

# Automotive Technology I Syllabus

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**Instructor**

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**Location**

Room 196

**Course Overview**

Auto I will consist of Introduction to Automotive Technology, Engines, Suspension, Steering, Brakes, Drivetrain, & Axles. They will learn about everything to do with safety in the shop and how to safely/properly use automotive tools/ equipment. Basic automotive Maintenance and Electronics will also be covered. Automotive Engine Fundamentals and Classification will follow. Engine Construction and Operation will complete engine Fundamentals and Classification. Suspension, Steering, & Brakes will be one large topic due to all 3 components affect each other directly. Drivetrain and Axles will follow, seeing that these components will also affect Suspension, Steering, & Brakes.

**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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