

DIPLOMA

ALTERNATE FUELS TECHNICIAN Automotive

Length: 20 Months

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
- Biodiesel
- Hybrid/Electric
- Hydrogen/Hydrogen Fuels Cells

<u>Technical Requirements</u>	<u>Instructional Hours</u>	<u>Credit Hours</u>
AF235 Alternate Fuels I	120	6
AF237 Alternate Fuels II	120	6
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
UN290 Major Specific Capstone - Diploma	<u>11</u>	<u>1</u>
Total Technical Hours	1451	73

<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
UN112 CoAT First-Year Experience	<u>11</u>	<u>2</u>
Total General Hours	107	12
TOTAL HOURS FOR GRADUATION	1558	85

*MH065 Review Math

48

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*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
CDL102 Commercial Driver License II	120	6