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## Automotive Service Technology Syllabus

## Program Title: Automotive Service Technology 1 & 2

## Program Type: Career Preparatory

## Career Cluster: Transportation, Distribution and Logistics

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**Program Description:**

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Transportation, Distribution and Logistics career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the Transportation, Distribution and Logistics career cluster.

The content includes but is not limited to broad, transferable skills and stresses understanding and demonstration of the following elements of the Automotive industry; planning, management, finance, technical and product skills, underlying principles of technology, labor issues, community issues and health, safety, and environmental issues.

### Program Structure:

| OCP | Course Number | Course Title | Course Length | SOC Code |
| --- | --- | --- | --- | --- |
| A | AER0014 | Automobile Services Assistor | 300 hours | 49-3023 |
| B | AER0110 | Engine Repair Technician | 150 hours | 49-3023 |
| C | AER0257 | Automatic Transmission and Transaxle Technician | 150 hours | 49-3023 |
| D | AER0274 | Manual Drivetrain and Axle Technician | 150 hours | 49-3023 |
| E | AER0453 | Automobile Suspension and Steering Technician | 150 hours | 49-3023 |
| F | AER0418 | Automotive Brake System Technician | 150 hours | 49-3023 |
| G | AER0360 | Automotive Electrical/Electronic System Technician | 300 hours | 49-3023 |
| H | AER0172 | Automotive Heating and Air Conditioning Technician | 150 hours | 49-3023 |
| I | AER0503 | Automotive Engine Performance Technician | 300 hours | 49-3023 |

**Standards:**

**(Refer to)**

# Florida Department of Education

# Student Performance Standards

For Course Number’s

**Textbooks and/or Equipment/Supplies:**

**Required: Duffy, James E., (2004). *Modern Automotive Technology,* (6th edition). Goodheart-Willcox, ISBN: 1-59070-186-0**

**Additional Resources:**

The Instructor will provide:

1. Auto Repair Software
2. Selections from Service Manuals
3. Safety glasses
4. Other handouts as required

**Grading Criteria and Requirements:**

Grades will be based on quizzes, tests, and skill assessments

33.3% Class Performance

33.3% Shop Performance

33.3% Tests, Quizzes

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100%

**Grading Scale:**

90% and above = A

80% - 89.9% = B

70% - 79.9% = C

60% - 69.9% = D

59.9% and below = F

**Skill Assessment Rubric:**

Grade Calculation

Percentage Grade Description

90% – 100% A Excellent Work, Professional Standards

80% - 89% B Good Work, Above Average Quality

70% - 79 C Average Work, Acceptable, Needs Improvement.

60% - 69% D Below Average-Improvement necessary

to meet industry standards.

0% - 59% F Poor Work, Unacceptable, Does not

meet industry standards.

**Make-up Policy:**

All testing and assessments will be scheduled per course syllabus. Make-up work in not allowed unless instructor gives prior approval. The instructor may assign additional outside work to be completed for each absence.

**Attendance:**

See Student handbook for attendance policies. Attendance is not only expected but vital to a student’s success.

**Class Room/Lab Rules:**

**SHOP WORK POLICIES:**

1. The use of inappropriate language or profanity will not be tolerated.
2. Shop work must be completed during assigned class times in which a student is enrolled.
3. Students may work on their own vehicles, or their immediate family, with instructor’s permission. Customer work is prohibited! Proof of vehicle ownership may be required.
4. All student repairs will require a complete inspection, written estimate including flat rate times and parts required, and instructor permission before repair work can start.
5. No overnight repairs on student vehicles! Student vehicles may not be left in work stalls or the parking areas.
6. Only students enrolled in the automotive class may be in the shop area during classes.
7. Cell phone use only for looking up parts and repairs.
8. Computers are to be used for automotive research only.
9. Students shall either be working in shop, studying their assigned chapters, or preparing for ASE certifications.
10. All students are expected to earn ASE certifications, “ no exceptions ”

**AUTO SHOP RULES:**

1. If you use it, you clean it and put it back.
2. If you break it…you inform the instructor
3. Tools are to be returned to their proper place.
4. Drain pans are to be emptied and washed.
5. Bays are to be swept after use.
6. Spills are to be wiped up.
7. Vehicles are to be backed into parking spaces.
8. Drills, lathes, grinders, etc. are to be cleaned and returned to its proper place.
9. Allow sufficient time for cleanup, cleanup will start when signaled.

If any of these rules are broken student shall be told to clock out and go home. If student is told to clock out more than three times student will be dropped.