ASSOCIATE IN SCIENCE 2017-2018

AUTOMOTIVE TECHNOLOGY, ELECTRICAL-ENGINE PERFORMANCE

Provides significant state of the art training and applicable employment skills in the following ASE certification topics: Electrical, Engine Performance, Advanced Engine Performance. Also provides training and preparation for CA state emissions inspection license. Students must complete each major requirement course with a grade of “C” or better to be awarded the degree in Automotive Technology.

Program Learning Outcomes:

- Recognize, diagnose, and repair faults in the following systems: Starting, charging, lighting, instrumentation, climate control, safety, navigation, communication, fuel, ignition, valvetrain, throttle, emissions, powertrain, and stability.
- Demonstrate skills using online vehicle diagnostic/repair information and specialized test equipment that is consistent with industry standards.
- Execute safe, proper, and ethical work practices

AUTO  102  Automotive Systems 3.5
AUTO  103  Light Line Technician 2.0
AUTO  118  Fuel Systems/Emission Controls 3.0
AUTO  119  Introduction to Engine Performance 2.5
AUTO  122  Advanced Electrical 3.0
AUTO  125  Automotive Electronics 2.0
AUTO  127  Ignition Systems 3.0
AUTO  129  DSO, GDMM, Scan Tool Diagnosis 1.5
AUTO  133  Computerized Engine Management 2.5
AUTO  138  Occupational Work Experience 1.0
AUTO  141* Clean Air Car Course 5.0
AUTO  145  Enhanced Emission Diagnostics Level 2 2.0
AUTO  170  Electrical Systems 3.0
AUTO  171  Engine Systems 2.5
AUTO  172  Chassis and Drivetrain Systems 2.5
AUTO  173  Automotive Service Operations 2.0
AUTO  202  Bugged Vehicle Diagnostics 1.5

Major Requirements 42.5
G.E. Requirements 24.0
Total units 66.5

*California Apprenticeship requires a grade of “B” or better for this course