
SECTION HEADING

AUTO 2121: Engine Performance II

Description

Engine Performance II introduces the theory and repair of automotive engine systems including ignition systems, emission controls, electronic engine controls, and engine performance diagnosis. Students will be introduced to diagnosing and repairing all systems related to engine performance.

Credits

5

Prerequisite

TRAN 1100

Corequisite

None

Topics to be Covered

1. GM computer system fundamentals
2. Sensors, throttle body injection, port fuel injection
3. Scanners
4. OBD II
5. Diagnosing and repair of computer systems

Learning Outcomes

1. Test computer system performance.
2. Test oxygen ,BARO, TPS, MAP, VSS, ECT , IAT sensors
3. Test computer-controlled Driveability emissions.
4. Test air management component operation.
5. Access electronic information as applied to automotive systems
6. Comply with personal and environmental safety practices associated with clothing; eye protection; hand tools; power equipment; proper ventilation; and the handling, storage, and disposal of chemicals/materials in accordance with local, state, and federal safety and environmental regulations.
7. *The required outcomes follow the Auto Service Technician (AST) model of the Board of the National Institute for Automotive Service Excellence (ASE)

Credit Details

Lecture: 2

Lab: 3

OJT: 0

MnTC Goal Area(s): None