

SD Program of Study

Maintenance/ Operations 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) Technical Drafting (21106) or Introduction to Architecture and Construction (17006)	▶ Carpenter ▶ Official ▶ Agent ▶ Construction Engineer ▶ Construction Foreman/Manager ▶ Construction Inspector ▶ Demolition Engineer ▶ Environmental Engineer ▶ Equipment and Material Manager ▶ Estimator ▶ Hazardous Material Remover ▶ Manufacturer Representative ▶ Mason ▶ Safety Director ▶ Security and Fire Alarm System Installer ▶ Service Contractor and Field Supervisor ▶ Subcontractor ▶ System Installer ▶ Wastewater Maintenance Technician
	10	*English/Literature II (01051) *Speech (01151)	* Geometry (02072)	* Biology (03051)		1 unit total - any combination of: * World Language or	Technical Drafting (21106) Electronics (17106)	
	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	Welding Technology (13207) * Entrepreneurship (12053)	
	12	* English/Language Arts IV (01004)	Calculus (02121) or Trigonometry (02103)	Physics (03151)	* U.S. Government-Comprehensive (04151) * Psychology (04254)	* Personal Finance (22210) or *Economics (04201)	Intro to Building Trade (17002) * 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							
	Year 16							
CAREER CLUSTER CERTIFICATES	Certified SolidWorks Associate (CSWA) Drafter Certification (ADDA) OSHA 10 Hour Safety Certification—Construction Industry OSHA 10 Hour Safety Certification—General Industry							
Orange Text - College Level - Dual Credit						* Classes available through Virtual School		² Recommended academic