DIES 1632: DC Electricity

A. COURSE DESCRIPTION

Credits: 3
Lecture Hours/Week: 2
Lab Hours/Week: 2
OJT Hours/Week: *

Prerequisites:
DIES 1630 - Diesel Industry Fundamentals

Corequisites: None

MnTC Goals: None

This course covers all areas in basic automotive electricity and components. Basic DC electricity, starters, batteries, alternators, relays, switches, and wiring are covered. This provides students with entry level job skills for the electrical field.

B. COURSE EFFECTIVE DATES: 05/19/2014 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Understand basic principles of DC electrical systems
2. Ability to maintain clean/ safe work area
3. Demonstrate ability to work with electrical test equipment
4. Demonstrate ability to operate DC electrical systems
5. Ability to read basic electrical schematics
6. Demonstrate ability to safely work with hazardous chemicals

D. LEARNING OUTCOMES (General)

1. The learner will identify electrical diesel components.
2. The learner will describe and explain diesel electrical components.
3. The learner will test and operate diesel electrical components.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted