Mendocino College

PROGRAM LEVEL STUDENT LEARNING OUTCOMES

	Term Effective:	Fall	2009
		Semester	Year

Program Title: Automotive Technology Degree

(limit to 50 characters including spaces)

Initiator: Steve Fowler

Date Submitted: 3/25/09

Degree:	X
Certificate:	
Units:	36

Program Learning Outcomes: *(Enter the SLO's in an outline format. Use the Ctrl + Tab keys to indent for subtopics.)*

1. Identify common automotive tools and their purpose, select the correct tool for the job at hand and use the tools in a safe manner.

2. Locate service information from available sources, determine parts and labor charges and accurately fill out a repair order.

3. Explain the basic operation of a four-stroke cycle engine, test the compression system effectiveness through leakdown and compression tests and measure and evaluate worn engine parts.

4. Explain the meaning and relationships of basic electrical measurements, trace circuits on a circuit diagram and utilize "common-point" diagnosis to isolate faults.

5. Describe the operating principles of and correctly perform basic service, diagnosis, and repair operations on typical automotive fuel, ignition, emission and electronic engine control system units.

6. Perform emission control system inspections in conformance with BAR standards.

7. Describe the operating principles of and correctly perform basic service, diagnosis, and repair operations on typical manual and automatic transmissions/transaxles, clutches, CV axles, transfer cases and rear axles.

8. Explain the basic operation of and correctly repair or replace components on modern steering, suspension and brake systems.

9. Correctly leak test, gauge check, service and diagnose common problems of a refrigerant system.

The above outcomes assessed through oral and written quizzes and demonstrated correct procedures in the laboratory.

SIGNATURES / APPROVALS:

Instructor(s) _____ _____
Signature Date

Instructor(s) _____ _____
Signature Date