SD Program of Study
Manufacturing Production Process Development

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 Technology Education Technical Drafting or Intro to Manufacturing	►Design Engineer ►Electrical and Electronic Technician and Technologist ►Electronics Engineer ►Engineering and Related Technician and Technologist ►Industrial Engineer ►Labor Relations Manager ►Manufacturing Engineer ►Manufacturing Technician ►Power Generating and Reactor Plant Operator ►Precision Inspector, Tester and Grader ►Process Improvement Technician ►Production Manager ►Purchasing Agent ►Supervisor
	10	* English II	* Geometry	* Biology I		2 units total - any combination of: * World Language or	Electronics Machine Tool, Welding	
	Academic/Career Advisement Provided - College Placement Assessments							
	11	* English III	* Algebra II	* Chemistry	* American History	* Computer Studies or Approved Career & Technical Education	Mechatronics/Robotics Cabling Technology	
	12	* English IV	Calculus	College Science Elective	* U.S. Government * Psychology	* Personal Finance or * Economics	Entrepreneurship * 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**