

# High School to College and Career Pathway: Secondary

Area of Study: Health Science Education



## Pathway: Biotech Research & Development Biotechnology

Middle School		State Requirements			High School Suggested Education Plan				College & Careers																										
7 <sup>th</sup> Grade	8 <sup>th</sup> Grade	Middle School	High School	9 <sup>th</sup> Grade Suggested	10 <sup>th</sup> Grade Suggested	11 <sup>th</sup> Grade Suggested	12 <sup>th</sup> 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"> <li>&gt; Certificate</li> <li>&gt; Associate degree</li> <li>&gt; Bachelor's degree</li> <li>&gt; Professional degree</li> <li>&gt; On-the-job training</li> <li>&gt; Apprenticeship</li> <li>&gt; Military training</li> </ul> <p><b>Biotechnology is:</b></p> <ul style="list-style-type: none"> <li>&gt; High skill</li> <li>&gt; High demand</li> </ul> <p><b>Sample Occupations</b></p> <ul style="list-style-type: none"> <li>&gt; Biochemist</li> <li>&gt; Biotechnology Technician</li> <li>&gt; Health Science Education Teacher</li> <li>&gt; Immunohematologist</li> <li>&gt; Laboratory Asst.</li> <li>&gt; Microbiologist</li> <li>&gt; Toxicologist</li> </ul> <p>For more information on salary projections, labor market demand, and training options, visit <a href="http://www.utahfutures.org">www.utahfutures.org</a>.</p>																											
Pre-Algebra 1.00	Elem. Algebra or Applied Math 1.00	2.00	Math 3.00	Geometry 1.00	Intermediate Algebra 1.00	Pre-calculus 1.00	Calculus or Statistics 1.00																												
Science .50	Science 1.00	1.50	Science 3.00	Biology or Human Biology 1.00	Chemistry 1.00	Additional credit 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><b>Career and Technical Education Recommended Pathway Courses</b></p> <p>(Students may select individual courses for exploration, or a complete Pathway for an in-depth focus.)</p> <p><b>CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL</b></p> <table border="1"> <thead> <tr> <th>Course #</th> <th>Foundation Courses: (required)</th> <th>Credit</th> </tr> </thead> <tbody> <tr> <td>51.1201</td> <td>Biotechnology</td> <td>1.00</td> </tr> <tr> <td colspan="3"><b>Elective Courses:</b></td> </tr> <tr> <td>51.0001</td> <td>Health Science, Introduction *</td> <td>.50</td> </tr> <tr> <td>51.1399</td> <td>Medical Anatomy &amp; 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>51.1199</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	51.1201	Biotechnology	1.00	<b>Elective Courses:</b>			51.0001	Health Science, Introduction *	.50	51.1399	Medical Anatomy & Physiology	1.00	51.0799	Medical Terminology	.50	51.9999	Medical Math	.50	51.1199	Health Science, Advanced (capstone course)	1.00	32.0199	Student Internship (Critical Workplace Skills)	.50
Course #	Foundation Courses: (required)	Credit																																	
51.1201	Biotechnology	1.00																																	
<b>Elective Courses:</b>																																			
51.0001	Health Science, Introduction *	.50																																	
51.1399	Medical Anatomy & Physiology	1.00																																	
51.0799	Medical Terminology	.50																																	
51.9999	Medical Math	.50																																	
51.1199	Health Science, Advanced (capstone course)	1.00																																	
32.0199	Student Internship (Critical Workplace Skills)	.50																																	
<b>Workforce Trends</b> While biotechnology is still in its infancy, it is a dynamic career field that is expanding by leaps and bounds. "Biotechnology has become the centerpiece of therapy of all ailments, from heart disease and cancers to the common cold," says Carl B. Feldbaum, president of the Biotechnology Industry Organization (BIO).		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>																															
<b>Get the Facts</b> Biotechnology is predicted to be one of the most important applied sciences of the 21 <sup>st</sup> century.																																			

