



Career Plan of Study Manufacturing

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.

High School	9th Grade	10th Grade	11th Grade	12th Grade	
	Eng. 9 or English 9 Honors	Eng. 10 or Eng. 10 Honors	English 11 or English 11 Honors	1 Literature and 1 Writing Course	
	Pre-Alg., Algebra I , Geometry	Algebra I , Geom. or Alg. II	Alg. II or higher for 4 year college	Math elective	
	Science 9 or Biology	Biology , Chemistry, or Earth Science	3 rd Lab Science for 4 year college	Science elective	
	E. Cultural Studies or H	US History or AP US History	Social Studies elective	Gov./H and Econ. or AP Microeconomics	
	PE , Art, Music, Foreign Language	PE, Career Pathways , Art, Music, Foreign Language	PE, Health , Art, Music, Foreign Language	Art, Music, Foreign Language	
Manufacturing Electives Manufacturing Computer Aided Drafting Materials & Processes Production Manufacturing HMV-AS CAD/CAM Engineering I- AS CAD/CAM Engineering II-AS Manufacturing Certified Coop or Apprenticeship		Career & Technical Education Electives Microsoft Word 1 & 2 Principles of Engineering 1 & 2 Accounting 1 Computer Application 1 & 2		Additional High School Electives Electronics Psychology Chemistry	
Career Enhancement	Work-based Learning Options		Short-Term Training Options		
	On-The-Job Training: Manufacturing Coop		<input type="checkbox"/> Power Engineering & Boiler Operator <input type="checkbox"/> Welding Maintenance & Fabrication		
Post-Secondary	Apprenticeships		Technical College		College/University
	<input type="checkbox"/> Industrial Electrician <input type="checkbox"/> Instrument Technician <input type="checkbox"/> Machinist <input type="checkbox"/> Maintenance Mechanic <input type="checkbox"/> Metal Fabricator <input type="checkbox"/> Pipefitter <input type="checkbox"/> Tool and Die Maker For more information visit www.witechcolleges.com/default.htm		<input type="checkbox"/> Electrical Engineering Technology <input type="checkbox"/> Electronics <input type="checkbox"/> Industrial Maintenance <input type="checkbox"/> Machine Tool <input type="checkbox"/> Mechanical Design Technology <input type="checkbox"/> Welding For more information visit www.witechcolleges.com/default.htm		<input type="checkbox"/> Electrical Engineering <input type="checkbox"/> Industrial Engineering <input type="checkbox"/> Manufacturing Engineering <input type="checkbox"/> Materials Engineering <input type="checkbox"/> Mechanical Engineering <input type="checkbox"/> Occupational Safety For more information visit www.wisconsin.edu

Pathways: Health Safety & Environmental Assurance, Logistics & Inventory Control, Maintenance, Installation & Repair, Manufacturing Production Process Development, Production, Quality Assurance

