

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



**Health Science: Planning, managing, and providing therapeutic services, diagnostic services, health information science, support services, and biotechnology research and development.**

**Bold** – Prerequisite for College Success  
Black – High School Requirement

**Italicized** – Prerequisite for College Success  
**Underlined** – Prerequisite for College Success  
Transcripted Dual Enrollment Credit

	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	Algebra I  - or -  Geometry (H)	Physical Science  -or-  Biology (H)	American Studies 9	Wellness I (R)  World Lang. (E)	Computer Studies	<ul style="list-style-type: none"> <li>▶ Anesthesiologists</li> <li>▶ Audiologists</li> <li>▶ Biologists</li> <li>▶ Biomedical Engineers</li> <li>▶ Chiropractors</li> <li>▶ Clinical Psychologists</li> <li>▶ Dental Hygienists</li> <li>▶ Dentists, General</li> <li>▶ Dietitians and Nutritionists</li> <li>▶ Emergency Medical Technicians and Paramedics</li> <li>▶ Family and General Practitioners</li> <li>▶ Health Educators</li> <li>▶ Medical Assistants</li> <li>▶ Occupational Therapists</li> <li>▶ Optometrists</li> <li>▶ Pharmacists</li> <li>▶ Physical Therapists</li> <li>▶ Psychiatrists</li> <li>▶ Speech-Language Pathologists</li> <li>▶ Surgeons</li> <li>▶ Veterinarians</li> </ul>
	10	English 10	<b>Select two:</b> Algebra I Geometry Algebra II Trigonometry	<b>Biology (H preferred)</b>  Anatomy & Physiology I, II	American Studies 10	Fine Arts (R) World Lang. (E) OR Advanced Physical Education (E) Personal Finance & Post Secondary Planning (E)		
	11	English 11	Applications of Math Trigonometry AND/OR <u>Probability/Stats</u>	Human Anatomy <b><u>Anatomy &amp; Physiology I, II</u></b> <b>Chemistry</b> OR <b><u>AP Chemistry (4)</u></b>	World Studies	Wellness II (R) World Lang. (E) OR Intro to Social Science (E) Environmental Science (E) Physics (E) Advanced Health (E)	Applied Business Applications  Principles of Business & Entrepreneurship MICROBIOLOGY: PRINCIPLES & PRACTICES  <b><u>Biotechnology/Genetics (A or H)</u></b>	
12	English 12	Trigonometry AND/OR Pre-Calculus	<b><u>Anatomy &amp; Physiology I, II</u></b> OR <b>Chemistry</b> OR <b>AP Chemistry</b>	Social Studies Elective	Anatomy & Physiology I(E) <b><u>Anatomy &amp; Physiology II(E)</u></b> Intro to Social Science (E) <b><u>College Composition (E)</u></b> Child Development (E) Environmental Science (E) Physics (E) Conceptual Physics (E) Advanced Health (E)	<b><u>Biotechnology/Genetics (A or H)</u></b>  BIOTECHNOLOGY ELO (Extended Learning Opportunity)  Career Focus Internship		

December 18, 2015

Notes: \_\_\_\_\_ **RUNNING START COLLEGE CREDITS AVAILABLE FOR THOSE CLASSES IN BOLD, ITALICS AND UNDERLINED.**