

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

Course Prefix and Number: AUT 181 **Credits:** 4

Course Title: Electrical I - OEM

Course Description:

Studies basic electrical systems, properties, operation, diagnosis, and service and repair. Introduces diagnostic procedures, diagnosing electronically controlled circuits, computer controls, and communication systems. Develops diagnostic strategies to locate and repair basic electrical faults on non-multiplexed systems. Focuses on performing voltage drop testing on chassis electrical systems, starting, and charging systems. This course is intended for students in an original equipment manufacturer (OEM) training program. Part I of III. Lecture 2 hours. Laboratory 8 hours. Total 10 hours per week. 4 credits

General Course Purpose: ~~G)6A102~~