

# AT 130 - ENGINE PERFORMANCE I

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## 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.