



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 college entrance requirements.

	GRADE	English	Math	Science	Social Studies/ Sciences	SD Required Electives	Career & Technical Education Courses	SAMPLE Career Options Relating to This Pathway		
Interest Inventory Administered and Plan of Study Initiated for all Students										
SECONDARY	9	* English I	* Algebra I	* Physical Science	* World History * Geography	* PE/Health * Fine Art Elective	Exploring Tech Ed. Intro to Architecture and Construction	<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 II	* Geometry	* Biology I		2 units total - any combination of: * World Language or	Technical Drafting CAD			
	Academic/Career Advisement Provided - College Placement Assessments									
	11	* English III	* Algebra II	* Chemistry	* American History	* Computer Studies or Approved Career & Technical Education	Architectural Drafting * Entrepreneurship			
	12	* English IV	Calculus or Trigonometry	Physics	* U.S. Government * Psychology	* Personal Finance or * Economics * Youth Internship or * Senior Experience	Cabinet Making			
The general course identified in this Program of Study are those required as part of S.D. Advanced Pathway to Graduation.										
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									
	Year 16									

◀ Blue Text - College Level - Dual Credit

Underlined Text - Industry Certification Available

† Red Text - Courses can be articulated to Postsecondary Education

* Classes available through Virtual School ✦ Recommended academic