

# DIPLOMA

## ALTERNATE FUELS TECHNICIAN Automotive

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
AU116	Manual Drive Trains & 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
AU128	Electrical & Electronics II	120	6
AU130	Automotive Engine Performance	120	6
AU132	Computerized Engine Control Systems	120	6
<b>Total Technical Hours</b>		<b>1440</b>	<b>72</b>

<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	12	1
<b>Total General Hours</b>		<b>96</b>	<b>10</b>
<b>TOTAL HOURS FOR GRADUATION</b>		<b>1572</b>	<b>85</b>

\*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

