

AT 130 - ENGINE PERFORMANCE I

Course Description

This course is designed to familiarize the student with the theory and operation of the automotive ignition system and fuel system. Group 2 course.

Credit Hours

5

Contact Hours

8

Lecture Hours

2

Lab Hours

6

Required Prerequisites

AT 220

General Education Outcomes supported by this course

Critical Thinking - Direct

Course Learning Outcomes

Knowledge:

- Describe the basic components of the automotive ignition and fuel systems as related to engine performance.

Application:

- Use the results of diagnostic strategies to service/repair automotive ignition and fuel systems to improve engine performance.

Integration:

- Apply problem solving strategies to resolve issues with automotive ignition and fuels systems.

Human Dimension:

- Discuss course information with others regarding engine performance.

Caring - Civic Learning:

- Service a vehicle owned by a customer using recommended shop procedures.

Learning How to Learn:

- Demonstrate competency according to National Automotive Technicians Education Foundation standards to pass the Automotive Engine Performance Technician certification.