


<b>HIGH SCHOOL: Capital High School</b>		<b>BIG SKY PATHWAY PROPOSAL</b> 
<b>COLLEGE: Helena College</b>		
<b>COLLEGE DEGREE PROGRAM: Fire and Rescue Associate of Applied Technology</b>		
<b>Cluster Overview:</b> Planning, preparing and managing legal, public services, protective services, and homeland security, including professional, technical and support services.	<b>Pathway Options:</b> <ul style="list-style-type: none"> <li>• Correction Services</li> <li>• Emergency and Fire Management Services</li> <li>• Security and Protective Services</li> <li>• Law Enforcement Services</li> <li>• Legal Services</li> </ul>	<b>Occupation Examples:</b> Firefighter, Judge, Lawyer, Paralegal, Police Officer, Forest Fire Fighter, Probation and Parole Officer, Security Guard  <i>For a complete listing, go to:</i> <a href="http://online.onetcenter.org/find/career?c=12&amp;q=Go">http://online.onetcenter.org/find/career?c=12&amp;q=Go</a>

### SUGGESTED HIGH SCHOOL COURSES

<b>9th</b>	Graduation Requirements Workforce/2-Year College Prep	English I; Math I; Earth Science; World Cultures; Phys Ed I; Elective	<b>Recommended CTE Cluster Foundation Course(s):</b> Health Exploration or PBS Computer Applications
	4-Year MT College/Univ Prep (Rigorous Core)	English I, Algebra I, Math I, or II Honors, Earth Science, World Cultures, Phys Ed I	
	<b>CTE and/or Electives</b>	Principles of Biomedical Science	<b>Recommended CTE Pathway Courses:</b>
<b>10th</b>	Graduation Requirements Workforce/2-Year College Prep	English II; Math II; Biology; PE/Health; 3 electives	<b>Other Recommended CTE Courses:</b> Human Body Systems; Anatomy and Physiology Technical Math, Technical Writing, Personal Physical Fitness, CPR Training
	4-Year MT College/Univ Prep (Rigorous Core)	English II, Geometry, Math II Honors or Pre-Calc, Biology, PE/Health, Foreign Language	
	<b>CTE and/or Electives</b>	Human Body Systems	
<b>11th</b>	Graduation Requirements Workforce/2-Year College Prep	English III; Math III (or <b>M111T, Technical Math</b> ); Chemistry; US History, 3 electives	<b>Career &amp; Technical Student Organization(s):</b> HOSA
	4-Year MT College/Univ Prep (Rigorous Core)	English III, Algebra II, American History, Science (Chem I or Bio II), Foreign Language	
	<b>CTE and/or Electives</b>	Physical Fitness	
<b>12th</b>	Graduation Requirements Workforce/2-Year College Prep	English IV or <b>College Writing (WRIT101)</b> ; Physics, US Gov't, , Psychology, 2 electives (Physics recommended)	
	4-Year MT College/Univ Prep (Rigorous Core)	English IV or <b>College Writing (WRIT101)</b> , American Government, <b>College Algebra (M121)</b> , Science (Physics recommended) Foreign Language	
	<b>CTE and/or Electives</b>	Personal Physical Fitness	

### ADVANCED LEARNING OPPORTUNITIES

High School to College/Career Linkages

**Onsite afternoon, evening, or weekend college courses at Helena College:** EMT (EPC130) and Basic Wildland Firefighting (FIRE106)

**Advanced Placement or IB courses:** AP Psychology

**Dual Enrollment courses:** Technical Writing WRIT121T, M111T, Psychology (PSYX100) EMT ECP130 (under development)

**Online courses:** MTDA: Introduction to Health Occupations

**Other:** *Work Experience: Volunteer Fire Department*

### POSTSECONDARY PROGRAM OF STUDY (72 credits)

	<b>Math</b>	<b>English</b>	<b>Major</b>	<b>Other</b>
<b>Semester 1</b>	Technical Math M111T (3) or <b>College Algebra M121 (3)</b>		Emergency Medical Technician ECP130 (4) Intro to Fire Service FIRE101 (3) Fire Service II FIRE102 (3) Fire Fighter Safety FIRE103 (3)	Personal Physical Fitness I FIRE107 (1)

