# HIGH SCHOOL: Great Falls High School

**BIG SKY PATHWAY PROPOSAL**

**COLLEGE DEGREE PROGRAM:**

## Cluster Overview:
Jobs in the Transportation, Distribution, and Logistics career cluster involve the planning, management, and movement of people, materials, and goods by road, air, rail, and water, as well as related professional and technical support services such as transportation infrastructure planning and management; logistics services; and mobile equipment and facility maintenance.

## Pathway Options:
- Transportation Operations
- Logistics Planning and Management Services
- Warehousing & Distribution Center Operations
- Facility and Mobile Equipment Maintenance
- Transportation Systems/Infrastructure Planning, Management and Regulation
- Health, Safety and Environmental Management

## Occupation Examples:
- Dispatchers, Aircraft Mechanic, Airline Pilots, Air Traffic Controllers, Bus Drivers, Diesel Mechanics, Truck Drivers, Locomotive Engineers, Cargo and Freight Agents, Mass Transit Transportation Managers, Shipping and Receiving Clerks

*For a complete listing, go to:* [http://online.onetcenter.org/find/career?c=16&g=Go](http://online.onetcenter.org/find/career?c=16&g=Go)

## SUGGESTED HIGH SCHOOL COURSES

### 9th Grade
- Graduation Requirements: Workforce/2-Year College Prep
- Eng. 1-2, Math Alg. 1, Foundations of Science, World History Swimming/Health/PE.,
- 4-Year MT College/Univ Prep (Rigorous Core)
- **CTE and/or Electives**: Intro to IT
- Recommended CTE Cluster Foundation Course(s): Intro to IT

### 10th Grade
- Graduation Requirements: Workforce/2-Year College Prep
- Eng. 3-4, Math Geometry, Biology 1-2, Mt. government, Art Work Shop, Financial Tech.
- 4-Year MT College/Univ Prep (Rigorous Core)
- **CTE and/or Electives**: Power Tech. DC Electricity, Consumer Mechanics, Applied Physics
- Recommended CTE Pathway Courses: Power Tech. DC Electricity, Consumer Mechanics, Applied Physics

### 11th Grade
- Graduation Requirements: Workforce/2-Year College Prep
- Eng. 5-6, Algebra 2 Trig. Chemistry, Physics, Biology, US History Fine Art.
- 4-Year MT College/Univ Prep (Rigorous Core)
- **CTE and/or Electives**: Automotive Technology
- Other Recommended CTE Courses: Automotive Technology

### 12th Grade
- Graduation Requirements: Workforce/2-Year College Prep
- Eng. 7-8, US government, Advanced Biology, Art, Advanced Math, Physics
- 4-Year MT College/Univ Prep (Rigorous Core)
- **CTE and/or Electives**: Automotive Technology, Automotive ASE
- Career & Technical Student Organization(s): Automotive Technology Automotive ASE

## ADVANCED LEARNING OPPORTUNITIES

**High School to College/Career Linkages**

### CTE START courses:

**Advanced Placement or IB courses:**

**Dual Enrollment courses:**

**Online courses:** WRIT121 Intro to Tech Writing  M111T Technical Math

**Other:** work experience

## POSTSECONDARY PROGRAM OF STUDY (72 credits)

<table>
<thead>
<tr>
<th>Semester</th>
<th>Math</th>
<th>English</th>
<th>Major</th>
<th>Other</th>
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<tbody>
<tr>
<td>Semester 1</td>
<td>M111T Technical Math 3cr</td>
<td></td>
<td>AUTO104 Automotive Mechanics 2cr AST108 Auto Manual Drive Trains 6 AST130 Intro to Auto Electronics 7</td>
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<tr>
<td>Semester 2</td>
<td></td>
<td></td>
<td>AST160 Auto Engine Repair 6 AST172 Auto Heating/Air Conditioning 5 Electric/Electronics Systems II 4</td>
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*Transportation, Distribution, & Logistics, page 1 of 2 October 2012*
Degree and Program Inventory above may not be all inclusive