

ATEC 230: HYBRID & ELECTRIC VEHICLE PROPULSION SYSTEMS

An ASE/NATEF course designed to familiarize the student with construction, working principals, theory, and aspects used in Hybrid and electric vehicle propulsion systems. Includes high voltage safety, engines, electric machines, power invertors, dc to dc converters, battery construction and technologies, braking systems, and HVAC. Mathematical formulas and conversions for horsepower and torque relationship, converting watts to kilowatts, calculating horsepower and watts.

Credits: 10

Prerequisites: ATEC 200, 201, 202, 203, 205 and 206 (or 204).

Program: [Automotive Technology](#)