## Program of Study

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

### Western Nebraska Community College

**DEGREE:** Automotive Technology (AOS.4706D)  
[http://www.wncc.net/programs/majors/AUTO.html](http://www.wncc.net/programs/majors/AUTO.html)

### 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>
</tr>
</thead>
</table>
| 9     | English/Language Arts I | Algebra I | Physical Science | Geography | World Languages and Cultures  
Physical Education  
Health Education Entrepreneurship  
CAD (Computer Aided Drafting)  
Automotive Repair  
Diesel Mechanics Information Technology App. I  
Welding | Intro to the Transportation, Distribution and Logistics Industry  
Mobile Equipment Preventative Maintenance Systems/Basic Care  
Mobiel Equipment Maintenance and Repair | School Activities:  
SkillsUSA, OPPD/NPPD Power Drive, Ford/AAA Auto Skills, 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 |
| 10    | English/Language Arts II | Geometry | Biology | World History | | | |
| 11    | English/Language Arts III | Algebra II | Chemistry | American History | | | |
| 12    | English/Language Arts IV | Intro to Statistics  
Discrete Math  
Pre-Calc | Physics | American Government or Economics | | | |

### WNCC

<table>
<thead>
<tr>
<th>COMMUNICATIONS</th>
<th>MATH</th>
<th>SCIENCE</th>
<th>SOCIAL SCI/ HUMANITIES</th>
<th>DEGREE REQUIREMENTS</th>
<th>MAJOR COURSES</th>
</tr>
</thead>
</table>
| Business Communications | Business Mathematics | Science Elective Course | Any ANTH, ECON, GEOG, HIST, POLS, PSYC or SOCI class | Business Ethics  
Basic Welding Auto Body  
Automotive Internet & Computer Skills  
Specialized Electronics | Engine Rebuilding  
Engine Rebuilding II  
Automotive Suspension, Steering and Alignment  
Air Conditioning R12  
Air Conditioning R134A |
| Speech Communications | | | | Career Capstone  
Fuel Systems & Carburetion  
Automatic Transmissions & Manual Transaxles  
Manual Transmissions & Differential Axles | Automotive Brake Systems  
Automotive Anti-Lock Brake Systems  
Advanced Computer Systems  
Automotive Electrical Systems |
| | | | | Personal Finance  
Auto Parts & Service Advisor Specialist  
Electrical Tune-Up | Fuel Systems & Carburetion |

### 2/11/2011