

SOUTHEAST COMMUNITY COLLEGE
ADVANCED TECHNOLOGIES & SKILLED TRADES DIVISION
AUTOMOTIVE STUDENT SERVICE EDUCATIONAL TRAINING (ASSET)
COURSE SYLLABUS
September 10, 2025

I. CATALOG DESCRIPTION

Course Number: ASST1901
Course Title: Dealer Cooperative Experience
Prerequisite(s): ASST1111 & ASST1116

Catalog Description: Coordinated work experience from Ford dealer in accordance with program schedule. Work experience supervised by Southeast Community College-Milford and ASSET coordinator.

Credit Hour: 5.0
Class Hours: 0
Lab Hours: 300
Total Contact Hours: 300

II. COURSE OBJECTIVES: *Course will:*

- A.** Cover shop procedures and practices.
- B.** Cover diagnosing and repairing of various vehicles; makes and models.
- C.** Cover journal keeping and documentation.
- D.** Cover Ford web-based training courses.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES

A. STUDENT LEARNING OUTCOMES: *The student will be able to:*

- 1. Properly use English and metric measuring instruments, drills, taps, hand and power tools.
- 2. Work safely and understand the value of a clean shop.
- 3. Fill out R.O.'s and flag sheets, identify various Ford models, and interpret V.I.N.
- 4. Perform pre-delivery inspections and use the flat rate and service manuals.
- 5. Safely light and adjust oxyacetylene welding equipment.
- 6. Heat, basic weld and cut.
- 7. Use volt, amp, and ohmmeters to diagnose and check a circuit.
- 8. Read electrical schematics and repair circuits.
- 9. Check and service batteries.
- 10. Troubleshoot and repair Ford cranking systems.
- 11. Troubleshoot and repair Ford charging systems.
- 12. Troubleshoot and repair Ford brake systems.
- 13. Resurface a brake rotor.
- 14. Resurface a brake drum.
- 15. Rebuild or replace the hydraulic components.
- 16. Troubleshoot and repair Ford steering and suspension systems.
- 17. Troubleshoot and repair Ford basic drivability system faults.

B. GENERAL EDUCATION LEARNING OUTCOMES:

GELO #3: Critical Thinking & Problem Solving

Outcome:

1. Collect, identify, interpret and analyze data.

IV. CONTENT/UNIT OF INSTRUCTION

- A. New vehicle prep
- B. Brake jobs
- C. Shop safety
- D. Proper paperwork
- E. Electrical system diagnosis
- F. Electrical system repair
- G. Brake system repair
- H. Steering system repair
- I. Suspension system repair and/or alignment
- J. Basic drivability
- K. Service and repair including fuel, ignition and/or emissions systems

V. INSTRUCTIONAL MATERIALS

The course information document lists the current text(s) required for this class. The list is also available in the campus bookstore. The course information document also lists the tools/equipment or other supplies required for this class.

VI. METHODS OF PRESENTATION / INSTRUCTION

- A. The student is to learn the needed skills under a mentor technician, covering the tasks presented to them.

VII. METHODS OF EVALUATION

A. Methods of evaluation typically include a combination of the following:

1. Dealer personnel evaluations
2. Mentor technician evaluations
3. Weekly worksheets
4. Instructor evaluations
5. Attendance: Punctual and regular attendance is required as stated in the student handbook or class outline.

Letter grades will be based on the SCC Standard Grade Scale Policy. **Note:** See course information document for specific details on how the course grades will be calculated.

VIII. SPECIFIC COURSE REQUIREMENTS

A. Student must:

1. Complete all tests, projects, assignments, and notebook (if required).
2. Earn a final grade of 70% (2.0) or higher to progress in the program.

B. Attendance:

1. Student must follow the Attendance Policy as stated in the college student handbook, automotive lab and classroom policies handbook or Course Information Document.

C. Shop safety rules will be followed.

D. Any additional course requirements as stipulated by the Instructor