



MONTANA CAREER PATHWAYS

Career and Technical Education



Area of Study: Health Science Education

Career Pathway: Health Professions

<p>Get the Facts The Health Professions Career Pathway prepares students for careers in the foundational skills to pursue careers in therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.</p> <p>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.</p> <p>These trends present a great opportunity for students and job seekers to find employment in a high-demand and high-wage industry.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr style="background-color: #000080; color: white;"> <th colspan="3">CAREER AND TECHNICAL EDUCATION</th> </tr> <tr style="background-color: #000080; color: white;"> <th colspan="3">Recommended Pathway Courses</th> </tr> <tr> <td colspan="3" style="text-align: center;">Students may select individual courses for exploration or a complete Pathway for an in-depth focus</td> </tr> <tr style="background-color: #000080; color: white;"> <th colspan="3">CLASS AVAILABILITY MAY VARY AT YOUR SCHOOL</th> </tr> <tr> <th style="width: 10%;">Course #</th> <th style="width: 70%;">Foundation Courses (required)</th> <th style="width: 20%;">Credit</th> </tr> <tr> <td>14001</td> <td>Exploration of Healthcare Occupations</td> <td style="text-align: center;">.5</td> </tr> <tr> <td>14002</td> <td>Health Care Occupations-Comprehensive</td> <td style="text-align: center;">1.0</td> </tr> <tr> <td>14251</td> <td>Principles of Biomedical Science (Project Lead the Way)</td> <td style="text-align: center;">1.0</td> </tr> <tr> <td>03053</td> <td>Anatomy & Physiology or Human Body Systems</td> <td style="text-align: center;">.5</td> </tr> <tr style="background-color: #000080; color: white;"> <th colspan="3">Elective Courses</th> </tr> <tr> <td>14051</td> <td>Nursing Assisting</td> <td style="text-align: center;">.50</td> </tr> <tr> <td>14055</td> <td>Emergency Medical Technology</td> <td style="text-align: center;">.50</td> </tr> <tr> <td>14062</td> <td>Care of Athletes</td> <td style="text-align: center;">.50</td> </tr> <tr> <td>14153</td> <td>Medical Office Procedures</td> <td style="text-align: center;">.50</td> </tr> <tr> <td>14099</td> <td>Med Prep III (Advanced Therapeutics)</td> <td style="text-align: center;">.50</td> </tr> <tr> <td>14152</td> <td>Pharmacy Assisting</td> <td style="text-align: center;">.50</td> </tr> <tr> <td>14154</td> <td>Medical Terminology</td> <td style="text-align: center;">.50</td> </tr> <tr> <td>14251</td> <td>Human Body Systems (Project Lead the Way)</td> <td style="text-align: center;">1.0</td> </tr> <tr> <td>14252</td> <td>Medical Interventions (Project Lead the Way)</td> <td style="text-align: center;">1.0</td> </tr> <tr> <td>14252</td> <td>Biomedical Innovations (Project Lead the Way)</td> <td style="text-align: center;">1.0</td> </tr> <tr> <td>14998</td> <td>Workplace Experience (pre-apprenticeships, internships)</td> <td style="text-align: center;">.50</td> </tr> <tr> <td colspan="2" style="text-align: center;">Foundation courses taken beyond the required credits can be used as elective credit. 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State Graduation Requirements	Suggested High School Plan of Study				College and Career	
High School <i>Administrative Rules of Montana 10.55.905</i>	9th Grade Suggested	10th Grade Suggested	11th Grade Suggested	12th Grade Suggested	<p>Beyond High School</p> <p>There are many 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>For more information on salary projections, labor market demand, and training options, visit lmi.mt.gov.</p>	
English/Language Arts	4.0	English 9 1.0	English 10 1.0	English 11 1.0		English 12 1.0
Mathematics	2.0	Math* 1.0	Math* 1.0	Math* 1.0		Math* 1.0
Social Studies	2.0	Social Studies* .50/1.0	Social Studies* .50/1.0	U.S History 1.0		U.S. Government 1.0
Science	2.0	Earth Science 1.0	Biology 1.0	Science Elective*		
Health Enhancement	1.0	P.E./Health* .50	P.E./Health* .50	P.E./Health Electives*		
Arts	1.0	Arts Courses* 1.0				
Career and Technical Education	1.0	Pathway Foundation Course .50/1.0	Pathway Foundation Course .50/1.0	Pathway Elective Course .50/1.0		Pathway Elective Course .50/1.0
Work-Based Learning		Participation in a Pathway-related work-based learning experience				
Career and Technical Student Organization		HOSA-Future Health Professionals				

<ul style="list-style-type: none"> • *Talk to your school counselor about requirements in the core curriculum. Core curriculum and elective requirements vary district to district. • 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. 	<ul style="list-style-type: none"> • 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.
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