



BODY ELECTRICAL — ABCT 2100

A. Course Description

- **Credits:** 2.00
- **Lecture Hours/Week:** 0.00
- **Lab Hours/Week:** 2.00
- **OJT Hours/Week:** 0
- **Prerequisites:** None
- **Corequisites:** None
- **MnTC Goals:** None

This course will focus on electrical troubleshooting and repair problems and procedures relating to collision electrical damage as well as pre and post vehicle scanning for advanced systems. Prerequisites: ABCT 1111, ABCT 1120, ABCT 1130, ABCT 1142, ABCT 1150, ABCT 1212, ABCT 1214, ABCT 1216, ABCT 1216, ABCT 1230.

B. Course Effective Dates: 3/15/98 – Present

C. Outline of Major Content Areas

As noted on course syllabus

D. Learning Outcomes

1. Diagnose vehicle lighting and vehicle electrical circuits with proper equipment after a collision.
2. Troubleshoot advanced vehicle systems with a scan tool and laptop with a pre and post scan.
3. Perform vehicle repairs with diagnostic flow charts and wiring diagrams.
4. Perform vehicle safety checks on high voltage hybrid and electric vehicles.

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

F. Learner Outcomes Assessment

As noted on course syllabus

G. Special Information

None noted

