AT 100 - AUTOMOTIVE SERVICE BASICS

Course Description

This is the first course in the Automotive Service Program. Engine theory, cooling systems, and lube requirements will be covered. Bolts, micrometers and basic specialty tools are integrated into the class. Training in the use of acetylene torch equipment will be taught along with its use in the automotive field. The student will learn general shop organization, types of service, and cost and returns by department. Time will be devoted to employer-employee and customer relations, and instruction in the use of the service manual. Group 2 course.

Credit Hours

3

Contact Hours

4

Lecture Hours

2

Lab Hours

2

Recommended Prerequisites or Skills Competencies

ENG 99/108

Course Learning Outcomes

Knowledge:
- Describe basic auto services and systems using current automotive system nomenclature.
- Identify the legal responsibilities of the automotive shop personal including owners and technicians.

Application:
- Describe basic auto theory.
- Develop employability skills and resources including resumes and online profiles that align to their career interests.

Integration:
- Use problem solving strategies to resolve basic automotive systems issues.
- Evaluate the requirements of automotive service department managers and related careers.

Human Dimension:
- Discuss the impact of basic automotive systems on personal and transportation safety.

Knowledge:
- Demonstrate care by using the recommended shop procedures when servicing a vehicle.

Learning How to Learn:
- Relate knowledge and hands-on skills needed for success in the automotive industry.