



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>		CAREER AND TECHNICAL EDUCATION Recommended Pathway Courses				<p>Careers in Healthcare are:</p> <ul style="list-style-type: none"> High Skill; High Wage; In-Demand <p>Career Examples</p> <ul style="list-style-type: none"> 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 <p>According to the Montana Department of Labor and Industry, the median hourly wage for occupations within Healthcare is \$60,000.</p>																																																		
		<p>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.</p> <p>CLASS AVAILABILITY MAY VARY AT YOUR SCHOOL</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 10%;">Course #</th> <th style="width: 70%;">Foundation Courses (required)</th> <th style="width: 20%;">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 & Physiology or PLTW Human Body Systems (03067)</td> <td>.5</td> </tr> <tr> <td colspan="3" style="text-align: center;">Elective Courses</td> </tr> <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>	Course #	Foundation Courses (required)	Credit	14001	Exploration of Healthcare Occupations	.5	14002	Health Care Occupations—Comprehensive	1.0	14251	Health Science (Principles of Biomedical Science PLTW)	1.0	03053	Anatomy & Physiology or PLTW Human Body Systems (03067)	.5	Elective Courses			14051	Nursing (Nursing Assisting)	.50	14055	Emergency Medical Technology	.50	14062	Sports Medicine (Care of Athletes)	.50	14153	Medical Office Procedures	.50	14099	Therapeutic Services—Other (Med Prep III; Advanced Therapeutics)	.50	14152	Pharmacy Assisting	.50	14154	Medical Terminology	.50	14251	Health Science	1.0	03068	PLTW Medical Interventions	1.0	14252	Biotechnology (Biomedical Innovations PLTW)	1.0	14998	Health Care—Workplace Experience (pre-apprenticeships, internships)	.50	} 1.0 credit	} 1.0 credit	
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		<p>Foundation courses taken beyond the required credits can be used as elective credit. Any High School CTE course(s) required for graduation may count towards Pathway completion Additional CTE Credits are recommended for Pathway completion</p>	} 2.0 credits for completion																																																					

State Graduation Requirements	Suggested High School Plan of Study				College and Career	
High School <small>Administrative Rules of Montana 10.55.905</small>	9th Grade Suggested	10th Grade Suggested	11th Grade Suggested	12th Grade Suggested	Beyond High School	
English/Language Arts	4.0	English 9 1.0	English 10 1.0	English 11 1.0	English 12 1.0	<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>
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	1.0	Participation in a Pathway-related work-based learning experience				
Career and Technical Student Organization	1.0	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. 				