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