

# Automotive Technology II Syllabus

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**Instructor**

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**Location**

Room 196

**Course Overview**

Auto II will consist of Introduction to Shop Safety, Fuel systems, Electrical systems, Coolant systems, & Engine Service/ Repair. Introduction to shop safety will be taught again due the fact that safety is top priority! We will cover in depth automotive fuels and transfer/ filtration units. Fundamentals for gas and diesel injection, carburetor fundamentals and service, & Diesel service and exhaust systems. Electrical systems will cover different batteries, testing and service, starting fundamentals, testing and repair, charging systems, ignition systems, & lights and accessories. Coolant systems and engine repair go hand in hand due to most systems being combined for repairs. They will consist of coolants system fundamentals, maintenance, service and repair, mechanical problems, engine disassembly and repair, & front end service and repair.

**Required Text**

Modern Automotive Technology, *James E. Duffy*

CDX Automotive, *Jones & Bartlett Learning*

## **Grading standards.**

1. Reports to work daily on time; able to take directions and motivated to accomplish the task at hand.
2. Dresses appropriately and uses language and manners suitable for the workplace.
3. Maintains appropriate personal hygiene
4. Meets and maintains employment eligibility criteria, such as drug/alcohol-free status, clean driving record, etc.
5. Demonstrates honesty, integrity and reliability

### **Work Habits / Ethic (see Standard 7.10)**

1. Complies with workplace policies/laws
2. Contributes to the success of the team, assists others and requests help when needed.
3. Works well with all customers and coworkers.
4. Negotiates solutions to interpersonal and workplace conflicts.
5. Contributes ideas and initiative
6. Follows directions
7. Communicates (written and verbal) effectively with customers and coworkers.
8. Reads and interprets workplace documents; writes clearly and concisely.
9. Analyzes and resolves problems that arise in completing assigned tasks.
10. Organizes and implements a productive plan of work.
11. Uses scientific, technical, engineering and mathematics principles and reasoning to accomplish assigned tasks.
12. Identifies and addresses the needs of all customers, providing helpful, courteous and knowledgeable service and advice as needed.

Grade	Letter
59	F
60	D-
63	D
67	D+
70	C-
73	C
77	C+
80	B-
83	B
87	B+
90	A-
93	A
97	A+

Homework: 10%

Classwork: 30% (shop time included)

Quiz: 30%

Test: 30%

- 80 or better will be required prior any attempt to take the student ASE test.
- Student ASE test required prior any attempt to take the professional ASE test.
- All exams given will be in ASE format.

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