

# 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 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, career and academic advisement and appropriate assessments.								
SECONDARY	9	* English I (01001)	* Algebra I (02052)	* Physical Science (03159)	* World History-Overview (04051)  * World Geography (04001)	* PE/Health  * Fine Art Elective	Intro to Vehicle System Maintenance (20106) &/or ATV/Small Engine Mechanics (20109) Auto body Damage Analysis & Estimating (20120) or Automotive Electronics (20105)	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/Literature II (01051) *Speech (01151)	* Geometry (02072)	* Biology (03051)		1 unit total - any combination of:  * World Language or	Auto body Nonstructural Analysis (20125) Automotive Engine Performance (20121)	
	11	*English/Comp III (01102) *American Literature (01054)	* Algebra II (02056)	* Chemistry (03101)	* American History-Comprehensive (04101)	* Capstone Service Learning or Approved Career & Technical Education	Auto body Structural Analysis (20119) or Automotive Brakes (20122)  Entrepreneurship (12053)	
	12	* English IV (01004)	Trigonometry (02103) or Calculus (02121)	College Science Elective	* U.S. Government-Comprehensive (04151) * Psychology (04254)	* Personal Finance (22210) or *Economics (04201)	Auto body Painting & Refinishing (20116) or Automotive Suspension & Steering (20123) Capstone Experience	
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							
CAREER CLUSTER CERTIFICATES	Automotive Service Excellence (ASE) Certification Drafter Certification (ADDA) OSHA 10 Hour Safety Certification—General Industry Project Lead the Way							

Orange Text - College Level - Dual Credit

\* Classes available through Virtual School

<sup>2</sup> Recommended academic