

**ALTERNATE FUELS TECHNICIAN
Diesel**

Length: 78 Weeks

Students in this program will prepare for entry-level positions in the alternate fuels industry by acquiring the technical skills currently applicable to the industry. Students could be certified through the NAFTC (National Alternate Fuels Training Consortium) in the following areas:

- Propane Vehicles
- Compressed Natural Gas Vehicles
- Cylinder Inspection - this certification requires an additional two-day class and a certification test must be completed

<u>Technical Requirements</u>	<u>Instructional Hours</u>	<u>Credit Hours</u>
AF101 Alternate Fuels I	120	6
AF102 Alternate Fuels II	120	6
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
AU128 Electrical & Electronics II	120	6
or		
DT128 Heavy Equipment & Vehicle Integrated Electronics	120	6
AU130 Automotive Engine Performance	120	6
DT124 Diesel Engine Diagnosis & Repair	120	6
DT130 Truck Air Systems, Brakes, & Preventive Maintenance	120	6
DT131 Truck Drive Trains	120	6
DT135 Diesel Engine Electronic Controls	<u>120</u>	<u>6</u>
Total Technical Hours	1440	72

<u>Related Requirements</u>	<u>Instructional Hours</u>	<u>Credit Hours</u>
DP152 Applications of Word and Excel	36	3

<u>General Education Requirements</u>	<u>Instructional Hours</u>	<u>Credit Hours</u>
CO179 Introduction to Human Communication	24	3
MH170 Technical Math	48	5
UN100 First Year Experience	12	1
UN292 Portfolio Capstone	<u>12</u>	<u>1</u>
Total General Hours	96	10
TOTAL HOURS FOR GRADUATION	1572	85

- *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 Optional Courses</u>	<u>Instructional Hours</u>	<u>Credit Hours</u>
CDL101 Commercial Driver License I	120	6
CDL102 Commercial Driver License II	120	6
HP130 High Performance Engine Machining	120	6