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/collage 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>Agriculture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of High School:</td>
<td>Powell County High School</td>
</tr>
<tr>
<td>Names of Secondary Lead Teacher and Counselor:</td>
<td>Bill Lombard</td>
</tr>
<tr>
<td>The Lead Secondary Teacher will be contacted if OPI has questions about this request</td>
<td>B Lombard @ PCHS. DL. K12. MT</td>
</tr>
<tr>
<td>Lead Teacher's email address:</td>
<td>406 - 896 - 2757 ex 30</td>
</tr>
<tr>
<td>Lead Teacher's phone number:</td>
<td>MSU - Northern</td>
</tr>
<tr>
<td>Name of College:</td>
<td>Ass. of Applied Science in Ag. Technology</td>
</tr>
<tr>
<td>Name of College Lead Faculty Member:</td>
<td>Tom Welde/Bill Lombard</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: Kerry Coleson  Date: 1-11-11
H.S. Advisory Committee Member's Signature:  Date: 1-10-11
College Chief Academic Officer's Signature:  Date: 1-26-11
College Lead Faculty Member's Signature:  Date: 1-26-11

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:  Date of Approval: 1-11-11
OGHE Approval:  Date of Approval: 1-26-11

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

Mail To: Bill Lombard

P.O. Box 25
508 Missouri
P.O. Box 59722

January 2011
# Powell County High School -- Career Plan

**Student Name**

**Parent/Guardian Signature**

**Date**

This plan of study should serve as a guide, along with other career planning materials, as you continue your career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each student's educational and career goals. All Plans must meet Powell County High School graduation requirements. The plan should also meet college/post-secondary entrance requirements.

### High School Courses

<table>
<thead>
<tr>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 9*</td>
<td>English 10*</td>
<td>English*- American Lit</td>
<td>English*- World Lit--Honors Lit.</td>
</tr>
<tr>
<td>Earth Science*</td>
<td>Alg. 2)</td>
<td>American History*</td>
<td>--College Comp. #</td>
</tr>
<tr>
<td>PE/Health*</td>
<td>Biology*</td>
<td>Government*</td>
<td>AP Calc. #</td>
</tr>
<tr>
<td>Keyboarding*</td>
<td>PE/Health*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>World History*</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Career Pathway Electives

<table>
<thead>
<tr>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Career Pathway Electives</td>
<td>Career Pathway Electives</td>
<td>Career Pathway Electives</td>
<td>Career Pathway Electives</td>
</tr>
<tr>
<td>Ag-Ed I</td>
<td>Ag-Ed I</td>
<td>Ag-Ed I</td>
<td>Ag-Ed I</td>
</tr>
<tr>
<td></td>
<td>Ag-Ed II</td>
<td>Ag-Ed II</td>
<td>Ag-Ed II</td>
</tr>
</tbody>
</table>

### Educational Requirements

<table>
<thead>
<tr>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>High School--graduation</td>
<td>MT University College Entrance</td>
<td>Four Year College Prep: English-4cr; Soc. Studies-3cr; Math-3cr (at least Alg. II); Science-2cr; Electives-2cr; Rigorous Core includes; additional Math-1cr; Elective-1cr</td>
<td>Acceptable Bachelor Degree within field, plus entrance exam</td>
</tr>
<tr>
<td>English-4cr; Math-3 cr; Science-2cr; American History-1cr; American Gov-1cr; Additional Soc. Studies-1/2 cr; Health-2cr; Fine Arts-1cr, Keyboarding-1/2 cr, Voc/Prac. Arts-1cr, Add. Elec.-9cr.</td>
<td>Varies from State to State: Four Year College Prep: English-4cr; Soc. Studies-3cr, Math-3cr (at least Alg. II); Science-2cr; For Lang.-2cr Electives-2cr; Rigorous Core includes; additional Math-1cr; Elective-1cr</td>
<td>Work At: Local farms/ranches, Golf</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Courses, Veterinarians, Stores/Shops,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Grant Kohrs, US Forest Service, DNRC</td>
</tr>
</tbody>
</table>

### Extra-Curricular Activities/Organizations

<table>
<thead>
<tr>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>FFA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SAE (supervised ag experience)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Required for Graduation from Powell County High School

# AP Tests available for college credit
# Montana Postsecondary Opportunities

**Montana University System Degree and Program Inventory:**

[http://www.homepage.montana.edu/~mus/drgrivv/](http://www.homepage.montana.edu/~mus/drgrivv/)

