Montana Big Sky Pathway
Request for Approval with Assurances

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.

<table>
<thead>
<tr>
<th>Name of High School:</th>
<th>Huntley Project Schools</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of Lead Teacher:</td>
<td>Sheila Schenk</td>
</tr>
<tr>
<td>Name of Counselor:</td>
<td>Kim Koenig</td>
</tr>
<tr>
<td>Lead Teacher’s email address:</td>
<td><a href="mailto:sschenk@huntleyk12.n.us">sschenk@huntleyk12.n.us</a></td>
</tr>
<tr>
<td>Phone number:</td>
<td>406-467-2540 x 403</td>
</tr>
<tr>
<td>Name of College:</td>
<td>OCP</td>
</tr>
<tr>
<td>Name of College Lead Faculty Member:</td>
<td>LeAnn Hoagland</td>
</tr>
</tbody>
</table>

Please check that the Big Sky Pathway meets all 10 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 credential or certificate at the postsecondary level, or an associate or baccalaureate degree
6. Includes appropriate state standards and/or industry skills standards.
7. Aligns with a program offered by a Montana two-year community college or college of technology.
8. Links with a web-based guidance delivery system such as MCIS.
9. When applicable, dual enrollment opportunities have been identified. This includes dual credit courses, and college-credit only courses offered at the high school, at the college, or online
10. When applicable, Advanced Placement courses and CTE statewide articulations have been identified.

By my signature below, I assure that the Big Sky Pathway submitted for approval by this high school meets all of the following criteria:

Principal’s Signature: [Signature] Date: 3-4-13
High School Advisory Committee Member’s Signature: [Signature] Date: 3-4-13
College Chief Academic Officer’s Signature: [Signature] Date:
College Advisory Committee Member’s Signature: [Signature] Date:

Please submit this Request for Approval with Assurances form and a copy of the Big Sky Pathway to:
OPI, Career and Technical Education, P.O. Box 202501, Helena, Montana 59620-2501

OPI Specialist Approval: [Signature] 12/17/2014
## HIGH SCHOOL: Huntley Project

**COLLEGE:** Dawson Community College  

**COLLEGE DEGREE PROGRAM:** Agribusiness Technology

### Cluster Overview:
Careers in the Agriculture, Food and Natural Resources cluster involve the planning, implementation, production, management, processing, and/or marketing of agricultural commodities and services.

### Pathway Options:
- Food Products and Processing Systems
- Plant Systems
- Animal Systems
- Power, Structural & Technical Systems
- Natural Resources Systems
- Environmental Service Systems
- Agribusiness Systems

### Occupation Examples:
- Agricultural Chemical Dealer
- Aquaculturalist
- Environmental Compliance-Assurance Manager
- Farm Manager
- Health and Safety Sanitarian
- Meat Cutter-Meat Grader
- Park Manager
- Produce Buyer
- Recycling Technician
- Wildlife Manager
- Botanist
- Agricultural Educator
- Ecologist
- Environmental Engineer
- Fish and Game Officer
- Bank Loan Officer
- Plant Pathologist
- Veterinarian

For a complete listing, go to:  
http://online.onetcenter.org/find/career?c=1&g=Go

### SUGGESTED HIGH SCHOOL COURSES

#### 9th Grade

**Graduation Requirements**  
- Workforce/2-Year College Prep
  - English I, Math, Earth Science (lab science), PE/Health 9, Current Events, and three years of the following: Career & Tech Ed/Fine Arts (band, choir, drama)/Foreign Language

**4-Year MT College/Univ Prep (Rigorous Core)**  
- English I, Algebra I, Earth Science (lab science), PE/Health 9, Current Events, and three years of the following: Career & Tech Ed/Fine Arts (band, choir, drama)/Foreign Language

**CTE and/or Electives**  
- Intro. To Agriculture, Computer Applications

#### 10th Grade

**Graduation Requirements**  
- Workforce/2-Year College Prep
  - English II, Math, Biology (lab science), Speech, PE/Health 10, and three years of the following: Career & Tech Ed/Fine Arts (band, choir, drama)/Foreign Language

**4-Year MT College/Univ Prep (Rigorous Core)**  
- English II, Geometry, Biology (lab science), Speech, PE/Health 10, World History, and three years of the following: Career & Tech Ed/Fine Arts (band, choir, drama)/Foreign Language

**CTE and/or Electives**  
- Introduction to Ag. Mechanics, Introduction to Business

#### 11th Grade

**Graduation Requirements**  
- Workforce/2-Year College Prep
  - English III, American History and three years of the following: Career & Tech Ed/Fine Arts (band, choir, drama)/Foreign Language

