



SD Program of Study

Transportation Systems/Infrastructure Planning, Managing, and Regulations 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	Foundations of CTE	<ul style="list-style-type: none"> ▶ Air Traffic Controller ▶ Aviation Inspector ▶ Civil Engineer ▶ Customer Accounts Manager ▶ Customs Inspector ▶ Department of Transportation (DOT) Officer ▶ Engineering Technician ▶ Environmental Compliance Inspector ▶ Environmental Engineer ▶ Freight Inspector ▶ Logistics System Manager ▶ Marine Cargo Inspector ▶ Motor Vehicle Inspector ▶ Port Manager ▶ Public Transportation Inspector ▶ Railroad Inspector ▶ Regulator ▶ Surveying and Mapping Technician ▶ Traffic Technician ▶ Transportation Engineer ▶ Urban and Regional Planner 		
	10	* English II	* Geometry	* Biology I		2 units total - any combination of: * World Language or	Business Communication Introduction to Energy & Power			
	Academic/Career Advisement Provided - College Placement Assessments									
	11	* English III	* Algebra II	* Chemistry	* American History	* Computer Studies or Approved Career & Technical Education	Introduction to Engineering Design Entrepreneurship			
	12	* English IV	Calculus	College Science Elective	* U.S. Government * Psychology	* Personal Finance or * Economics	Youth Internship Senior Experience			
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