

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



Architecture & Construction: Careers in designing, planning, managing, building and maintaining the built environment.

	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	Computer Studies Accounting I Introduction to Pre-Engineering Woodworking Technology	<ul style="list-style-type: none"> ▶ Architects ▶ Architectural Drafters ▶ Carpenters ▶ Civil Engineering ▶ Technicians ▶ Civil Engineers ▶ Construction and Building ▶ Inspectors ▶ Construction Managers ▶ Electricians ▶ Electronic Drafters ▶ Engineering Managers ▶ Interior Designers ▶ Landscape Architects ▶ Mechanical Drafters ▶ Mechanical Engineering ▶ Technicians ▶ Surveyors <p style="text-align: right; margin-top: 20px;">*Running Start College Credit Available for those courses that are in <u>Bold, Italics, Underline</u></p>
	10	English 10	<u>Select two:</u> Algebra I Geometry Algebra II Trigonometry	Biology -or- Chemistry (H)	American Studies 10	Visual Studies World Language	Accounting I Applied Business Applications Construction Technology Basic Welding Engineering Design 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 <u>Personal Finance & Career Management</u> SAT Prep English/Math Studio Drawing World Language	<u>Advanced Construction</u> <u>Applied Business Applications</u> -and/or- <u>Principles of Business & Entrepreneurship</u> Accounting II <u>Computer Integrated Manufacturing</u> Construction Technology <u>Engineering Design</u> <u>Precision Machining</u> <u>Residential Finish Carpentry</u> Woodworking Technology	
	12	English 12	Practical Trig. Trigonometry Pre-Calculus Calculus AP Calculus	Conceptual Physics Physics AP Physics		Housing and Interior Design Portfolio Preparation World Language <u>College Composition</u>	Accounting III Advanced Construction Tech. <u>Residential Finish Carpentry</u> <u>Advanced Precision Machining</u> Advanced Woodworking Technology <u>Advanced Engineering Design</u> Career Focus Internship	