

DEGREES & CERTIFICATES

AUTOMOTIVE ALTERNATIVE FUELS/HYBRID TECHNOLOGY ASSOCIATE OF SCIENCE (AS)

About the Program

The Associate of Science in Automotive Alternative Fuels/Hybrid Technology degree will provide the skills necessary for students to qualify as trained entry-level technicians, as well as for career advancement. This program concentrates on Hybrid technologies which will allow students to gain employment with manufacturers. The current climate in the automotive industry has a focus on Hybrid training and this program will give our students a leg up on the competition. Students work side-by-side and hands-on with industry professionals in a fully equipped and up-to-date facility.

Program Goals and Objectives

This program is CTE focused and will help students attain a job-ready state to gain employment in the Automotive industry.

Career Opportunities

Career opportunities include Teaching, Automotive Technician, Automotive Parts Personnel, Automotive Management, Shop Owners, and Automotive Performance Personnel

Program Outcomes

- Upon completion of the AS in Automotive Alternative Fuels/ Hybrid Technology, students are able to apply safety procedures relating to alternative fuels and high voltage.
- Upon completion of the AS in Automotive Alternative Fuels/ Hybrid Technology, students are able to diagnose alternative fuel systems.
- Upon completion of the AS in Automotive Alternative Fuels/ Hybrid Technology, students are able to perform high voltage disable procedures.

Learning and Career Pathway Maps

[View LPC Program Map](#)

Required Core: (40 Units)

AUTO A1 Engine Repair.....	4
AUTO A2 Automatic Transmission/Transaxle.....	4
AUTO A3 Manual Drive Train and Axles.....	4
AUTO A4 Suspension and Steering.....	4
AUTO A5 Brakes.....	4
AUTO A6 Electrical/Electronic Systems.....	5
AUTO A7 Automotive Heating and Air Conditioning.....	4
AUTO A8 Engine Performance.....	5
AUTO LABA Automotive Lab.....	2
AUTO L3 Light Duty Hybrid/Electric Vehicles.....	4

List A: Select One (4 Units)

AUTO INTR Automotive Service and Introduction.....	4
AUTO INTL Automotive Service and Introduction Hands-On Lab and	2
AUTO INTZ Automotive Service and Introduction Lecture.....	2

Total Units for the Major.....44

Program-Based GE: Select One (3 Units)

CMST 1 Fundamentals of Public Speaking.....	3
CMST 10 Interpersonal Communication.....	3

Additional General Education and Elective Units..... 16