NCCER Introductory Craft Skills NCCER Construction Technology NCCER Maintenance: Industrial all or part of these certificates as part of the high school experience	OSHA Careersafe OSHA Ten Hour Safety	Career Options: Construction Worker Drafter	Model Builder Renderer	American Society of Civil Engineers American Society of Interior Designers American Society of Landscape Architects Associated Builders and Contractors
Postseconda	Associate Degrees	Architectural Design Construction Technology	Design Technology Drafting	Housing Studies	Career Options: Building Code Official Civil Engineering Technician	Model Builder Renderer Surveying/Mapping Technician	Associated General Contractors of America Construction Management Association Design Build Institute of America National Association of Home Builders
	Bachelor Degrees	Architecture Construction Manager	Engineering nent Environmental Design	Interior Environmental Design Urban Planning	Career Options: Cost Estimator Civil Engineer	Landscape Architect Structural Engineer Urban Planner	National Association of Women in Construction National Trust for Historic Preservation Texas Association of Builders Texas Society of Architects
	Grad Degi	Architecture Consumer Economics	Engineering Environmental Design	Historic Preservation	Career Options: Architect Industrial Designer	Instructor/Professor Preservationist	U.S. Green Building Council
					This plan of study serves as a guide, along v meet high school graduation requirements a		a career path and is based on the most recent information as of 2009. All plans