

**SOUTHEAST COMMUNITY COLLEGE
TRANSPORTATION OCCUPATIONS
POWERSPORTS TECHNOLOGY
COURSE SYLLABUS
October 27, 2020**

I. CATALOG DESCRIPTION

Course Number: MSTT1245
Course Title: Powersports Coop
Prerequisites: MSTT1034

Catalog Description: Coordinated work experience from an approved Powersports dealership in accordance with program schedule. Work experience supervised by Southeast Community College-Milford and Powersports Technology coordinator.

Credit Hours: 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 professional documentation.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:

A. STUDENT LEARNING OUTCOMES: *Student will be able to:*

1. Perform diagnosis of powersports products based on customer complaints.
2. Complete a tune-up and/or periodic maintenance interval inspection and repairs, following manufacturer's procedures and specifications.
3. Complete a vehicle emission inspection, following manufacturer's procedures and specifications; perform needed repairs or adjustments.
4. Complete a vehicle oil and filter change, following manufacturer's procedures and specifications.
5. Perform vehicle inspections of all levers, pedals, cables and linkages, perform needed action.
6. Perform a vehicle inspection of chassis, tire and wheel components and perform scheduled maintenance procedures following manufacturer's procedures and specifications.
7. Complete a vehicle inspection of paint, chrome and overall condition.
8. Safely test ride the vehicle with special attention to tune-up and ride-ability.
9. Develop marketable skills as a high quality entry-level powersports technician through on-the-job training and experience.
10. Begin the transition from the student level to the level of a career powersports service technician.

11. Complete assigned jobs at a performance level that is acceptable to the job site service manager and the SCC cooperative experience coordinator.

B. GENERAL EDUCATION LEARNING OUTCOMES

GELO 3: Critical Thinking & Problem Solving

Outcome:

1. Collect, Identify, interpret and analyze data.

IV. CONTENT/TOPICAL OUTLINE

- A. Performance diagnosis
- B. Compression
- C. Ignition system
- D. Valve adjustment
- E. Carburetor fuel systems
- F. Fuel injection system
- G. Tune up
- H. Emissions
- I. Lubrication system
- J. Tires
- K. Chassis maintenance
- L. Appearance
- M. Test ride

V. INSTRUCTIONAL MATERIALS

Required Powersports technology tool set

Required work attire

VI. METHODS OF PRESENTATION

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

1. Pre-coop preparation employer data sheet
2. Job hours/work descriptions
3. On-site visits
4. Job assignments from work site supervisor
5. Canvas assignments

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

VII. SPECIFIC COURSE REQUIREMENTS

A. ATTENDANCE

1. Punctual and regular attendance is required as stated in the student handbook or class outline.

B. COMPLETE ALL ASSIGNMENTS

C. EARN A FINAL GRADE OF 70% (2.0) OR HIGHER