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

# High School to College and Career Pathway: Secondary

Area of Study: Health Science Education



## Pathway: Health Informatics

### Medical Office Administrative Assistant

Middle School		State Requirements			High School Suggested Education Plan				College & Careers																																
7 <sup>th</sup> Grade	8 <sup>th</sup> Grade	Middle School	High School	9 <sup>th</sup> Grade Suggested	10 <sup>th</sup> Grade Suggested	11 <sup>th</sup> Grade Suggested	12 <sup>th</sup> Grade Suggested	Beyond High School																																	
Language Arts 7 1.00	Language Arts 8 1.00	2.00	Language Arts 3.00	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"> <li>&gt; Certificate</li> <li>&gt; Associate degree</li> <li>&gt; Bachelor's degree</li> <li>&gt; Professional degree</li> <li>&gt; On-the-job training</li> <li>&gt; Apprenticeship</li> <li>&gt; Military training</li> </ul> <p><b>Medical Office Administrative Assistant is:</b></p> <ul style="list-style-type: none"> <li>&gt; High skill</li> <li>&gt; High demand</li> <li>&gt; Nontraditional for males</li> </ul> <p><b>Sample Occupations</b></p> <ul style="list-style-type: none"> <li>&gt; Health Science Education Teacher</li> <li>&gt; Medical Coder</li> <li>&gt; Medical Secretary</li> <li>&gt; Medical Records Technician</li> </ul> <p>For more information on salary projections, labor market demand, and training options, visit <a href="http://www.utahfutures.org">www.utahfutures.org</a>.</p>																																	
Pre-Algebra 1.00	Elem. Algebra or Applied Math 1.00	2.00	Math 2.00	Geometry or Applied Math II 1.00	Intermediate Algebra 1.00	Additional credit 1.00																																			
Science .50	Science 1.00	1.50	Science 2.00	Earth Systems 1.00	Biological Science 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><b>Career and Technical Education Recommended Pathway Courses</b></p> <p>(Students may select individual courses for exploration, or a complete Pathway for an in-depth focus.)</p> <p><b>CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL</b></p> <table border="1"> <thead> <tr> <th>Course #</th> <th>Foundation Courses: (required)</th> <th>Credit</th> </tr> </thead> <tbody> <tr> <td>51.0703</td> <td>Medical Office Administrative Assistant</td> <td>1.00</td> </tr> <tr> <td colspan="3"><b>Elective Courses:</b></td> </tr> <tr> <td>51.0001</td> <td>Health Science, Introduction *</td> <td>.50</td> </tr> <tr> <td>51.1399</td> <td>Medical Anatomy &amp; Physiology</td> <td>1.00</td> </tr> <tr> <td>51.0707</td> <td>Medical Records Technician</td> <td>.50</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>51.0708</td> <td>Medical Transcription</td> <td>1.00</td> </tr> <tr> <td>51.1199</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> <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>					Course #	Foundation Courses: (required)	Credit	51.0703	Medical Office Administrative Assistant	1.00	<b>Elective Courses:</b>			51.0001	Health Science, Introduction *	.50	51.1399	Medical Anatomy & Physiology	1.00	51.0707	Medical Records Technician	.50	51.0799	Medical Terminology	.50	51.9999	Medical Math	.50	51.0708	Medical Transcription	1.00	51.1199	Health Science, Advanced (capstone course)	1.00	32.0199	Student Internship (Critical Workplace Skills)	.50
Course #	Foundation Courses: (required)	Credit																																							
51.0703	Medical Office Administrative Assistant	1.00																																							
<b>Elective Courses:</b>																																									
51.0001	Health Science, Introduction *	.50																																							
51.1399	Medical Anatomy & Physiology	1.00																																							
51.0707	Medical Records Technician	.50																																							
51.0799	Medical Terminology	.50																																							
51.9999	Medical Math	.50																																							
51.0708	Medical Transcription	1.00																																							
51.1199	Health Science, Advanced (capstone course)	1.00																																							
32.0199	Student Internship (Critical Workplace Skills)	.50																																							
<b>Workforce Trends</b> A growing and aging population and technological advances in medicine make this one of the fastest growing occupations through 2016, with an expected growth of 35%.		Core Curriculum and elective requirements may vary district to district. Check with your school counselor.  Concurrent enrollment course offerings vary by school and district.																																							
<b>Get the Facts</b> As insurance policies become more intricate, and as government sets more guidelines and creates new laws surrounding the profession, there is an increased need for administrative help within hospitals, clinics, and other medical offices.																																									

