

# Minnesota State College Southeast

## ABCT 1330: General Auto Body Lab

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: \*.\*

Lab Hours/Week: 6

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This lab allows for skill building of previously learned areas of study through hands-on application. It also provides time for the student to complete tasks assigned in current courses and provides hands-on time to achieve a complete collision repair. Much of the emphasis in this lab will surround collision type repairs. (Prerequisite: Minimum of 15 technical credits completed in ABCT courses) (3 Credits: 0 lec/3 lab)

**B. COURSE EFFECTIVE DATES:** 04/27/1998 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Paint preparation steps, mixing procedures, application, and detailing procedures
2. Disassembly and reassembly of damaged vehicle
3. Body panel replacement and adjustment
4. Outer body panel repair

#### **D. LEARNING OUTCOMES (General)**

1. Exhibit safe work practices
2. Demonstrate professional work practices
3. Complete weekly paperwork
4. Participate in shop clean up
5. Analyze repairs
6. Remove and reinstall interior parts
7. Organize and label all vehicle parts
8. Remove and label for reinstallation mechanical components
9. Reinstall mechanical components
10. Replace suspension components
11. Bleed brake system
12. Perform electrical systems repairs
13. Repair structural damage
14. Replace body panels
15. Perform sheetmetal adjustments
16. Repair damaged sheetmetal panels
17. Restore corrosion protection
18. Repair plastic body and trim parts
19. Sand panels
20. Prime repairs
21. Prepare vehicle for refinishing
22. Apply masking materials
23. Match vehicle color
24. Refinish spot repair
25. Paint jamb areas
26. Refinish complete vehicle
27. Perform vehicle buffing and polishing procedures
28. Detail vehicle interior
29. Detail vehicle exterior
30. Perform final inspection
31. Perform glass removal and replacement
32. Install body trim
33. Aim headlamps
34. Maintain shop tools and equipment

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

None

#### **F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

#### **G. SPECIAL INFORMATION**

None noted