

ASSOCIATE OF APPLIED SCIENCE DEGREE

AUTOMOTIVE/DIESEL TECHNOLOGY - LIGHT DUTY **Length: 27 Months**

Students in this program will prepare for entry-level positions in the automotive/diesel 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 Diesel Department’s mission is to provide a quality education from its diverse courses, developing students into a knowledgeable and productive work force.

<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
or		
DT228 Heavy Equipment & Vehicle Integrated Electronics	120	6
AU230 Automotive Engine Performance	120	6
AU232 Computerized Engine Control Systems	120	6
DT119 Theory & Techniques in Welding	120	6
DT127 Light Duty Diesel Engine Diagnosis & Repair	120	6
DT231 Light Duty Diesel Performance & Diagnosis	120	6
DT234 Light Duty Diesel Engine Electronic Controls	120	6
UN295 Major Specific Capstone - Associate	24	3
Total Technical Hours	1704	87

<u>General Education & 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
UN110 First-Year Experience	11	2
Total General Hours	347	37
TOTAL HOURS FOR GRADUATION	2051	124

*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>
CD101 Commercial Driver License I	120	6
CD102 Commercial Driver License II	120	6