Big Sky Pathway Approval Form

Requirements:
The Carl D. Perkins Career and Technical Education Act (Perkins IV), calls for states to offer career and technical programs of study as educational options to students and parents when planning for and completing future coursework. These programs:

- Incorporate and align secondary and postsecondary education elements and curriculum;
- Include academic and CTE content in a coordinated, non-duplicative progression;
- Offer the opportunity, where appropriate, for secondary students to postsecondary credits;
- Lead to an industry-recognized credential or certificate, or degree; and
- Include all state and local high school graduation requirements.

Career Cluster: Law, Public Safety, Security & Corrections
Pathway: Fire & Rescue

High School: Jefferson HS
and Helena College
10/30/2014 Seminar

Pathway Checklist

<table>
<thead>
<tr>
<th>Element</th>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Pathway includes all state and local graduation requirements preparing students for entry into a postsecondary program</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>2. Pathway identifies the appropriate secondary CTE, academic, and recommended elective courses offered by the high school which will prepare the student for college-level courses without remediation</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>3. Pathway outlines a non-duplicative sequence of courses from grades 9-12 and from secondary to postsecondary education</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>4. Pathway leads to an industry-recognized postsecondary credential, degree or employment</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>5. Curriculum between secondary and postsecondary institutions has aligned curriculum, using industry recognized standards or with input of local/regional business and industry. (May use Gap Analysis)</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>List National Standards or Local/Regional Business Here:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. Pathway includes dual enrollment, high school for college credit, and opportunities for industry-recognized credentials and work-based learning experiences when applicable</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>7. The pathway utilizes the guidance of a web-based career counseling system, or information regarding the pathway is available on the institution's website.</td>
<td>✓</td>
<td></td>
</tr>
</tbody>
</table>

Please Print Name and Sign to affirm criteria have been met and approve pathway:

High School Principal

Date: 2-19-15

High School Teacher

Date: 2-19-15

High School Counselor

Date: 2-19-15

College Academic Officer

Date: 2-9-15

College Instructor

Date: 10/23/15

OPI Approval

Date: 2-19-15

OCHE Approval

Date: 2-19-15

*The Pathway is approved, but the secondary teacher does not have an endorsement in Law, Public Safety, Security & Corrections, so students CANNOT earn CTE credit for the class. Credits must remain elective credit.
HIGH SCHOOL: Jefferson High School
COLLEGE: Helena College

COLLEGE DEGREE PROGRAM: Fire and Rescue Associate of Applied Technology

Cluster Overview:
Planning, preparing and managing legal, public services, protective services, and homeland security, including professional, technical and support services.

Pathway Options:
- Correction Services
- Emergency and Fire Management Services
- Security and Protective Services
- Law Enforcement Services
- Legal Services

Occupation Examples:
Firefighter, Judge, Lawyer, Paralegal, Police Officer, Forest Fire Fighter, Probation and Parole Officer, Security Guard

For a complete listing, go to:
http://online.onetcenter.org/find/career?c=12&q=Go

SUGGESTED HIGH SCHOOL COURSES

9th
Graduation Requirements
Workforce/2-Year College Prep
4-Year MT College/Univ Prep
(Rigorous Core)
CTE and/or Electives

English I, Algebra I, Biology
English I, Algebra I, Biology
Intro to Computers, Health and PE, Woods I, Small Engines

Recommended CTE Cluster Foundation Course(s):
Health & PE, Physical Science, Intro to Computers

10th
Graduation Requirements
Workforce/2-Year College Prep
4-Year MT College/Univ Prep
(Rigorous Core)
CTE and/or Electives

English II, Geometry, Physical Science, World History
English II, Geometry, Physical Science, World History
Health and PE, Woods II, Accounting I

Recommended CTE Pathway Courses:
Small Engines, Basic Wildland Firefighting, EMT, Personal Physical Fitness

11th
Graduation Requirements
Workforce/2-Year College Prep
4-Year MT College/Univ Prep
(Rigorous Core)
CTE and/or Electives

English III, Algebra II, Chemistry: American History, Fine Art
English III, Trig, Chemistry: American History, Fine Art
Advanced PE, Technical Drafting or Welding

Other Recommended CTE Courses:
Woods I & II, Drafting, Accounting, Crime and Justice, Welding

12th
Graduation Requirements
Workforce/2-Year College Prep
4-Year MT College/Univ Prep
(Rigorous Core)
CTE and/or Electives

Senior English or College Writing (WRIT 101), Gov't, Personal Finance, Elective
College Writing (WRIT 101), Calculus, Gov't, Personal Finance, Ecology
Personal Physical Fitness (FIRE107), Basic Wildland Firefighting (FIRE108), Crime & Justice

