## Career Pathway: Health Professions

### CAREER AND TECHNICAL EDUCATION

Courses listed below provide a suggested sequence of courses for career and curriculum planning. Schools may offer additional courses beyond those listed within local Pathways.

<table>
<thead>
<tr>
<th>Course #</th>
<th>Foundation Courses (required)</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>14001</td>
<td>Exploration of Healthcare Occupations</td>
<td>.5</td>
</tr>
<tr>
<td>14002</td>
<td>Health Care Occupations—Comprehensive</td>
<td>1.0</td>
</tr>
<tr>
<td>14251</td>
<td>Health Science (Principles of Biomedical Science PLTW)</td>
<td>1.0</td>
</tr>
<tr>
<td>03053</td>
<td>Anatomy &amp; Physiology or PLTW Human Body Systems (03067)</td>
<td>.5</td>
</tr>
</tbody>
</table>

### Elective Courses

<table>
<thead>
<tr>
<th>Course #</th>
<th>Foundation Courses (required)</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>14051</td>
<td>Nursing (Nursing Assisting)</td>
<td>.50</td>
</tr>
<tr>
<td>14055</td>
<td>Emergency Medical Technology</td>
<td>.50</td>
</tr>
<tr>
<td>14062</td>
<td>Sports Medicine (Care of Athletes)</td>
<td>.50</td>
</tr>
<tr>
<td>14153</td>
<td>Medical Office Procedures</td>
<td>.50</td>
</tr>
<tr>
<td>14099</td>
<td>Therapeutic Services—Other (Med Prep III; Advanced Therapeutics)</td>
<td>.50</td>
</tr>
<tr>
<td>14152</td>
<td>Pharmacy Assisting</td>
<td>.50</td>
</tr>
<tr>
<td>14154</td>
<td>Medical Terminology</td>
<td>.50</td>
</tr>
<tr>
<td>14251</td>
<td>Health Science</td>
<td>1.0</td>
</tr>
<tr>
<td>03068</td>
<td>PLTW Medical Interventions</td>
<td>1.0</td>
</tr>
<tr>
<td>14252</td>
<td>Biotechnology (Biomedical Innovations PLTW)</td>
<td>1.0</td>
</tr>
<tr>
<td>14998</td>
<td>Health Care—Workplace Experience (pre-apprenticeships, internships)</td>
<td>.50</td>
</tr>
</tbody>
</table>

### Foundation courses taken beyond the required credits can be used as elective credits.

Any High School CTE course(s) required for graduation may count towards Pathway completion. Additional CTE Credits are recommended for Pathway completion.

### Course #

- Anatom Pathway Foundation Course .50/1.0
- Pathway Foundation Course .50/1.0
- Pathway Elective Course .50/1.0
- Pathway Elective Course .50/1.0
- Arts Courses .1.0
- Earth Science .10
- Biology .10
- Science Elective .
- P.E./Health .50
- Arts Courses
- Participation in a Pathway-related work-based learning experience
- HOSA-Future Health Professionals

### State Graduation Requirements

<table>
<thead>
<tr>
<th>Administrative Rules of Montana 10.55.905</th>
<th>9th Grade Suggested</th>
<th>10th Grade Suggested</th>
<th>11th Grade Suggested</th>
<th>12th Grade Suggested</th>
</tr>
</thead>
<tbody>
<tr>
<td>High School</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>English/Language Arts</td>
<td>4.0</td>
<td>English 9 1.0</td>
<td>English 10 1.0</td>
<td>English 11 1.0</td>
</tr>
<tr>
<td>Mathematics</td>
<td>2.0</td>
<td>Math* 1.0</td>
<td>Math* 1.0</td>
<td>Math* 1.0</td>
</tr>
<tr>
<td>Social Studies</td>
<td>2.0</td>
<td>Social Studies .50/1.0</td>
<td>Social Studies .50/1.0</td>
<td>U.S History .1.0</td>
</tr>
<tr>
<td>Science</td>
<td>2.0</td>
<td>Earth Science .10</td>
<td>Biology .10</td>
<td>Science Elective</td>
</tr>
<tr>
<td>Health Enhancement</td>
<td>1.0</td>
<td>P.E./Health .50</td>
<td>P.E./Health .50</td>
<td>P.E./Health Electives</td>
</tr>
<tr>
<td>Career and Technical Education</td>
<td>1.0</td>
<td>Pathway Foundation</td>
<td>Pathway Foundation</td>
<td>Pathway Elective</td>
</tr>
<tr>
<td>Work-Based Learning</td>
<td></td>
<td>Course .50/1.0</td>
<td>Course .50/1.0</td>
<td>Course .50/1.0</td>
</tr>
<tr>
<td>Career and Technical Student Organization</td>
<td>1.0</td>
<td>Participation in a Pathway-related work-based learning experience</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### College and Career

