

# 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<br>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>51.0799</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> <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 |
| 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  |                                     |  |  |                                  |                                     |   |                   |                                |        |         |                     |     |         |                 |     |                          |  |  |         |                                |     |         |                    |     |         |                     |     |         |                          |     |         |  |      |         |                   |      |         |                              |      |         |              |     |         |  |     |
| <b>Workforce Trends</b><br>Health care is the largest and fastest-growing industry in the United States, employing over 10 million workers in more than 200 careers.  |  | <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> |                                  |                                     |   |                   |                                |        |         |                     |     |         |                 |     |                          |  |  |         |                                |     |         |                    |     |         |                     |     |         |                          |     |         |  |      |         |                   |      |         |                              |      |         |              |     |         |  |     |
| <b>Get the Facts</b><br>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. |  |  |                                     |  |  |                                  |                                     |   |                   |                                |        |         |                     |     |         |                 |     |                          |  |  |         |                                |     |         |                    |     |         |                     |     |         |                          |     |         |  |      |         |                   |      |         |                              |      |         |              |     |         |  |     |

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