Minnesota State College Southeast

ABCT 1604: Special Projects Lab (4 cr)

A. COURSE DESCRIPTION

   Credits: 4
   Lecture Hours/Week: *.*
   Lab Hours/Week: 8
   OJT Hours/Week: *.*
   Prerequisites: None
   Corequisites: None
   MnTC Goals: None

   Special projects lab is a variable credit value lab that allows students to contract for 1-4 credits of arranged lab time. This lab time can be used as a way to meet elective credits for certificates, diploma, or AAS degree. This lab can also allow a student to work on specific project of interest providing they have the skills to work independently with only minimal impact on instructional staff working with students enrolled in required courses. All project work must be performed according to an approved repair plan with instructor and all shop safety practices and equipment usage procedures adhered to. (Prerequisite: Instructor approval) (4 credits: 0 lecture/4 lab)

B. COURSE EFFECTIVE DATES: 11/29/1999 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

   1. Completion of an agreement for goals in credits of lab enrolled in
   2. Utilization of industry based auto body repair procedures
   3. Refinishing procedures utilizing paint manufacturer recommendations
   4. Maintenance of shop work space and organization of project
   5. Minor electrical and mechanical repairs related to collision repair
   6. Detailing of vehicles
D. LEARNING OUTCOMES (General)
   1. Complete agreement for goals in the course
   2. Exhibit safe and professional work practices
   3. Clean vehicle for body and refinishing procedures
   4. Disassemble vehicle for repairs
   5. Perform body repairs
   6. Replace body panels
   7. Perform plastic and composite repairs
   8. Corrosion protect repaired areas
   9. Perform paint preparation procedures for areas or parts to be refinished
  10. Mix paint products according to paint manufacturer directions
  11. Apply paint materials
  12. Maintain paint spray area and equipment
  13. Detail painted panels as required
  14. Assemble vehicle
  15. Perform minor electrical and mechanical related repairs
  16. Perform quality control inspection of repairs
  17. Detail vehicle for customer delivery
  18. Perform temporary repairs to make vehicle street legal
  19. Complete required course paperwork
  20. Complete weekly logs if enrolled for letter grade

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
   None

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted