

AT 140 - SUSPENSION AND STEERING

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.