

## ASSOCIATE OF APPLIED SCIENCE DEGREE

### AUTOMOTIVE/HIGH PERFORMANCE TECHNOLOGY

**Length: 36 Months**

*Program length includes 14 break-weeks and class time for Review Math and Basic English if required.*

Students in this program will prepare for entry-level positions in the high performance industry by acquiring both the technical and management skills currently applicable to the industry. They will also take a core of general education courses to augment their technical education.

**MISSION STATEMENT:** The Automotive Department’s Mission is to provide our students with technical training according to the standards set by the ASE Education Foundation to enable our students to be a viable commodity in the automotive field. The High Performance Division’s mission is to provide our students with the competitive edge necessary to ensure their success by educating them in the most current technology and procedures being utilized in the high performance industry.

<u>Technical Requirements</u>	<u>Instructional Hours</u>	<u>Credit Hours</u>
AU116 Manual Drivetrains & Axles	120	6
AU117 Automatic Transmissions/Transaxle	120	6
AU118 Transportation Heating Ventilation Air Conditioning	120	6
AU122 Automotive Engine Diagnosis & Repair	120	6
AU123 Electrical & Electronics I	120	6
AU126 Suspension & Steering	120	6
AU127 Hydraulic Brake Systems	120	6
AU228 Electrical & Electronics II	120	6
AU230 Automotive Engine Performance	120	6
AU232 Computerized Engine Control Systems	120	6
HP105 High Performance Accessory Trends	120	6
HP110 High Performance Welding	120	6
HP130 High Performance Engine Machining	120	6
HP215 High Performance Fabrication	120	6
HP217 High Performance Suspension & Steering	120	6
HP228 High Performance Drive Lines	120	6
HP240 High Performance Fuel/Electronics/Ignition Systems	120	6
HP245 High Performance Custom Engine Building	120	6
UN295 Major Specific Capstone - Associate	<u>24</u>	<u>3</u>
<b>Total Technical Hours</b>	<b>2184</b>	<b>111</b>

<u>General Education &amp; Related Requirements</u>	<u>Instructional Hours</u>	<u>Credit Hours</u>
DP153 Digital Documents & Spreadsheets	36	3
CO179 Introduction to Human Communication	24	3
MH150 Technical Math	36	4
EN180 Composition I	48	5
PS274 The American Political Scene	24	3
PY177 Psychology	24	3
SC205 Earth Science	24	3
UN220 Introduction to Diversity Issues	24	3
MA234 Customer Relations Automated Management	48	3
EN200 Composition II	48	5
UN112 CoAT First-Year Experience	<u>11</u>	<u>2</u>
<b>Total General Hours</b>	<b>347</b>	<b>37</b>
<b>TOTAL HOURS FOR GRADUATION</b>	<b>2531</b>	<b>148</b>

\*EN070 Basic English

48

3

\*MH065 Review Math

48

3

\*If the placement test is passed with a score of 70% or higher, course will not be required to graduate.

<u>Recommended Additional Courses</u>	<u>Instructional Hours</u>	<u>Credit Hours</u>
CDL101 Commercial Driver License I	120	6