<table>
<thead>
<tr>
<th>Beyond High School</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>There are many options for education and training beyond high school, depending on your career goals.</td>
<td></td>
</tr>
<tr>
<td>• Certificate</td>
<td></td>
</tr>
<tr>
<td>• Associate degree</td>
<td></td>
</tr>
<tr>
<td>• Bachelor’s degree</td>
<td></td>
</tr>
<tr>
<td>• Professional degree</td>
<td></td>
</tr>
<tr>
<td>• On-the-job training</td>
<td></td>
</tr>
<tr>
<td>• Apprenticeship</td>
<td></td>
</tr>
<tr>
<td>• Military training</td>
<td></td>
</tr>
</tbody>
</table>

For more information on salary projections, labor market demand, and training options, visit lmi.mt.gov.

### Get the Facts

**Career and Technical Student Organization**
- HOSA-Future Health Professionals

**Workforce Trends**
- The growth in health care employment has been steady.
- Rapid job growth in health care is expected to continue in the future as Montana’s aging population continues to demand more health care services and as Montana’s overall population grows.

These trends present a great opportunity for students and job seekers to find employment in a high-demand and high-wage industry.

**Employment in Healthcare**
- Hourly wage for Registered Nurse is $29.41.
- Hourly wage for Surgical Technician is $35.81.
- Hourly wage for Physical Therapy Assistant is $30.73.
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- According to the Montana Department of Labor and Industry, the median hourly wage for occupations within Healthcare is $60,000.

**Rapid Growth in Health Care**
- Rapid growth in health care is expected to continue in the future as Montana’s aging population continues to demand more health care services and as Montana’s overall population grows.

**Health Care Occupations**
- Healthcare Administrator
- Medical Assistant
- Medical Doctor
- Medical Technologist
- Nurse
- Paramedic
- Pharmacist
- Physical Therapy Assistant
- Psychiatrist
- Radiologist
- Registered Nurse
- Surgical Technician

**Additional CTE Credits**
- Foundation courses taken beyond the required credits can be used as elective credits.
- Any High School CTE course(s) required for graduation may count towards Pathway completion.
- Additional CTE Credits are recommended for Pathway completion.

**Career Examples**

- Athletic Trainer
- Dentist
- Healthcare Administrator
- Health Information Officer
- Medical Assistant
- Medical Doctor
- Medical Technologist
- Nurse
- Paramedic
- Pharmacist
- Physical Therapy Assistant
- Psychiatrist
- Radiologist
- Registered Nurse
- Surgical Technician

**Department of Labor and Industry**
- According to the Montana Department of Labor and Industry, the median hourly wage for occupations within Healthcare is $60,000.

**High Skill; High Wage; In-Demand**
- High Skill; High Wage; In-Demand

**Military Training**
- Many CTE courses may qualify for dual enrollment credit, which in some cases may earn up to 1.0 credit toward Pathway completion. Talk to your school counselor about availability.

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**Salary Projections**
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**On-the-job training**
- Many CTE courses may qualify for dual enrollment credit, which in some cases may earn up to 1.0 credit toward Pathway completion. Talk to your school counselor about availability.

**Post-Secondary Campuses**
- Dual enrollment course offerings vary by school and district.
- Many Montana post-secondary programs accept high school courses toward a two- and four-year degree through dual enrollment. Check with post-secondary campuses for details.