

# AT 140 - SUSPENSION AND STEERING

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## Course Description

This course is designed to familiarize the student with the nomenclature, theory, and service techniques for the modern steering and suspension system. Group 2 course.

## Credit Hours

4

## Contact Hours

6

## Lecture Hours

2

## Lab Hours

4

## Required Prerequisites

AT 100-may be taken concurrently

## General Education Outcomes supported by this course

Critical Thinking - Direct

## Course Learning Outcomes

### Knowledge:

- Describe current steering and suspension systems for two and four wheel drive vehicles using current automotive system nomenclature.

### 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 steering and suspension 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 Steering and Suspension certification.