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