**Dept / Course#** : AUTO 115

**Clock Hours** : 180

**Course Title** : Basic Automotive Service and Systems

**Course Outcomes**:

Students will be able to perform adequately as a basic service type technician. Student will be able to communicate adequately on the job site.

**Course Description**:

This course will serve as an introduction to the automotive industry. It will provide training in shop safety, working with fasteners and metal, using measuring devices and principles as well as an introduction to typical automotive tools and their usage. This course also covers shop operation, shop management, customer service skills, and communication skills. Basic Automotive Service and Systems includes many of the introductory skills needed for basic vehicle maintenance and service while providing an overview of all vehicle systems.

**Course Outline**:

- Various aspects of safety training
- Introduction to tools and equipment
- Measuring devices and techniques
- Fasteners and working with metal
- Writing a repair order and dealing with typical customers
- Using typical web based information systems
- Introduction to automotive systems
- Under-hood maintenance
- Under-vehicle maintenance

**Student Performance Objectives (Course competencies)**:

Given a specific task list, student will be able to perform all required NATEF tasks at industry standards in an acceptable time frame. Student will work in a safe matter at all times.

**Methods Of Instruction**:

Power Point presentation, overheads, CDRom training programs, demonstration on vehicles and equipment, videos, peer tutoring, live shop work.

**Student Assignment/Requirements**:
Students are required to turn in multiple completed job sheets based on NATEF tasks. Students must attend a minimum of 90% class time. Students must complete various research and homework assignments. Students are required to take periodic exams.

**Evaluation and Grading Standards:**

Students will be evaluated and graded in the 3 following areas.

1/3 grade = Attendance  
1/3 grade = Tests  
1/3 grade = Exercises

Grades will be calculated into a percentage based on the class curve.

90 - 100% = A  
80 - 89% = B  
70 - 79% = C  
60 - 69% = D  
59 or below = F

**Required Student Supplies and Materials:**

Required text, notebook, uniforms, and safety glasses.