Career & Technical Student Organization(s):
HOSA

ADVANCED LEARNING OPPORTUNITIES
High School to College/Career Linkages

CTE START courses:

Advanced Placement or IB courses:

Dual Enrollment courses: WRIT101 College Writing, BIOB160 Principles of Living Systems, FIRE 106 Wildland Firefighting, FIRE 107, Personal Physical Fitness

Online courses: MTD: Introduction to Health Occupations, HR 110T Human Relations and Career Development

Other: Work Experience: Volunteer Fire Department; EMT Training as On-Campus Experience

POSTSECONDARY PROGRAM OF STUDY (72 credits)

<table>
<thead>
<tr>
<th>Semest er</th>
<th>Math</th>
<th>English</th>
<th>Major</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>13—Semester 1</td>
<td>Technical Math M111T (3) OR College Algebra M121 (3)</td>
<td></td>
<td>Emergency Medical Technician ECP130 (4) Intro to Fire Service FIRE101 (3) Fire Service II FIRE102 (3) Fire Fighter Safety FIRE103 (3)</td>
<td>Personal Physical Fitness I FIRE107 (1)</td>
</tr>
<tr>
<td>13—Semester 2</td>
<td></td>
<td></td>
<td>Wildland Fire Fighting FIRE106 (3) Hazardous Materials FIRE110 (3) Emergency Services Customer Service</td>
<td>Personal Physical Fitness II FIRE108 (1)</td>
</tr>
</tbody>
</table>

Law, Public Safety, Corrections & Security, page 1 of 2

January 2015
<table>
<thead>
<tr>
<th>14—Semester 1</th>
<th>14—Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intro to Tech Writing</td>
<td>Aircraft Rescue &amp; Fire Fighting Basic Training FIRE210 (ARFF) (2)</td>
</tr>
<tr>
<td>WRIT121T (3) OR College Writing WRIT101</td>
<td>Fire Streams FIRE215 (2)</td>
</tr>
<tr>
<td></td>
<td>Fire Officer FIRE225 (2)</td>
</tr>
<tr>
<td></td>
<td>Basic Wildland Supervision FIRE232 (2)</td>
</tr>
<tr>
<td></td>
<td>Fire Ground Operations FIRE250 (2)</td>
</tr>
<tr>
<td></td>
<td>Fire Prevention FIRE270 (3)</td>
</tr>
<tr>
<td></td>
<td>Capstone FIRE288 or Internship (3)</td>
</tr>
</tbody>
</table>

**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/kirgimv/](http://www.homepage.montana.edu/~mus/kirgimv/) Your Guide to Montana's Certificate and Associate Degree Programs: [http://mus.edu/twoyear/YourGuide.html](http://mus.edu/twoyear/YourGuide.html)_

<table>
<thead>
<tr>
<th>MSU Two Year Colleges and Programs:</th>
<th>Community Colleges:</th>
<th>Tribal Colleges:</th>
<th>Four Year Colleges/Universities:</th>
</tr>
</thead>
<tbody>
<tr>
<td>City College MSU—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)</td>
<td>Dawson Community College (DCC)</td>
<td>Aaniih 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)</td>
<td>MSU—Bozeman; MSUB—Billings; MSUN—Havre; MT Tech—Butte; UM—Missoula; UMW—Dillon</td>
</tr>
</tbody>
</table>

**MILITARY**

- Requires diploma or GED
- 17 with parental consent; 18 without

For more information: [http://todaysmilitary.com](http://todaysmilitary.com)

**PROFESSIONAL CERTIFICATE**

- Requires diploma or GED
- Less than 30 credits; little/no general ed credits
- Complete in one year or less

Public Safety Communications — GFC
Legal Support Specialist — HC

**APPRENTICESHIP**

- Requires diploma or GED
- Must be at least 18
- Minimum 2,000 hours of supervised experience


**CERTIFICATE OF APPLIED SCIENCE**

- Requires diploma or GED
- 30-45 credits; limited general education credits
- Complete in one year or less

Correctional Officer — DCC
Tribal Legal Studies — BCC

**ASSOCIATE OF APPLIED SCIENCE DEGREE**

- Requires diploma or GED
- 60-72 credits; includes 15-25 general ed credits
- Complete in two years (if prepared academically in math and English)

Criminal Justice — DCC, FVCC
Criminal Justice Peace Officer — DCC
Criminal Justice Private Security — DCC
Fire and Rescue Technology — HC, GFC
Paralegal Studies — MC

**BACCAULAUREATE DEGREE**

- Requires 4-year college prep for admission
- 128 credits (approximately)
- Complete in four years

Criminal Justice — MSUB, MSUN
Sociology/Criminology Option — UM

_Degree and Program Inventory above may not be all inclusive_