

## ASSOCIATE OF APPLIED SCIENCE DEGREE

### DIESEL TECHNOLOGY - MEDIUM/HEAVY DUTY

**Length: 24 Months**

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

**MISSION STATEMENT:** 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>
AU118 Transportation Heating Ventilation Air Conditioning	120	6
AU123 Electrical & Electronics I	120	6
AU126 Suspension & Steering	120	6
AU127 Hydraulic Brake Systems	120	6
DT119 Theory & Techniques in Welding	120	6
DT124 Diesel Engine Diagnosis & Repair	120	6
DT130 Truck Air Systems, Brakes & Preventive Maintenance	120	6
DT131 Truck Drivetrains	120	6
DT228 Heavy Equipment & Vehicle Integrated Electronics	120	6
DT230 Diesel Performance & Diagnosis	120	6
DT235 Diesel Engine Electronic Controls	120	6
HY130 Hydraulics	120	6
UN295 Major Specific Capstone - Associate	<u>24</u>	<u>3</u>
<b>Total Technical Hours</b>	<b>1464</b>	<b>75</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
UN110 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>1811</b>	<b>112</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>
CD101 Commercial Driver License I	120	6
CD102 Commercial Driver License II	120	6