



SD Program of Study

Facility and Mobile Equipment Maintenance 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.

	GRAD E	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	ATV Small Engine Mechanics Damage Analysis/Estimating or Automotive Electronics	Facility ▶ Electrical/Electronic Technician ▶ Facility Engineer ▶ Facility Maintenance Manager and Engineer ▶ Industrial Electrician ▶ Industrial Equipment Mechanic Mobile Equipment ▶ Aerospace Engineering and Operations Technician ▶ Aircraft Mechanic and Service Technician ▶ Automotive Service Technician ▶ Avionics Technician ▶ Bus and Truck Mechanic ▶ Collision Repair Technician ▶ Diesel Engine Specialist ▶ Motorboat Mechanic ▶ Off-Road Equipment Technician ▶ Rail Locomotive and Car Mechanic and Repairer ▶ Service Manager ▶ Service Writer ▶ Ship Mechanic and Repairer		
	10	* English II	* Geometry	* Biology I		2 units total - any combination of: * World Language or	Auto body Nonstructural Analysis Automotive Engine Performance			
	Academic/Career Advisement Provided - College Placement Assessments									
	11	* English III	* Algebra II	* Chemistry	* American History	* Computer Studies or Approved Career & Technical Education	Auto body Structural Analysis or Automotive Brakes Entrepreneurship			
	12	* English IV	Calculus	College Science Elective	* U.S. Government * Psychology	* Personal Finance or * Economics	Auto body Painting & Refinishing or Automotive Suspension & Steering Capstone 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									
<div style="display: flex; justify-content: space-between;"> ◀ Blue Text - College Level - Dual Credit † Red Text - Courses can be articulated to Postsecondary Education </div> <div style="display: flex; justify-content: space-between;"> Underlined Text - Industry Certification Available * Classes available through Virtual School ✦ Recommended academic </div>										