Request for Approval with Assurances
Montana Big Sky Pathways (Programs of Study)

The Carl D. Perkins Career and Technical Education Act of 2006 (Perkins IV) calls for states to offer "career and technical programs of study," known as Big Sky Pathways in Montana, as an option to students and their parents when planning for and completing future coursework. These programs, at a minimum, must:

- Incorporate and align secondary and postsecondary education elements,
- Include academic and CTE content in a coordinated, non-duplicative progression of courses,
- Offer the opportunity, where appropriate, for secondary students to acquire postsecondary credits, and
- Lead to an industry-recognized credential or certificate at the postsecondary level, or an associate or baccalaureate degree.

Assurances:

By my signature on this form, I assure that the proposed Big Sky Pathway submitted for approval by this high school/college satisfies the 10 stated requirements. For approval, all 10 requirements must be checked.

<table>
<thead>
<tr>
<th>Name of Big Sky Pathway (cluster level):</th>
<th>Construction / Carpentry / Architecture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of High School:</td>
<td>Augusta High School</td>
</tr>
<tr>
<td>Names of Secondary Lead Teacher and Counselor:</td>
<td>Kathy Milroy</td>
</tr>
<tr>
<td>Lead Teacher's email address:</td>
<td><a href="mailto:lovehmoody@hotmail.com">lovehmoody@hotmail.com</a></td>
</tr>
<tr>
<td>Lead Teacher's phone number:</td>
<td>406-599-3354</td>
</tr>
<tr>
<td>Name of College:</td>
<td>MSU Great Falls COT</td>
</tr>
<tr>
<td>Name of College Program:</td>
<td>Carpentry - Certificate of Applied Science</td>
</tr>
<tr>
<td>Name of College Lead Faculty Member:</td>
<td>Pat Schoener</td>
</tr>
</tbody>
</table>

Requirements for Approval

1. Includes all state and local graduation requirements  ✓
2. Identifies the appropriate secondary CTE, academic, and recommended elective courses offered by this high school which will prepare the student for college-level courses without remediation  ✓
3. Outlines a non-duplicative sequence of courses from grades 9-12 and from secondary to postsecondary education  ✓
4. Prepares students for entry into a postsecondary program or apprenticeship  ✓
5. Leads to an industry-recognized postsecondary credential, degree or employment  ✓
6. Includes appropriate state standards and/or industry skills standards: Identify standards used: ?
7. Aligns with an AAS program offered by a Montana college (college of technology, community college, tribal college, MSU-Northern)  ✓
8. Links with a web-based guidance delivery system such as MCIS  ✓
   If using something other than MCIS, please indicate:
9. When applicable, dual enrollment opportunities have been identified.  ✓
10. When applicable, Advanced Placement, IB courses and CTE START (statewide articulations) have been identified.

High School Principal's Signature: [Signature]  Date: 2/1/2011
H.S. Advisory Committee Member's Signature: [Signature]  Date: 2/1/2011
College Chief Academic Officer's Signature: [Signature]  Date: 2/1/2011
College Lead Faculty Member's Signature: [Signature]  Date: 2/1/2011

Please submit this Request for Approval form and a copy of the Big Sky Pathway Proposal to:
OPI, Career and Technical Education, P.O. Box 202501, Helena, Montana 59620-2501
OPI Specialist Approval: [Signature]  Date of Approval: 8-16-2011
OCHE Approval: [Signature]  Date of Approval: 14-2-2011

Both the college and the high school will receive a signed copy when the BSP is approved.

