# Program of Study

**Career Field:** Industrial, Manufacturing, and Engineering Systems  
**Career Cluster:** Transportation, Distribution, and Logistics  
**Career Pathway:** Facility and Mobile Equipment Maintenance

## HIGH SCHOOL

<table>
<thead>
<tr>
<th>GRADE</th>
<th>ENGLISH</th>
<th>MATH</th>
<th>SCIENCE</th>
<th>SOCIAL STUDIES</th>
<th>GENERAL ELECTIVES</th>
<th>PATHWAY ELECTIVE COURSES</th>
<th>EXTENDED LEARNING SCHOOL/COMMUNITY ACTIVITIES</th>
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</table>
| 9     | English/Language Arts I | Algebra I | Physical Science | Geography | World Languages & Cultures  
Physical Education  
Health Education  
Entrepreneurship  
Automotive Repair  
Computer Aided Drafting (CAD)  
Diesel Mechanics  
Information Technology Applications I  
Welding | Intro to the Transportation, Distribution & Logistics Industry  
Mobile Equipment Preventative Maintenance Systems/Basic Care Mobile Equipment Maintenance & Repair |
| 10    | English/Language Arts II | Geometry | Biology | World History | | | School Activities: SkillsUSA, Ford/AAA Auto Skills, OPPD/NPPD, PowerDrive, DECA, FFA, Math Club  
Community Activities: Learn to drive a tractor or truck, Learn automotive repair and maintenance, Read automotive and mechanical magazines, Take Drivers Education, Learn to operate a forklift |
| 11    | English/Language Arts III | Algebra II | Chemistry | American History | | | |
| 12    | English/Language Arts IV | Intro to Statistics  
Descrete Math  
Pre-Calc | Physics | American Government or Economics | | | |

## COMMUNICATIONS

<table>
<thead>
<tr>
<th>COMMUNICATIONS</th>
<th>MATH/SCIENCE</th>
<th>SOCIAL SCI/ HUMANITIES</th>
<th>DEGREE REQUIREMENTS</th>
<th>FOCUS COURSES</th>
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</table>
| Public Speaking | Business Mathematics | Interpersonal Relations | Microsoft Applications | GM Shop Orientation & Safety  
GM Welding  
GM Fundamentals  
GM Electrical and Electronic Principles  
GM Brake Systems  
Dealer Cooperative Experience |
| Written Communications | Descriptive Physics | Personal Finance | Computer Literacy | GM Powertrain Electronic Systems  
GM Engine Repair  
GM Heating & Air Conditioning  
Dealer Cooperative Experience |
| 13 and 14 | | | | GM Rear Axle Service  
GM Advanced Powertrain Electronic Systems  
GM Diesel Fuel & Emission Control Systems  
Dealer Cooperative Experience  
GM Body Electrical & Electronics  
GM Automatic Transmission & Transaxles |

<table>
<thead>
<tr>
<th>SOUTHEAST COMMUNITY COLLEGE</th>
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<tbody>
<tr>
<td>13 and 14</td>
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<td>GM New Product Update</td>
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</tbody>
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Southeast Community College  
**DEGREE:**  
General Motors ASEP (Automotive Service Educational Program)  
2/11/2011