Your Guide to Montana's Certificate and Associate Degree Programs:

[http://mus.mt.edu/twoyour/YourGuide.html](http://mus.mt.edu/twoyour/YourGuide.html)

<table>
<thead>
<tr>
<th>College of Technology</th>
<th>Community College</th>
<th>Tribal College</th>
<th>Four Year College/University</th>
</tr>
</thead>
</table>

## Military Degree Requirement
- Requires diploma or GED
- 17 with parental consent; 18 without
- Air Force, Air Guard, Army, Coast Guard, Navy
- For more information: [http://todaysmilitary.com](http://todaysmilitary.com)
- Medical Receptionist—DCC

## Professional Certificate
- Requires diploma or GED
- Less than 30 credits; little/no general ed credits
- Complete in one year or less
- Medical Receptionist—DCC

## Apprenticeship
- Requires diploma or GED
- Must be at least 18
- Minimum 2,000 hours of supervised experience
- See the MT Dept of Labor website for more information: [http://www.dol.mt.gov/apprenticeship/default.asp](http://www.dol.mt.gov/apprenticeship/default.asp)

## Certificate of Applied Science
- Requires diploma or GED
- 30-45 credits; limited general education credits
- Complete in one year or less
- Office Assistant—BLCOT, TECHCOT, HCOT
- Office Support—GFCOT

## 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)
- Administrative Assistant—BLCOT, FVCC
- Business Administration—UMW
- Business Management/Entrepreneurship—GFCOT
- Business Technology—DCC
- Call Center Management—FVCC
- Executive/Legal Administrative Assistant—FVCC
- Human Resources Management—UMW, FVCC
- Office Admin & Technology—GFCOT
- Office Assistant—TECH COT
- Small Business Entrepreneurship Tech—HCOT
- Agribusiness—MSU
- Business Administration—MSUB, MSU, UM, UMW, MSUN
- Business/Entrepreneurship—SKC
- Business & Information Tech—TECH

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

## Cluster Overview:
Agribusiness management and sales career opportunities are available in every sector of the economy.

## Business Pathway Options:
- Animal Science
- Plant Science
- Ag mechanics
- Biotechnology
- Ag communications
- Ag education
- Ag sales

## Occupation Examples:
- Farm and ranch management, agribusiness, agrisciences, Forestry, soil science, Ag sales, Agriculture education

For a complete listing, go to:

[http://online.onetcenter.org/find/career?c=4&g=Go](http://online.onetcenter.org/find/career?c=4&g=Go)
# 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/twoyour/YourGuide.html

| MILITARY | • Requires diploma or GED
| 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

**Cluster Overview:**
Agribusiness management and sales career opportunities are available in every sector of the economy.

**Business Pathway Options:**
- Animal Science
- Plant Science
- Ag mechanisms
- Biotechnology
- Ag communications
- Ag education
- Ag sales

**Occupation Examples:**
- Farm and ranch management, agribusiness, agrisciences. Forestry, soil science. Ag sales. Agriculture education

For a complete listing, go to:
http://online.onetcenter.org/find/career?c=4&g=Go
### 5. Complete Postsecondary Program of Study

#### POSTSECONDARY PROGRAM OF STUDY

<table>
<thead>
<tr>
<th></th>
<th>Math</th>
<th>English</th>
<th>Major</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>13 Semester 1</td>
<td>WRIT 101</td>
<td>AG 101, AG 102</td>
<td>IT 100</td>
<td></td>
</tr>
<tr>
<td></td>
<td>AG 150</td>
<td>AG 125, AG 105</td>
<td>Advisor Approved</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Electives</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3 credits</td>
<td></td>
</tr>
<tr>
<td>13 Semester 2</td>
<td>M 111 Tech Math</td>
<td>SPCH 141</td>
<td>AG 218, AG 230</td>
<td>Advisor Approved</td>
</tr>
<tr>
<td></td>
<td>or M121 or M145</td>
<td>or SPCH 142</td>
<td>AG 245, AG 254</td>
<td>Electives</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>6 credits</td>
<td></td>
</tr>
<tr>
<td>14 Semester 1</td>
<td></td>
<td>AG 204, AG 244</td>
<td>Advisor Approved</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Electives</td>
<td></td>
</tr>
<tr>
<td>14 Semester 2</td>
<td></td>
<td></td>
<td>3 credits</td>
<td></td>
</tr>
</tbody>
</table>