

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

**Course Prefix and Number: DSL 142**

**Credits: 2**

**Course Title:** Transportation Electrical Systems II

**Course Description (including lecture hours, lab hours, total contacts)**

Studies basic operational theory of electrical systems used in public transportation vehicles. Covers electrical symbols, schematics, troubleshooting procedures, as well as the function, construction, and operation of the electrical system and its components. Part II of II. Lecture 2 hours per week.

**Course Prerequisites/Corequisites** (*Entry-level competencies **required** for enrollment*)

None

**Course Objectives** (Each item should complete the following sentence.)

Upon completing the course, the student will be able to:

- a. An understanding of the proper tests and repairs for starting circuits
- b. An understanding of proper tests and repairs for lighting and accessories
- c. An understanding of proper maintenance and basic trouble shooting

**Major Topics to be Included**

- a. Starting circuit
- b. Lighting and accessory circuits
- c. Maintenance of electrical systems
- d. Trouble shooting the electrical system

**Effective Date of Course Content Summary (Month, Date Year):** 2/12/09