Transportation, Distribution, & Logistics Program of Study
Bismarck High School Career Cluster Program of Study

This Program of Study Template can 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 learner’s educational and career goals. **Ask your high school counselor to help you fill in the required courses you need to graduate.**

<table>
<thead>
<tr>
<th>Grade</th>
<th>English 8 semesters</th>
<th>Math 6 semesters</th>
<th>Science 6 semesters</th>
<th>Social Studies 6 semesters</th>
<th>Other Required Courses, Recommended Electives</th>
<th>Career &amp; Technical Courses and/or Degree Major Courses</th>
<th>SAMPLE Occupations Relating to this Pathway</th>
</tr>
</thead>
</table>
| 9     | Comm Arts I         | High School Math | High School Science| High School S.S.          | Personal Finance Computer Science Check with your high school counselor for additional course offerings | Ask your counselor about course options | ► Assembler  
► Boilermaker  
► Design Engineer  
► Environmental Engineer  
► Foundry Worker  
► Freight, Stock and Material Mover  
► Health and Safety Representative  
► Industrial Machinery Mechanic  
► Inspector  
► Labor Relations Manager  
► Logistician  
► Manufacturing Technician  
► Pattern and Model Maker  
► Production Manager  
► Quality Control Technician  
► Safety Engineer  
► SPC Coordinator  
► Tool and Diemaker  
► Traffic Manager  
► Welder |
| 10    | Comm Arts II        | High School Math | High School Science| High School S.S.          | Personal Finance Computer Science Check with your high school counselor for additional course offerings | Ask your counselor about course options | |
| 11    | Comm Arts III       | High School Math Pre-College Algebra | High School Science | High School S.S. – Government History | *Personal Finance  
*Computer Science  
(Available as Dual Enrollment) | *Unitec - Collision Repair Technology, Electronics Technology, Automotive Technology, Welding Technology  
*Ask your counselor about additional college course offerings  
*Farmington PLTW Courses | ► Unitec - Collision Repair Technology, Electronics Technology, Automotive Technology, Welding Technology  
► Ask your counselor about additional college course offerings  
► Farmington PLTW Courses |
| 12    | Senior Comm Arts & Comm Arts elective | High School Math Pre-College Algebra | High School Science | High School S.S – Government History | *Personal Finance  
*Computer Science  
(Available as Dual Enrollment) | *Unitec - Collision Repair Technology, Electronics Technology, Automotive Technology, Welding Technology  
*Ask your counselor about additional college course offerings  
*Farmington PLTW Courses | ► Unitec - Collision Repair Technology, Electronics Technology, Automotive Technology, Welding Technology  
► Ask your counselor about additional college course offerings  
► Farmington PLTW Courses |

*Dual Credit courses can often be substituted for high school credit. Check with your Counselor.  
*Dual Enrollment courses can be taken online or on a MAC campus.  
Assessments/Certifications: College Placement Assessments, Compass, ACT, SAT  
Clubs/Extracurricular Activities: Ask your Counselor what is available at your school.  
CTSO(s): □ FBLA □ FFA □ TSA □ Skills USA  
Work-Based Learning: □ After School Employment □ Internship/Mentorship □ Job Shadowing □ Service Learning □ Supervised Business Experience
Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

### Sample Career Specialties / Occupations

<table>
<thead>
<tr>
<th>Cluster Knowledge and Skills</th>
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</thead>
<tbody>
<tr>
<td>• Academic Foundations • Communications • Problem Solving and Critical Thinking • Information Technology Applications • Safety, Health and Environmental • Leadership and Teamwork • Ethics and Legal Responsibilities • Employability and Career Development • Technical Skills</td>
</tr>
</tbody>
</table>

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<tr>
<th>Pathways</th>
<th>Transportation Operations</th>
<th>Logistics Planning and Management Services</th>
<th>Warehousing and Distribution Center Operations</th>
<th>Facility and Mobile Equipment Maintenance</th>
<th>Transportation Systems/Infrastructure Planning, Management, and Regulation</th>
<th>Health, Safety and Environmental Management</th>
<th>Sales and Service</th>
</tr>
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