

High School to College and Career Pathway: Secondary

Area of Study: Health Science Education



Pathway: Therapeutic Services Dental

Middle School		State Requirements			High School Suggested Education Plan				College & Careers																										
7 th Grade	8 th Grade	Middle School	High School	9 th Grade Suggested	10 th Grade Suggested	11 th Grade Suggested	12 th Grade Suggested	Beyond High School																											
Language Arts 7 1.00	Language Arts 8 1.00	2.00	Language Arts 4.00	Language Arts 9 1.00	Language Arts 10 1.00	Language Arts 11 1.00	Language Arts 12 1.00	<p>There are a number of options for education and training beyond high school, depending on your career goals.</p> <ul style="list-style-type: none"> > Certificate > Associate degree > Bachelor's degree > Professional degree > On-the-job training > Apprenticeship > Military training <p>Dental is:</p> <ul style="list-style-type: none"> > High demand > Nontraditional for males <p>Sample Occupations</p> <ul style="list-style-type: none"> > Dental Assistant > Dental Ceramist > Dental Hygienist > Dental Laboratory Technician > Dentist > Health Science Education Teacher > Orthodontic Technician <p>For more information on salary projections, labor market demand, and training options, visit www.utahfutures.org.</p>																											
Pre-Algebra 1.00	Elem. Algebra or Applied Math 1.00	2.00	Math 3.00	Geometry or Applied Math II 1.00	Intermediate Algebra 1.00	Pre-calculus 1.00	Statistics or Calculus 1.00																												
Science .50	Science 1.00	1.50	Science 3.00	Biology or Human Biology 1.00	Chemistry 1.00	Medical Anatomy and Physiology 1.00																													
Utah Studies .50	U.S. History I 1.00	1.50	Social Studies 2.50	Geography for Life .50	World Civilizations .50	U.S. History II 1.00	U.S. Government and Citizenship .50																												
P.E. 1.00	Health .50	1.50	P.E./Health 2.00	Participation Skills and Techniques .50	Fitness for Life .50 / Health Education .50 Lifetime Activities or Sport .50																														
The Arts .50	The Arts .50	1.00	Fine Arts 1.50	Fine Arts Courses 1.50																															
			Financial Literacy .50	Financial Literacy .50																															
Keyboarding .50			Computer Tech. .50	Computer Technology .50																															
CTE Intro 1.00		1.00	Career and Technical Education 1.00	<p>Career and Technical Education Recommended Pathway Courses</p> <p>(Students may select individual courses for exploration, or a complete Pathway for an in-depth focus.)</p> <p>CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL</p> <table border="1"> <thead> <tr> <th>Course #</th> <th>Foundation Courses: (required)</th> <th>Credit</th> </tr> </thead> <tbody> <tr> <td>51.0601</td> <td>Dental Assistant</td> <td>2.00</td> </tr> <tr> <td colspan="3">Elective Courses:</td> </tr> <tr> <td>51.0001</td> <td>Health Science, Introduction *</td> <td>.50</td> </tr> <tr> <td>51.1399</td> <td>Medical Anatomy & Physiology</td> <td>1.00</td> </tr> <tr> <td>51.0799</td> <td>Medical Terminology</td> <td>.50</td> </tr> <tr> <td>51.9999</td> <td>Medical Math</td> <td>.50</td> </tr> <tr> <td>51.1316</td> <td>Health Science, Advanced (capstone course)</td> <td>1.00</td> </tr> <tr> <td>32.0199</td> <td>Student Internship (Critical Workplace Skills)</td> <td>.50</td> </tr> </tbody> </table> <p>* It is preferred that this course be taken prior to any foundation course.</p> <p>3.00 credits for completion</p>					Course #	Foundation Courses: (required)	Credit	51.0601	Dental Assistant	2.00	Elective Courses:			51.0001	Health Science, Introduction *	.50	51.1399	Medical Anatomy & Physiology	1.00	51.0799	Medical Terminology	.50	51.9999	Medical Math	.50	51.1316	Health Science, Advanced (capstone course)	1.00	32.0199	Student Internship (Critical Workplace Skills)	.50
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Workforce Trends The dental industry is in critical need of dental assistants. Dentists are hiring more assistants to perform routine tasks so that they may devote more time to complex procedures. Employment for dental assistants is expected to increase 27% through the year 2014.		Core Curriculum and elective requirements may vary district to district. Check with your school counselor. Concurrent enrollment course offerings vary by school and district.		<p>Many Utah post-secondary programs accept high school courses toward a two- or four-year degree through concurrent enrollment. Check regional post-secondary Pathways for details.</p>																															
Get the Facts Research shows that chronic gum disease leads to the release of inflammatory substances and bacteria into the blood stream, which leads to heart disease.		In Utah, a dental hygienist and a dentist must be licensed.																																	

Note: For more information, talk to your school counselor.