

**J. Sargeant Reynolds Community College
Course Content Summary**

Course Prefix and Number: AUT 126

Credits: 5

Course Title: Auto Fuel and Ignition Systems

Course Description: Studies automobile ignition and fuel systems and their functions in operation of the engine. Includes carburetors, fuel pumps, ignition systems, troubleshooting, engine testing and adjustment, and tune-up. Prerequisite: AUT 242. Lecture 4 hours. Laboratory 3 hours. Total 7 hours per week.

General Course Purpose: To examine fuel and ignition system operational principles, components, and their function in the operation of internal combustion engines. Safety will be emphasized.

Course Prerequisites and Co-requisites:

Prerequisite: AUT 242

Student Learning Outcomes:

Upon completing the course, the student will be able to

- a. Describe the operating principles of carburetion, fuel injection, and ignition systems;
- b. Describe the component parts of automotive fuel