

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



Science, Technology, Engineering & Mathematics: Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.

	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 Introduction to Pre- Engineering Introduction to Video Production	<ul style="list-style-type: none"> ▶ Aerospace Engineers ▶ Anthropologists and Archeologists ▶ Astronomers ▶ Biochemists and Biophysicists ▶ Chemical Engineers ▶ Chemists ▶ Civil Engineers ▶ Computer Hardware Engineers ▶ Computer Programmers ▶ Electronics Drafters ▶ Electrical Engineers ▶ Environmental Engineers ▶ Industrial Engineers ▶ Marine Engineers ▶ Mathematicians ▶ Mechanical Engineers ▶ Medical Scientists ▶ Microbiologists ▶ Nuclear Engineers ▶ Physicists ▶ Statisticians ▶ Zoologists and Wildlife Biologists
	10	English 10	Select two: Algebra I Geometry Algebra II Trigonometry	Biology -or- Chemistry (H)	American Studies 10	World Language Anatomy & Physiology I, II	Any Computer Science & Technology Course Microbiology: Principles & Practices Woodworking Technology	
	11	English 11	Applications of Math <u>TAC Math</u> Algebra II <u>Probability & Statistics</u> Trigonometry Pre-Calculus	Chemistry -or- AP Chemistry	Modern World Studies	Wellness II (R) Advanced Health SAT Prep. Math/Writing World Language Modern Literature	Microbiology: Principles & Practices <u>Biotechnology/Genetics</u> <u>Computer Integrated Manufacturing</u> <u>Engineering Design</u> Precision Machining Video Production I	
	12	English 12	Practical Trig. Trigonometry Pre-Calculus Calculus AP Calculus	Conceptual Physics Physics AP Physics		Environmental Science Global Climate Change Marine Biology World Language <u>College Composition</u> <u>Anatomy & Physiology I, II</u>	<u>Advanced Engineering</u> Basic Welding <u>Advanced Precision Machining</u> Video Production II Advanced Woodworking Technology Career Focus Internship	

December 18, 2015

Notes: **Running Start College Credit Available for all courses in Bold, Italics and Underlined**