**4-Year MT College/Univ Prep (Rigorous Core)**  
- English III, American History, Algebra II, Physics or Chemistry, Probability and Statistics/Advanced Math, and three years of the following: Career & Tech Ed/Fine Arts (band, choir, drama)/Foreign Language

**CTE and/or Electives**  
- Ag. Communications/Marketing, Farm Management, Accounting I, Chemistry

**Other Recommended CTE Courses:**  
- Ag Science
- Natural Resources
- Equine Science
- Ag Business
- Adv. Ag Business
- Ag Communications/leadership
- 7th Grade Ag
- 8th Grade Ag

**CTE Student Organization(s):** FFA

### ADVANCED LEARNING OPPORTUNITIES

**High School to College/Career Linkages**

**CTE START courses:**
- Advanced Placement or IB courses:
- Dual Enrollment courses: N/A

**Online courses:** Available through Montana Digital Academy

**Other:** Supervised Agricultural Experience (SAE) and participation in appropriate FFA activities support and reinforce classroom and laboratory learning and should be a requirement for all students
MONTANA POSTSECONDARY OPPORTUNITIES

Montana University System Degree and Program Inventory: [http://www.homepage.montana.edu/~mus/drginv/](http://www.homepage.montana.edu/~mus/drginv/)
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>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; GF/COT—Great Falls; HCOT—Helena; TECHCOT—Butte; UC/COT—Missoula; GCP—Bozeman</td>
<td>DCC—Glendive; FVCC—Kalispell; MCC—Miles City</td>
<td>BFCC—Browning; CDKC—Lame Deer; FPCC—Poplar; LHBC—Crow Agency; SCC—Box Elder; 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
- Air Force, Air Guard, Army, Coast Guard, Marines, and Navy
- 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
- Agri-Mechanics Machinery/Technology — MSUN

**APPRENTICESHIP**
- Requires diploma or GED
- Must be at least 18
- Minimum 2,000 hours of supervised experience
- Farm Equipment Mechanics
- See the MT Dept of Labor website for more information: [http://wsd.dli.mt.gov/apprenticeship/default.asp](http://wsd.dli.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
- Agri-Business Technology — MCC
- Agri-Mechanics Machinery/Technology — DCC
- Livestock Technology — DCC
- Natural Resource Management — FVCC

**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)
- Agri-Business Technology — DCC
- Agri-Business Technology—Equitation — DCC
- Agricultural Science/Technology — MSUN
- Agri-Mechanics Machinery/Technology — MSUN, DCC
- Equine Studies — UMW, MCC
- Natural Horsemanship — UMW
- Natural Resource Management — FVCC, BFCC

**BACCALAUREATE DEGREE**
- Requires 4-year college prep for admission
- 128 credits (approximately)
- Complete in four years
- Agriculture Business — MSU
- Agriculture Education — MSU
- Animal Science — MSU
- Biotechnology — MSU
- Environmental Horticulture — MSU
- Environmental Sciences — MSU
- Land Rehabilitation — MSU
- Land Resource Sciences — MSU
- Natural Resources & Rangeland Technology — MSU
- Plant Science — MSU
- Sustainable Food & Bio-energy Systems — MSU
- Earth Sciences — MSU
- Biological Sciences — MSU
- Biology — UM
- Environmental Studies — UM
- Forestry — UM
- Resource Conservation — UM

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**POSTSECONDARY PROGRAM OF STUDY**

<table>
<thead>
<tr>
<th>Math</th>
<th>English</th>
<th>Major</th>
<th>Other</th>
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<tbody>
<tr>
<td>13—Semester 1</td>
<td>WRIT101</td>
<td>AG104, AG114, AG110, AG150 or AG278, AG140 or AG232</td>
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<tr>
<td>13—Semester 2</td>
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<td>CM110</td>
<td>AG111 or AG225, AG220</td>
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<tr>
<td>14—Semester 1</td>
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<td></td>
<td>AG150 or AG278, AG230, AG140 or AG232</td>
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<tr>
<td>14—Semester 2</td>
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<td>BIOO265, BIOO266, AG111 or AG225, SC209</td>
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</tbody>
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| Degree and Program Inventory above may not be all inclusive | Wildland Restoration — UM  
Wildlife Biology — UM  
Environmental Engineering — TECH  
Mining Engineering — TECH  
Geological Engineering — TECH  
Environmental Science — UMW, SKC  
Earth Science — UMW  
Environmental Science & Forestry — SKC |