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

# 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 <sup>th</sup> Grade	8 <sup>th</sup> Grade	Middle School	High School	9 <sup>th</sup> Grade Suggested	10 <sup>th</sup> Grade Suggested	11 <sup>th</sup> Grade Suggested	12 <sup>th</sup> 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"> <li>&gt; Certificate</li> <li>&gt; Associate degree</li> <li>&gt; Bachelor's degree</li> <li>&gt; Professional degree</li> <li>&gt; On-the-job training</li> <li>&gt; Apprenticeship</li> <li>&gt; Military training</li> </ul> <p><b>Dental is:</b></p> <ul style="list-style-type: none"> <li>&gt; High demand</li> <li>&gt; Nontraditional for males</li> </ul> <p><b>Sample Occupations</b></p> <ul style="list-style-type: none"> <li>&gt; Dental Assistant</li> <li>&gt; Dental Ceramist</li> <li>&gt; Dental Hygienist</li> <li>&gt; Dental Laboratory Technician</li> <li>&gt; Dentist</li> <li>&gt; Health Science Education Teacher</li> <li>&gt; Orthodontic Technician</li> </ul> <p>For more information on salary projections, labor market demand, and training options, visit <a href="http://www.utahfutures.org">www.utahfutures.org</a>.</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><b>Career and Technical Education Recommended Pathway Courses</b></p> <p>(Students may select individual courses for exploration, or a complete Pathway for an in-depth focus.)</p> <p><b>CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL</b></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"><b>Elective Courses:</b></td> </tr> <tr> <td>51.0001</td> <td>Health Science, Introduction *</td> <td>.50</td> </tr> <tr> <td>51.1399</td> <td>Medical Anatomy &amp; 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	<b>Elective Courses:</b>			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
Course #	Foundation Courses: (required)	Credit																																	
51.0601	Dental Assistant	2.00																																	
<b>Elective Courses:</b>																																			
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																																	
<b>Workforce Trends</b> 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>																															
<b>Get the Facts</b> 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.

# High School to College and Career Pathway: Secondary

Area of Study: Health Science Education



## Pathway: Therapeutic Services Emergency Medical Technician (EMT)

Middle School		State Requirements			High School Suggested Education Plan				College & Careers																													
7 <sup>th</sup> Grade	8 <sup>th</sup> Grade	Middle School	High School	9 <sup>th</sup> Grade Suggested	10 <sup>th</sup> Grade Suggested	11 <sup>th</sup> Grade Suggested	12 <sup>th</sup> 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"> <li>&gt; Certificate</li> <li>&gt; Associate degree</li> <li>&gt; Bachelor's degree</li> <li>&gt; Professional degree</li> <li>&gt; On-the-job training</li> <li>&gt; Apprenticeship</li> <li>&gt; Military training</li> </ul> <p><b>Emergency Medical Technician (EMT) is:</b></p> <ul style="list-style-type: none"> <li>&gt; High skill</li> <li>&gt; High demand</li> <li>&gt; Nontraditional for females</li> </ul> <p><b>Sample Occupations</b></p> <ul style="list-style-type: none"> <li>&gt; Emergency Medical Technician (EMT)</li> <li>&gt; Health Science Education Teacher</li> <li>&gt; Paramedic</li> </ul> <p>For more information on salary projections, labor market demand, and training options, visit <a href="http://www.utahfutures.org">www.utahfutures.org</a>.</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	Additional credit 1.00																																
Science .50	Science 1.00	1.50	Science 3.00	Earth Systems 1.00	Biological Science 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><b>Career and Technical Education Recommended Pathway Courses</b></p> <p>(Students may select individual courses for exploration, or a complete Pathway for an in-depth focus.)</p> <p><b>CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL</b></p> <table border="1"> <thead> <tr> <th>Course #</th> <th>Foundation Courses: (required)</th> <th>Credit</th> </tr> </thead> <tbody> <tr> <td>51.0904</td> <td>Emergency Medical Technician</td> <td>1.00</td> </tr> <tr> <td colspan="3"><b>Elective Courses:</b></td> </tr> <tr> <td>51.0810</td> <td>Emergency Medical Services, Introduction</td> <td>.50</td> </tr> <tr> <td>51.0001</td> <td>Health Science, Introduction *</td> <td>.50</td> </tr> <tr> <td>51.1399</td> <td>Medical Anatomy &amp; 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>51.1199</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	51.0904	Emergency Medical Technician	1.00	<b>Elective Courses:</b>			51.0810	Emergency Medical Services, Introduction	.50	51.0001	Health Science, Introduction *	.50	51.1399	Medical Anatomy & Physiology	1.00	51.0799	Medical Terminology	.50	51.9999	Medical Math	.50	51.1199	Health Science, Advanced (capstone course)	1.00	32.0199	Student Internship (Critical Workplace Skills)	.50
Course #	Foundation Courses: (required)	Credit																																				
51.0904	Emergency Medical Technician	1.00																																				
<b>Elective Courses:</b>																																						
51.0810	Emergency Medical Services, Introduction	.50																																				
51.0001	Health Science, Introduction *	.50																																				
51.1399	Medical Anatomy & Physiology	1.00																																				
51.0799	Medical Terminology	.50																																				
51.9999	Medical Math	.50																																				
51.1199	Health Science, Advanced (capstone course)	1.00																																				
32.0199	Student Internship (Critical Workplace Skills)	.50																																				
<p><b>Workforce Trends</b> A growing and urbanized population will demand more emergency services, increasing the demand for professional emergency medical technicians (EMT) and paramedics.</p> <p><b>Get the Facts</b> Emergency medical technicians and paramedics must have formal training and certification. In order to maintain certification, EMTs and paramedics are required to recertify, typically every 2 years.</p>		<p>Core Curriculum and elective requirements may vary district to district. Check with your school counselor.</p> <p>Concurrent enrollment course offerings vary by school and district.</p>		<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>																																		

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

# High School to College and Career Pathway: Secondary

Area of Study: Health Science Education



## Pathway: Therapeutic Services Medical Assistant

Middle School		State Requirements			High School Suggested Education Plan				College & Careers																										
7 <sup>th</sup> Grade	8 <sup>th</sup> Grade	Middle School	High School	9 <sup>th</sup> Grade Suggested	10 <sup>th</sup> Grade Suggested	11 <sup>th</sup> Grade Suggested	12 <sup>th</sup> 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"> <li>&gt; Certificate</li> <li>&gt; Associate degree</li> <li>&gt; Bachelor's degree</li> <li>&gt; Professional degree</li> <li>&gt; On-the-job training</li> <li>&gt; Apprenticeship</li> <li>&gt; Military training</li> </ul> <p><b>Medical Assistant is:</b></p> <ul style="list-style-type: none"> <li>&gt; High demand</li> <li>&gt; Nontraditional for males</li> </ul> <p><b>Sample Occupations</b></p> <ul style="list-style-type: none"> <li>&gt; Certified Nurse Assistant (CNA)</li> <li>&gt; Health Science Education Teacher</li> <li>&gt; Licensed Practical Nurse (LPN)</li> <li>&gt; Medical Assistant</li> <li>&gt; Registered Nurse (RN)</li> </ul> <p>For more information on salary projections, labor market demand, and training options, visit <a href="http://www.utahfutures.org">www.utahfutures.org</a>.</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	Additional credit 1.00																													
Science .50	Science 1.00	1.50	Science 3.00	Earth Systems 1.00	Biological Science 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	<div style="background-color: #00a0e3; color: white; padding: 5px; text-align: center;"> <b>Career and Technical Education Recommended Pathway Courses</b>                      (Students may select individual courses for exploration, or a complete Pathway for an in-depth focus.)  <b>CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL</b> </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="background-color: #00a0e3; color: white;">Course #</th> <th style="background-color: #00a0e3; color: white;">Foundation Courses: (required)</th> <th style="background-color: #00a0e3; color: white;">Credit</th> </tr> </thead> <tbody> <tr> <td>51.0801</td> <td>Medical Assistant</td> <td>2.00</td> </tr> <tr> <td colspan="3" style="text-align: center;"><b>Elective Courses:</b></td> </tr> <tr> <td>51.0001</td> <td>Health Science, Introduction *</td> <td>.50</td> </tr> <tr> <td>51.1399</td> <td>Medical Anatomy &amp; 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>51.1199</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 style="font-size: small; margin-top: 5px;">* It is preferred that this course be taken prior to any foundation course.</p>					Course #	Foundation Courses: (required)	Credit	51.0801	Medical Assistant	2.00	<b>Elective Courses:</b>			51.0001	Health Science, Introduction *	.50	51.1399	Medical Anatomy & Physiology	1.00	51.0799	Medical Terminology	.50	51.9999	Medical Math	.50	51.1199	Health Science, Advanced (capstone course)	1.00	32.0199	Student Internship (Critical Workplace Skills)	.50
Course #	Foundation Courses: (required)	Credit																																	
51.0801	Medical Assistant	2.00																																	
<b>Elective Courses:</b>																																			
51.0001	Health Science, Introduction *	.50																																	
51.1399	Medical Anatomy & Physiology	1.00																																	
51.0799	Medical Terminology	.50																																	
51.9999	Medical Math	.50																																	
51.1199	Health Science, Advanced (capstone course)	1.00																																	
32.0199	Student Internship (Critical Workplace Skills)	.50																																	
<b>Workforce Trends</b> A growing and aging population and technological advances in medicine make this one of the fastest growing occupations, having an expected job growth of 35% through the year 2016. <b>Get the Facts</b> Approximately 62% of all medical assistants work in a physician's office.		Core Curriculum and elective requirements may vary district to district. Check with your school counselor.  Concurrent enrollment course offerings vary by school and district.		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.																															

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

# High School to College and Career Pathway: Secondary

Area of Study: Health Science Education



## Pathway: Therapeutic Services Nursing

Middle School		State Requirements			High School Suggested Education Plan				College & Careers																																							
7 <sup>th</sup> Grade	8 <sup>th</sup> Grade	Middle School	High School	9 <sup>th</sup> Grade Suggested	10 <sup>th</sup> Grade Suggested	11 <sup>th</sup> Grade Suggested	12 <sup>th</sup> Grade Suggested	Beyond High School																																								
Language Arts 7 1.0	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"> <li>&gt; Certificate</li> <li>&gt; Associate degree</li> <li>&gt; Bachelor's degree</li> <li>&gt; Professional degree</li> <li>&gt; On-the-job training</li> <li>&gt; Apprenticeship</li> <li>&gt; Military training</li> </ul> <p><b>Nursing is:</b></p> <ul style="list-style-type: none"> <li>&gt; High skill</li> <li>&gt; High demand</li> <li>&gt; Nontraditional for males</li> </ul> <p><b>Sample Occupations</b></p> <ul style="list-style-type: none"> <li>&gt; Advanced Practice Nurse (APN)</li> <li>&gt; Certified Nurse Assistant (CNA)</li> <li>&gt; Certified Nurse Midwife (CNM)</li> <li>&gt; Certified Registered Nurse Anesthetist (CRNA)</li> <li>&gt; Health Science Education Teacher</li> <li>&gt; Licensed Practical Nurse (LPN)</li> <li>&gt; Medical Assistant</li> <li>&gt; Registered Nurse (RN)</li> </ul> <p>For more information on salary projections, labor market demand, and training options, visit <a href="http://www.utahfutures.org">www.utahfutures.org</a>.</p>																																								
Pre-Algebra 1.0	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 or Statistics 1.00																																										
Science .50	Science 1.00	1.50	Science 3.00	Earth Sys. 1.00	Biology or Human Biology 1.00	Chemistry 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><b>Workforce Trends</b> Health care is the largest and fastest-growing industry in the United States, employing over 10 million workers in more than 200 careers.</p> <p><b>Get the Facts</b> In the U.S., registered nurses held approximately 2.5 million jobs in 2006, making registered nursing the largest health care occupation. About 3 out of 5 RN jobs are in hospitals, in inpatient and outpatient departments.</p>		<p>Core Curriculum and elective requirements may vary district to district. Check with your school counselor.</p> <p>Concurrent enrollment course offerings vary by school and district.</p>		<p><b>Career and Technical Education Recommended Pathway Courses</b> (Students may select individual courses for exploration, or a complete Pathway for an in-depth focus.)</p> <p><b>CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL</b></p> <table border="1"> <thead> <tr> <th>Course #</th> <th>Foundation Courses: (required)</th> <th>Credit</th> </tr> </thead> <tbody> <tr> <td>51.0799</td> <td>Medical Terminology</td> <td>.50</td> </tr> <tr> <td>51.1614</td> <td>Nurse Assistant</td> <td>.50</td> </tr> <tr> <td colspan="3"><b>Elective Courses:</b></td> </tr> <tr> <td>51.0001</td> <td>Health Science, Introduction *</td> <td>.50</td> </tr> <tr> <td>20.0108</td> <td>Food &amp; Nutrition I</td> <td>.50</td> </tr> <tr> <td>20.0118</td> <td>Food &amp; Nutrition II</td> <td>.50</td> </tr> <tr> <td>20.0138</td> <td>Foundations of Nutrition</td> <td>.50</td> </tr> <tr> <td>51.1199</td> <td>Health Science, Advanced (capstone course)</td> <td>1.00</td> </tr> <tr> <td>20.0112</td> <td>Human Development</td> <td>1.00</td> </tr> <tr> <td>51.1399</td> <td>Medical Anatomy &amp; Physiology</td> <td>1.00</td> </tr> <tr> <td>51.9999</td> <td>Medical Math</td> <td>.50</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>					Course #	Foundation Courses: (required)	Credit	51.0799	Medical Terminology	.50	51.1614	Nurse Assistant	.50	<b>Elective Courses:</b>			51.0001	Health Science, Introduction *	.50	20.0108	Food & Nutrition I	.50	20.0118	Food & Nutrition II	.50	20.0138	Foundations of Nutrition	.50	51.1199	Health Science, Advanced (capstone course)	1.00	20.0112	Human Development	1.00	51.1399	Medical Anatomy & Physiology	1.00	51.9999	Medical Math	.50	32.0199	Student Internship (Critical Workplace Skills)	.50	<p>1.00 credit</p> <p>2.00 credits</p> <p>3.00 credits for completion</p>
Course #	Foundation Courses: (required)	Credit																																														
51.0799	Medical Terminology	.50																																														
51.1614	Nurse Assistant	.50																																														
<b>Elective Courses:</b>																																																
51.0001	Health Science, Introduction *	.50																																														
20.0108	Food & Nutrition I	.50																																														
20.0118	Food & Nutrition II	.50																																														
20.0138	Foundations of Nutrition	.50																																														
51.1199	Health Science, Advanced (capstone course)	1.00																																														
20.0112	Human Development	1.00																																														
51.1399	Medical Anatomy & Physiology	1.00																																														
51.9999	Medical Math	.50																																														
32.0199	Student Internship (Critical Workplace Skills)	.50																																														
<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>																																																

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

# High School to College and Career Pathway: Secondary

Area of Study: Health Science Education



## Pathway: Therapeutic Services Pharmacy

Middle School		State Requirements			High School Suggested Education Plan				College & Careers																									
7 <sup>th</sup> Grade	8 <sup>th</sup> Grade	Middle School	High School	9 <sup>th</sup> Grade Suggested	10 <sup>th</sup> Grade Suggested	11 <sup>th</sup> Grade Suggested	12 <sup>th</sup> 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"> <li>&gt; Certificate</li> <li>&gt; Associate degree</li> <li>&gt; Bachelor's degree</li> <li>&gt; Professional degree</li> <li>&gt; On-the-job training</li> <li>&gt; Apprenticeship</li> <li>&gt; Military training</li> </ul> <p><b>Pharmacy is:</b></p> <ul style="list-style-type: none"> <li>&gt; High skill</li> <li>&gt; High demand</li> <li>&gt; Nontraditional for males</li> </ul> <p><b>Sample Occupations</b></p> <ul style="list-style-type: none"> <li>&gt; Health Science Education Teacher</li> <li>&gt; Pharmacy Aide</li> <li>&gt; Pharmacy Technician</li> <li>&gt; Pharmacist</li> </ul> <p>For more information on salary projections, labor market demand, and training options, visit <a href="http://www.utahfutures.org">www.utahfutures.org</a>.</p>																										
Pre-Algebra 1.00	Elem. Algebra or Applied Math 1.00	2.00	Math 3.00	Geometry 1.00	Intermediate Algebra 1.00	Pre-calculus 1.00	Calculus or Statistics 1.00																											
Science .50	Science 1.00	1.50	Science 3.00	Biology or Human Biology 1.00	Chemistry 1.00	Physics 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	<b>Career and Technical Education Recommended Pathway Courses</b> (Students may select individual courses for exploration, or a complete Pathway for an in-depth focus.) <b>CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL</b>			2.00 credits  1.00 credit  <hr style="border: 1px solid black;"/> 3.00 credits for completion																											
<b>Workforce Trends</b> <u>Pharmacy Technician:</u> With increased medical needs of an aging population and additional tasks given to pharmacy techs., many job opportunities will be created, especially for those with formal training and certification. <u>Pharmacist:</u> New opportunities are emerging for pharmacists in managed care organizations, where they analyze trends and patterns in medication use, and in pharmacoeconomics—the cost and benefit analysis of different drug therapies.  <b>Get the Facts</b> Pharmaceutical makers are accustomed to a research-to-market cycle of as long as 10 years in order to discover, develop and commercially launch a new drug.		Core Curriculum and elective requirements may vary district to district. Check with your school counselor.  Concurrent enrollment course offerings vary by school and district.  In Utah, a pharmacist must be licensed.		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #00aaff; color: white;">Course #</th> <th style="background-color: #00aaff; color: white;">Foundation Courses: (required)</th> <th style="background-color: #00aaff; color: white;">Credit</th> </tr> </thead> <tbody> <tr> <td>51.0805</td> <td>Pharmacy Technician</td> <td>2.00</td> </tr> <tr> <td colspan="3" style="background-color: #00aaff; color: white;"><b>Elective Courses:</b></td> </tr> <tr> <td>51.0001</td> <td>Health Science, Introduction *</td> <td>.50</td> </tr> <tr> <td>51.1399</td> <td>Medical Anatomy &amp; 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>51.1199</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>					Course #	Foundation Courses: (required)	Credit	51.0805	Pharmacy Technician	2.00	<b>Elective Courses:</b>			51.0001	Health Science, Introduction *	.50	51.1399	Medical Anatomy & Physiology	1.00	51.0799	Medical Terminology	.50	51.9999	Medical Math	.50	51.1199	Health Science, Advanced (capstone course)	1.00	32.0199	Student Internship (Critical Workplace Skills)
Course #	Foundation Courses: (required)	Credit																																
51.0805	Pharmacy Technician	2.00																																
<b>Elective Courses:</b>																																		
51.0001	Health Science, Introduction *	.50																																
51.1399	Medical Anatomy & Physiology	1.00																																
51.0799	Medical Terminology	.50																																
51.9999	Medical Math	.50																																
51.1199	Health Science, Advanced (capstone course)	1.00																																
32.0199	Student Internship (Critical Workplace Skills)	.50																																
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.																																		

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

# High School to College and Career Pathway: Secondary

Area of Study: Health Science Education



## Pathway: Therapeutic Services Surgical Technician

Middle School		State Requirements			High School Suggested Education Plan				College & Careers																										
7 <sup>th</sup> Grade	8 <sup>th</sup> Grade	Middle School	High School	9 <sup>th</sup> Grade Suggested	10 <sup>th</sup> Grade Suggested	11 <sup>th</sup> Grade Suggested	12 <sup>th</sup> 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"> <li>&gt; Certificate</li> <li>&gt; Associate degree</li> <li>&gt; Bachelor's degree</li> <li>&gt; Professional degree</li> <li>&gt; On-the-job training</li> <li>&gt; Apprenticeship</li> <li>&gt; Military training</li> </ul> <p><b>Surgical Technician is:</b></p> <ul style="list-style-type: none"> <li>&gt; High skill</li> <li>&gt; High demand</li> <li>&gt; Nontraditional for males</li> </ul> <p><b>Sample Occupation</b></p> <ul style="list-style-type: none"> <li>&gt; Health Science Education Teacher</li> <li>&gt; Surgical Technician</li> </ul> <p>For more information on salary projections, labor market demand, and training options, visit <a href="http://www.utahfutures.org">www.utahfutures.org</a>.</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																													
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 .5	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><b>Workforce Trends</b> Demand for surgical technicians will rise as the population ages and as new technologies allow for more and varied surgeries. Hospitals will remain the primary employer, but physician offices and clinics, including ambulatory surgical centers, will provide most new jobs.</p> <p><b>Get the Facts</b> Surgical technicians are commonly referred to as "scrubs." More than three-fourths of scrubs work in a hospital setting, with the exception of private scrubs who are employed directly by surgeons for special teams – like transplant work.</p>		<p>Core Curriculum and elective requirements may vary district to district. Check with your school counselor.</p> <p>Concurrent enrollment course offerings vary by school and district.</p>		<p><b>Career and Technical Education Recommended Pathway Courses</b> (Students may select individual courses for exploration, or a complete Pathway for an in-depth focus.) <b>CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL</b></p> <table border="1"> <thead> <tr> <th>Course #</th> <th>Foundation Courses: (required)</th> <th>Credit</th> </tr> </thead> <tbody> <tr> <td>51.0909</td> <td>Surgical Technician</td> <td>2.00</td> </tr> <tr> <td colspan="3"><b>Elective Courses:</b></td> </tr> <tr> <td>51.0001</td> <td>Health Science, Introduction *</td> <td>.50</td> </tr> <tr> <td>51.1399</td> <td>Medical Anatomy &amp; 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>51.1199</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	51.0909	Surgical Technician	2.00	<b>Elective Courses:</b>			51.0001	Health Science, Introduction *	.50	51.1399	Medical Anatomy & Physiology	1.00	51.0799	Medical Terminology	.50	51.9999	Medical Math	.50	51.1199	Health Science, Advanced (capstone course)	1.00	32.0199	Student Internship (Critical Workplace Skills)	.50
Course #	Foundation Courses: (required)	Credit																																	
51.0909	Surgical Technician	2.00																																	
<b>Elective Courses:</b>																																			
51.0001	Health Science, Introduction *	.50																																	
51.1399	Medical Anatomy & Physiology	1.00																																	
51.0799	Medical Terminology	.50																																	
51.9999	Medical Math	.50																																	
51.1199	Health Science, Advanced (capstone course)	1.00																																	
32.0199	Student Internship (Critical Workplace Skills)	.50																																	
				<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>																															

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

# High School to College and Career Pathway: Secondary

Area of Study: Health Science Education



## Pathway: Therapeutic Services Therapeutic Rehabilitation/Exercise

Middle School		State Requirements			High School Suggested Education Plan				College & Careers																										
7 <sup>th</sup> Grade	8 <sup>th</sup> Grade	Middle School	High School	9 <sup>th</sup> Grade Suggested	10 <sup>th</sup> Grade Suggested	11 <sup>th</sup> Grade Suggested	12 <sup>th</sup> 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"> <li>&gt; Certificate</li> <li>&gt; Associate degree</li> <li>&gt; Bachelor's degree</li> <li>&gt; Professional degree</li> <li>&gt; On-the-job training</li> <li>&gt; Apprenticeship</li> <li>&gt; Military training</li> </ul> <p><b>Therapeutic Rehabilitation/Exercise is:</b></p> <ul style="list-style-type: none"> <li>&gt; High skill</li> <li>&gt; High wage</li> <li>&gt; High demand</li> </ul> <p><b>Sample Occupations</b></p> <ul style="list-style-type: none"> <li>&gt; Athletic Trainer</li> <li>&gt; Chiropractor</li> <li>&gt; Health Science Education Teacher</li> <li>&gt; Occupational Therapist</li> <li>&gt; Occupational Therapist Aide</li> <li>&gt; Occupational Therapist Assistant</li> <li>&gt; Physical Therapist</li> <li>&gt; Physical Therapist Aide</li> <li>&gt; Physical Therapist Assistant</li> <li>&gt; Massage Therapist</li> <li>&gt; Physician</li> <li>&gt; Physician Assistant</li> </ul> <p>For more information on salary projections, labor market demand, and training options, visit <a href="http://www.utahfutures.org">www.utahfutures.org</a>.</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 or Statistics 1.00																													
Science .50	Science 1.00	1.50	Science 3.00	Biological 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><b>Career and Technical Education Recommended Pathway Courses</b></p> <p>(Students may select individual courses for exploration, or a complete Pathway for an in-depth focus.)</p> <p><b>CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL</b></p> <table border="1"> <thead> <tr> <th>Course #</th> <th>Foundation Courses: (required)</th> <th>Credit</th> </tr> </thead> <tbody> <tr> <td>51.0913</td> <td>Exercise Science/Sports Medicine</td> <td>1.00</td> </tr> <tr> <td>51.1399</td> <td>Medical Anatomy &amp; Physiology</td> <td>1.00</td> </tr> <tr> <td colspan="3"><b>Elective Courses:</b></td> </tr> <tr> <td>51.0001</td> <td>Health Science, Introduction *</td> <td>.50</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>51.1199</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> <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>					Course #	Foundation Courses: (required)	Credit	51.0913	Exercise Science/Sports Medicine	1.00	51.1399	Medical Anatomy & Physiology	1.00	<b>Elective Courses:</b>			51.0001	Health Science, Introduction *	.50	51.0799	Medical Terminology	.50	51.9999	Medical Math	.50	51.1199	Health Science, Advanced (capstone course)	1.00	32.0199	Student Internship (Critical Workplace Skills)	.50
Course #	Foundation Courses: (required)	Credit																																	
51.0913	Exercise Science/Sports Medicine	1.00																																	
51.1399	Medical Anatomy & Physiology	1.00																																	
<b>Elective Courses:</b>																																			
51.0001	Health Science, Introduction *	.50																																	
51.0799	Medical Terminology	.50																																	
51.9999	Medical Math	.50																																	
51.1199	Health Science, Advanced (capstone course)	1.00																																	
32.0199	Student Internship (Critical Workplace Skills)	.50																																	
<p><b>Workforce Trends</b></p> <p>Job growth will be concentrated in health care industry settings, such as ambulatory health care services and hospitals.</p> <p><b>Get the Facts</b></p> <p>Physical Therapy is ranked among the top 10 fields, and is expected to remain a top field well into the 21<sup>st</sup> century.</p> <p>In Utah, an athletic trainer, physical therapist, physician, and physician assistant must be licensed.</p>		<p>Core Curriculum and elective requirements may vary district to district. Check with your school counselor.</p> <p>Concurrent enrollment course offerings vary by school and district.</p>																																	

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