

Indianola Career and Technical Center

Automotive Service Technology I

Coach Ishmund Cattlidge

School Number (662) 884-6000

Email: icattlidge@sunflower.k12.ms.us

Contact times:

2:50-3:30 M-F

5:00-7:00 M-F

PROGRAM DESCRIPTION

Automotive Service Technology is a two-year instructional program that prepare students for entry-level employment positions in the automotive repair and service industry or for entry into postsecondary Automotive Technology programs. The program consists of two courses, each nine months in length. Each course must be taught in a minimum two class period block. The first course in the program include instruction in the foundation skills related to safety, tools and equipment usage, ,measurement, basic automotive service, brakes and electrical system service. The second course in the program provides students with foundation skills related to engine performance and steering and suspension systems.

COURSE CURRICULUM/OUTLINE

The program is aligned with ASE/NATEF- 2008 Automotive Program standards. The students will receive instructions and training in: Brakes, Electrical/Electronics, Engine Performance, and Steering and Suspension. Students who study this curriculum using NATEF materials under the supervision of a certified instructor are eligible to be tested in Brakes, Electrical/Electronics, Engine Performance and Steering Suspension. Students who successfully pass these test may receive a certified certificate of completion form ASE.

Automotive Service Technology I—Course Code: 997000

Unit	Title	Hours
1	Automotive Shop Operations	40
2	Engine Repair	60
3	Engine Transmission	40
4	Basic Electrical/Electronic Systems	70
5	Automotive Brakes	70
		280

Automotive Service Technology II—Course Code: 997001

Unit	Title	Hours
6	Automotive Shop Operations Review	25
7	Advanced Electrical/Electronic Systems	75
8	Engine Performance	40
9	Advanced Engine Performance	40
10	Suspension/Steering Systems	50
11	Automotive Heating and Air	50
		280

COURSE REQUIREMENTS

Each students must have the following supplies and equipment every day to be prepared for the classroom and/or laboratory. Failure to have these materials will result in the student not being able to participate and a 0 being assigned for the day.

- **1"-2" Three ring binder**
- **Notebook paper**-No spiral notebook paper accepted
- **Pen and pencil with eraser**-Pens must be blue or black ink
- **Jumpsuit or long pants and solid and sole closed footwear –**
(stored in assigned lockers at all times)

Each student should have their pen, pencil and paper out at the beginning of each class so they are prepared to start work when the instructor begins. *Students that do not have these items out and ready will be considered not prepared for class and will receive a reduced grade.*

METHODOLOGY AND RESOURCE MATERIALS

The course material will be presented through a series of lectures, demonstrations, and laboratory assignments including worksheets, job sheet and handouts. Lab projects are assigned as related to classroom units of instructions. All assignments require reading, listening, viewing demonstrations and practical performance in the laboratory.

Writing and math skills sufficient enough for basic industry documentation are for each students to be successful in the Automotive Technology Program.

Additional text will be available on a limited basis for students to check out and carry home. **NO MARKS ARE TO BE MADE IN THESE RESOURCES.** Students accept responsibility for these materials and if they are lost or damaged, the students is responsible for the cost of replacement.

Evaluation

Each student's behavior and work attitude will be evaluated weekly or at the end of each nine weeks of instruction. Any disciplinary action (documented or undocumented) will result in a decreased lab evaluation. Tests may be administered in the classroom as well as the laboratory. Tests may be given at any time. Each unit of instruction will be concluded with a written test and a laboratory performance test. A midterm and final examination will be given for each semester of study.

Grading Policy

25%-Classroom/Lab/daily	A = 100 - 89.5
25%-Exam	B = 89.4 - 79.5
50%-Test	C = 79.4 - 69.5
	D = 69.4 - 64.4
	F = 64.4 - 0

Laboratory performance tests are pass/ fail on the student's competency based on safety, work habits, attitude, mechanical ability and overall performance.