

J. Sargeant Reynolds Community College  
Course Content Summary

Course Prefix and Number: AUT 253 Credits: 4

Course Title: Electric Vehicles

Course Description:

Covers electric vehicle systems and advanced automotive electronics. Provides students an opportunity to perform diagnostic procedures and maintenance of electric vehicle systems. Teaches theory, function, and operation of electric vehicle systems. Focuses on safety. Prerequisites: Experience in the automotive repair field, AUT 241, AUT 242, AUT 245, and AUT 230. Lecture 3 hours. Laboratory 3 hours. Total 6 hours per week. 4 credits

General Course Purpose:

To examine theory, function, and maintenance of electric vehicle systems. Safety will be

1. Introduction
2. Battery technology
3. High-voltage batteries
4. Nickel-metal hydride technology
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