



AUTO 103R

Division: Career and Technical Education

Department: Automotive Technology

Course: AUTO 103R

Title: Automotive Technology III

Catalog Description:

This course helps students understand and use work orders and calculate labor amounts, parts, and flat rate charges. Students shall also gain experience doing a variety of automotive repairs. This course may be repeated for a maximum of six credits.

General Education Requirements: N/A

Semesters Offered: TBA

Credit/Time Requirement: Credit: 2; Lecture: 0; Lab: 5

Clock/Hour Requirements: 75

Offered for Non-Credit: No

Credit/Clock Comments: This is a variable credit course (2-6: 0: 5-15).

Prerequisites: AUTO 1000

Corequisites: None

Justification:

This course will better prepare students to work in an automotive shop and is approved by the program advisory committee.

Student Learning Outcomes:

Upon successful completion of this course, students will be able to:

- look up and calculate flat rate
- correctly fill out work orders showing sales tax calculation
- repair many different types of automotive malfunctions.

Content:

Course objectives will be accomplished by students doing necessary repair work on autos in the automotive shop.

General Education Outcomes:

3) Speak effectively in a variety of contexts.

Students are required to communicate about repair and maintenance issues to customers. Strategies for communicating with customers are emphasized.

- 4) Retrieve, evaluate, interpret, and deliver information through a variety of traditional and electronic media. Students will utilize electronic and written reference manuals and computer diagnostics to identify, troubleshoot, and repair engines, transmissions, brakes, and other vehicle components.
- 6) Apply computational skills to a variety of contexts. Students are required to perform mathematic computations with regard to electrical systems, gear ratios, force pressures, and a variety of other vehicle systems. Familiarity with the binary numbering system and computer generated matrices is emphasized.

Key Performance Indicators:

In class:

- Students are tested orally on an ongoing basis, based on a performance vs. time equation for 100% of grade. Shop tasks will be monitored as to the professional manner in which they were completed. Students will be required to complete a specified amount of flat rate repair work for a grade.

Following class:

- Course evaluation will be demonstrated by the following methods:
 - student performance in subsequent courses
 - student performance on the job after training.

Representative Text and/or Supplies:

- Instructional materials as directed by instructor

Optimum Class Size: 10

Maximum Class Size: 18

Signatures:

I hereby submit this course syllabus:

, ,

I hereby find this course consistent with the goals and resources of the Automotive Technology Department:

Brent Reese, BS, Associate Professor, Chair

I hereby find this course consistent with the goals and resources of the Career and Technical Education Division:

Michael P. Medley, MBA, Assistant Professor, Dean

I have discussed the need for library resources related to this class with the person submitting the syllabus:

Lynn Anderson, MLIS, Technical Services Librarian (Main Campus)

Michelle Olsen, MLS, Campus Librarian (Richfield Campus)