<b>Semester 2</b>			Wildland Fire Fighting FIRE106 (3) Hazardous Materials FIRE110 (3) Emergency Services Customer Service FIRE120 (2) Incident Command FIRE 121(1) Emergency Equipment Maintenance FIRE 125 (2) Fire Apparatus Operation FIRE130 (3) Fire Fighting Tactics and Strategies FIRE140 (3)	Personal Physical Fitness II FIRE108 (1)
<b>Semester 3</b>		<b>Intro to Tech Writing WRIT121T (3)</b>	Instructional Methodologies FIRE202 (2) Fire Protection Systems FIRE234 (3) Fire Inspection FIRE241 (3) Rescue FIRE242 (3) Fire Investigation FIRE260 (3) Building Construction FIRE261 (1)	
<b>Semester 4</b>			Aircraft Rescue & Fire Fighting Basic Training FIRE210 (ARFF) (2) Fire Streams FIRE215 (2) Fire Officer FIRE225 (2) Basic Wildland Supervision FIRE232 (2) Fire Ground Operations FIRE250 (2) Fire Prevention FIRE270 (3) Capstone FIRE288 or Internship (3)	Human Relations HR110T OR Fundamentals of Organizational Psychology PSYX161

## MONTANA POSTSECONDARY OPPORTUNITIES

*Montana University System Degree and Program Inventory: <http://www.homepage.montana.edu/~mus/drginv/>  
Your Guide to Montana's Certificate and Associate Degree Programs: <http://mus.edu/twoyear/YourGuide.html>*

<b>MSU Two Year Colleges and Programs:</b> City College MSUB—Billings (CC); Great Falls College MSU—Great Falls (GFC); Helena College UM—Helena (HC) Highlands College MT Tech—Butte(HC-Tech); Missoula College UM—Missoula (MC); Gallatin College MSU—Bozeman(GC)	<b>Community Colleges:</b> Dawson Community College (DCC) Flathead Valley Community College (FVCC) Miles Community College (MCC)	<b>Tribal Colleges:</b> Aaniiih Nakoda College (ANC);Blackfeet Community College(BCC); Chief Dull Knife College (CDKC);Fort Peck Community College (FPCC);Little Big Horn College (LBHC);Stone Child College (SCC);Salish Kootenai College (SKC)	<b>Four Year Colleges/Universities:</b> MSU—Bozeman; MSUB—Billings; MSUN—Havre; MT Tech—Butte; UM—Missoula; UMW—Dillon
<b>MILITARY</b>	<ul style="list-style-type: none"> <li>Requires diploma or GED</li> <li>17 with parental consent; 18 without</li> </ul>	Air Force, Air Guard, Army, Coast Guard, Marines, and Navy For more information: <a href="http://todaysmilitary.com">http://todaysmilitary.com</a>	
<b>PROFESSIONAL CERTIFICATE</b>	<ul style="list-style-type: none"> <li>Requires diploma or GED</li> <li>Less than 30 credits; little/no general ed credits</li> <li>Complete in one year or less</li> </ul>	Public Safety Communications — GFC Legal Support Specialist -- HC	
<b>APPRENTICESHIP</b>	<ul style="list-style-type: none"> <li>Requires diploma or GED</li> <li>Must be at least 18</li> <li>Minimum 2,000 hours of supervised experience</li> </ul>	See the MT Dept of Labor website for more information: <a href="http://wsd.dli.mt.gov/apprenticeship/default.asp">http://wsd.dli.mt.gov/apprenticeship/default.asp</a>	
<b>CERTIFICATE OF APPLIED SCIENCE</b>	<ul style="list-style-type: none"> <li>Requires diploma or GED</li> <li>30-45 credits; limited general education credits</li> <li>Complete in one year or less</li> </ul>	Correctional Officer — DCC Tribal Legal Studies — BCC	
<b>ASSOCIATE OF APPLIED SCIENCE DEGREE</b>	<ul style="list-style-type: none"> <li>Requires diploma or GED</li> <li>60-72 credits; includes 15-25 general ed credits</li> <li>Complete in two years (<i>if prepared academically in math and English</i>)</li> </ul>	Criminal Justice — DCC, FVCC Criminal Justice Peace Officer — DCC Criminal Justice Private Security — DCC Fire and Rescue Technology — HC, GFC Paralegal Studies — MC	
<b>BACCALAUREATE DEGREE</b>	<ul style="list-style-type: none"> <li>Requires 4-year college prep for admission</li> <li>128 credits (approximately)</li> <li>Complete in four years</li> </ul>	Criminal Justice — MSUB, MSUN Sociology/Criminology Option — UM	

*Degree and Program Inventory above may not be all inclusive*