

This Career Pathway Plan of Study can serve as a guide. Elective courses listed within this plan are only recommended coursework and should be individualized to meet your educational and career goals.



Milford High School Career Pathway Plan of Study



Manufacturing: Planning, managing and performing the processing of materials into products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

	Grade	English/ Language Arts	Math	Science	Social Studies	Other Required (R) Courses / Recommended Electives	Career and Technical Education (CTE) Courses	SAMPLE Occupations Relating to This Pathway
S E C O N D A R Y P L A N N I N G	9	English 9	<u>Begin Sequence:</u> Algebra I -or- Geometry (H)	<u>Begin Sequence:</u> Physical Science -or- Biology (H)	American Studies 9	Wellness I (R) Fine Art Requirement (R) World Language	Introduction to Pre-Engineering Woodworking Technology Accounting I	<ul style="list-style-type: none"> ▶ Assemblers and Fabricators ▶ Cabinetmakers ▶ Carpenters ▶ Civil Engineering Technicians ▶ Electrical Engineering Technicians ▶ Electrical and Electronic Engineering Technicians ▶ Electrical and Electronic Equipment Assemblers ▶ Engine and Other Machine Assemblers ▶ Fashion & Interior Designers ▶ Jewelers ▶ Machinists ▶ Musical Instrument Repairers and Tuners ▶ Plant and System Operators ▶ Welders, Cutters, and Welder Fitters
	10	English 10	Select two: Algebra I Geometry Algebra II Trigonometry	Biology -or- Chemistry (H)	American Studies 10	World Language	<u>Accounting I</u> or- Basic Welding <u>Engineering Design</u> Precision Machining Woodworking Technology	
	11	English 11	Applications of Math Algebra II <u>Probability & Statistics</u> Trigonometry Pre-Calculus	Chemistry -or- AP Chemistry	Modern World Studies	Wellness II (R) Introduction to Social Science Personal Finance & Career Management World Language	Applied Business Applications <u>Accounting II</u> <u>Computer Integrated Manufacturing</u> Construction Technology <u>Engineering Design</u> <u>Precision Machining</u> <u>Mechatronics Precision Machining</u>	
	12	English 12	Practical Trig. Trigonometry Pre-Calculus Calculus AP Calculus	Conceptual Physics Physics AP Physics		Personal Finance & Career Management World Language -and/or- <u>College Composition</u>	Accounting III Advanced Construction Tech. <u>Advanced Precision Machining</u> <u>Mechatronics Precision Machining</u> <u>Advanced Engineering Design</u> Career Focus Internship	

Notes: Courses in **Bold, Italics, Underlined** are eligible for College Credit! (Dual Enrollment)

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