Automotive Technology

Associate in Applied Science

Mission Statement:
The Automotive Technology Associate in Applied Science degree (Automotive Service Training Program (ASTP)) is a two-year associate degree program designed to prepare students to become proficient, entry-level automotive technicians. The program is certified by The National Automotive Technicians Education Foundation (NATEF). Graduates are encouraged to take the Automotive Service Excellence (ASE) exam in all eight areas of study after completion of the program. This program prepares graduates for employment in automotive dealerships and service centers.

Entrance Requirements:
Acceptable placement test score(s), plus high school diploma or equivalent

Type of Program:
Day

Professional Credential:
Automotive Service Excellence Technician (subject to passing exam)

Employment Opportunities:
Automotive service technician with a dealer or independent service organization

• This program trains students in the testing, diagnosis, and servicing of motor vehicles.

Recommended Program Schedule

<table>
<thead>
<tr>
<th>First Semester - Fall</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>AUT 122</td>
<td>Suspension and Alignment</td>
<td>4.0</td>
</tr>
<tr>
<td>AUT 132</td>
<td>Automotive Electricity</td>
<td>4.0</td>
</tr>
<tr>
<td>AUT 159</td>
<td>Tools, Equipment and Reference Manuals</td>
<td>3.0</td>
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<tr>
<td>COL 205</td>
<td>Leadership Seminar</td>
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<thead>
<tr>
<th>Second Semester - Spring</th>
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<tbody>
<tr>
<td>AUT 103</td>
<td>Engine Reconditioning</td>
<td>4.0</td>
</tr>
<tr>
<td>AUT 112</td>
<td>Braking Systems</td>
<td>4.0</td>
</tr>
<tr>
<td>AUT 231</td>
<td>Automotive Electronics</td>
<td>4.0</td>
</tr>
<tr>
<td>MAT 170</td>
<td>Algebra, Geometry and Trigonometry</td>
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<tr>
<th>Third Semester - Summer</th>
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<tbody>
<tr>
<td>AUT 149</td>
<td>Ignition and Fuel Systems</td>
<td>4.0</td>
</tr>
<tr>
<td>AUT 157</td>
<td>Shop Management and Supervision</td>
<td>3.0</td>
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<tr>
<td>AUT 241</td>
<td>Automotive Air Conditioning</td>
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<tr>
<td>ENG 165</td>
<td>Professional Communications</td>
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<th>Fourth Semester - Fall</th>
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<tbody>
<tr>
<td>AUT 116</td>
<td>Manual Transmission and Axle</td>
<td>4.0</td>
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<tr>
<td>AUT 232</td>
<td>Automotive Accessories</td>
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<tr>
<td>AUT 247</td>
<td>Electronic Fuel Systems</td>
<td>4.0</td>
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<tr>
<td>HSS 105</td>
<td>Technology and Culture</td>
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<td></td>
<td>General Education Elective</td>
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</tbody>
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### Fifth Semester - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AUT 107</td>
<td>Advanced Engine Repair</td>
<td>4.0</td>
</tr>
<tr>
<td>AUT 152</td>
<td>Automatic Transmission Overhaul</td>
<td>4.0</td>
</tr>
<tr>
<td>AUT 268</td>
<td>Special Topics in Automotive or</td>
<td>3.0</td>
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<tr>
<td>CWE 113</td>
<td>Cooperative Work Experience I</td>
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</tr>
<tr>
<td>PSY 103</td>
<td>Human Relations</td>
<td>3.0</td>
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**Total Required Credit Hours:** 73.0

*General education course

Visit [https://www.gvltc.edu/gainful-employment/](https://www.gvltc.edu/gainful-employment/) for important information about the educational debt, earnings and graduation rates of students who attended programs.