

SD Program of Study

Design Pre-Construction Pathway

This plan of study should serve as a guide, along with other career planning materials, as you continue your career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans should meet high school graduation requirements as well as postsecondary entrance requirements.

	GRADE	English	Math	Science	Social Studies/ Sciences	SD Required Electives	Career & Technical Education Courses	SAMPLE Career Options Relating to This Pathway
Personal Learning Plan (PLP) initiated for all students, academic and career advisement and appropriate assessments.								
SECONDARY	9	*English/Language Arts I (01001)	*Algebra I (02052)	* Physical Science (03159)	* World History-Overview (04051) * World Geography (04001)	* PE/Health * Fine Art Elective	Introduction to Tech Ed. (21051) Intro to Architecture and Construction (17006)	<ul style="list-style-type: none"> ▶ Architect ▶ Building Code Official ▶ Building Designer ▶ Civil Engineer ▶ Code Official ▶ Cost Estimator ▶ Drafter ▶ Electrical Engineer ▶ Electronic Engineer ▶ Environmental Designer ▶ Environmental Engineer ▶ Fire Prevention and Protection Engineer ▶ Industrial Engineer ▶ Interior Designer ▶ Landscape Architect ▶ Materials Engineer ▶ Mechanical Engineer ▶ Regional and Urban Planner/Designer ▶ Safety Director ▶ Specification Writer ▶ Structural Engineer ▶ Surveying and Mapping Technician
	10	*English/Literature II (01051) *Speech (01151)	* Geometry (02072)	* Biology (03051)		1 unit total - any combination of: * World Language or	Technical Drafting (21106) CAD (21107)	
	11	* English/Comp III (01102) *American Literature (01054)	* Algebra II (02056)	* Chemistry (03101)	* U.S. History-Comprehensive (04101)	* Capstone Service Learning or Approved Career & Technical Education	Architectural Drafting (21103) * Entrepreneurship (12053)	
	12	*English/Language Arts IV (01004)	Calculus (02121) or Trigonometry (02103)	Physics (03151)	* U.S. Government-Comprehensive (04151)	* Personal Finance (22210) or *Economics (04201)	Cabinetry (17007)	
					* Psychology (04254)		* Youth Internship (80018) or *Senior Experience (80019)	
POSTSECONDARY	Year 13	Written and Oral Communications	College Level Math	Natural Sciences	Social Studies/ Sciences	Computer Literacy		
	Year 14	Written Communications	Information Literacy			Wellness for Life Arts & Humanities		
	Year 15							
CAREER CLUSTER CERTIFICATES	<p style="text-align: center;"> Certified SolidWorks Associate (CSWA) Drafter Certification (ADDA) OSHA 10 Hour Safety Certification—Construction Industry OSHA 10 Hour Safety Certification—General Industry </p>							