January 2011
**SUGGESTED HIGH SCHOOL COURSES**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Graduation Requirements</th>
<th>Workforce/2-Year College Prep</th>
<th>CTE and/or Electives</th>
<th>Recommended CTE Cluster Foundation Courses</th>
<th>Other Recommended CTE Courses</th>
<th>CTE Student Organization(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9th</td>
<td>Graduation Requirements</td>
<td>Workforce/2-Year College Prep</td>
<td>CTE and/or Electives</td>
<td>English, Physical Education, Computer Applications, Geometry, Earth Science, Foreign Language, Algebra I</td>
<td>Construction</td>
<td>SkillsUSA</td>
</tr>
<tr>
<td></td>
<td>4-Year MT College/Univ Prep</td>
<td>(Rigorous Core)</td>
<td>Basic Woods</td>
<td>Same as Above</td>
<td></td>
<td>HOSA</td>
</tr>
<tr>
<td>10th</td>
<td>Graduation Requirements</td>
<td>Workforce/2-Year College Prep</td>
<td>CTE and/or Electives</td>
<td>English, Physical Education, Geometry, History, Biology, Web Design</td>
<td>Construction</td>
<td>BPA</td>
</tr>
<tr>
<td></td>
<td>4-Year MT College/Univ Prep</td>
<td>(Rigorous Core)</td>
<td>Construction</td>
<td>Same as Above</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11th</td>
<td>Graduation Requirements</td>
<td>Workforce/2-Year College Prep</td>
<td>CTE and/or Electives</td>
<td>English, History, Algebra II, Family Consumer Science, Environmental Science, Foreign Language or Music</td>
<td>Advanced Woods</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4-Year MT College/Univ Prep</td>
<td>(Rigorous Core)</td>
<td>Advanced Woods</td>
<td>Same as Above</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12th</td>
<td>Graduation Requirements</td>
<td>Workforce/2-Year College Prep</td>
<td>CTE and/or Electives</td>
<td>English, Government, Chemistry/Physics, Advanced Math, Personal Finance, Elective of Choice</td>
<td>Drafting</td>
<td></td>
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<tr>
<td></td>
<td>4-Year MT College/Univ Prep</td>
<td>(Rigorous Core)</td>
<td>Drafting</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**ADVANCED LEARNING OPPORTUNITIES**

High School to College/Career Linkages

CTE START courses:

Advanced Placement or IB courses:

Dual Enrollment courses:

Online courses:

Other:

**POSTSECONDARY PROGRAM OF STUDY**

<table>
<thead>
<tr>
<th>13—Semester 1</th>
<th>Math</th>
<th>English</th>
<th>Major</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tech. Math</td>
<td></td>
<td></td>
<td>Carpentry – Associates Degree</td>
<td></td>
</tr>
<tr>
<td>M111</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13—Semester 2</td>
<td>WRIT 095</td>
<td></td>
<td>Carpentry – Associates Deg.</td>
<td></td>
</tr>
</tbody>
</table>
### MONTANA POSTSECONDARY OPPORTUNITIES

**Montana University System Degree and Program Inventory:** [http://www.homepage.montana.edu/~mus/dirqinv/YourGuide to Montana's Certificate and Associate Degree Programs: http://mus.edu/twoyear/YourGuide.html](http://www.homepage.montana.edu/~mus/dirqinv/YourGuide to Montana's Certificate and Associate Degree Programs: http://mus.edu/twoyear/YourGuide.html)

<table>
<thead>
<tr>
<th>Colleges of Technology:</th>
<th>Community Colleges:</th>
<th>Tribal Colleges:</th>
<th>Four Year Colleges/Universities:</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLCOT—Billings; GFCOT—Great Falls; HCOT—Helena; TECHCOT—Butte; UMCOT—Missoula; GCP—Bozeman</td>
<td>DCC—Glendive; FVCC—Kalispell; MCC—Missoula</td>
<td>BFCC—Browning; CDKC—Lame Deer; FBCC—Harlem; FPCC—Poplar; LBHC—Crow Agency; SCC—Powder River; SKC—Pablo</td>
<td>MSU—Bozeman; MSUB—Billings; MSUN—Havre; TECH—Butte; UM—Missoula; UMW—Dillon</td>
</tr>
</tbody>
</table>

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

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

#### 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

#### ASSOCIATE'S 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)

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

**Air Force, Air Guard, Army, Coast Guard, Marines, and Navy**
For more information: [http://todaysmilitary.com](http://todaysmilitary.com)

**Cabinet & Furniture Technology — FVCC**
Line Professional/Utility Line Worker — TECHCOT

Bricklayers, Building Maintenance Workers, Carpenters, Cement Masons, Electricians, Glaziers, Plumbers, Pipefitters, Roofers, Sheet Metal Workers, Tile Setters
See the MT Dept of Labor website for more information: [http://wsd.dii.mt.gov/apprenticeship/default.asp](http://wsd.dii.mt.gov/apprenticeship/default.asp)

Building Maintenance — UMCOT
Building Technology & Trades — FVCC, MCC, FPCC, BFCC
Carpentry — HCOT, UMCOT, TECH COT, GFCOT, MSUN, FBCOL
Construction Technology — SCC
Heating, Ventilation, Air Conditioning — FVCC
Line Professional/Utility Line Worker — FPCC
Plumbing Technology — FVCC

Building Technology & Trades — FVCC, MCC, FPCC
Carpentry — UMCOT, BLCOT, TECH COT, MSUN, FPCC
Construction Technology — HCOT, BFCC
Plumbing Technology — MSUN

Civil Engineering — TECH
Construction Engineering Technology — MSU
Environmental Design/Architecture — MSU

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Degree and Program inventory above may not be all inclusive