

# Minnesota State College Southeast

## ABCT 1280: Production 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 is intended to build student skills and efficiency in the repair and/or refinishing of vehicles requiring non-structural repairs. Included would be panel repair, panel replacements and alignment, plastic or composite repairs, refinishing, detailing and other repair tasks conducive to the students' career track. (Prerequisites: none) (3 Credits: 0 lec/3 lab)

**B. COURSE EFFECTIVE DATES:** 10/15/1998 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Disassembly
2. Repair panels
3. Replace panels
4. Refinish panels
5. Reassembly
6. Detail for delivery

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

1. Exhibit personal health and safety practices
2. Perform vehicle precleaning procedure
3. Develop vehicle repair and/or refinishing plan
4. Use vehicle protection procedures
5. Remove and replace vehicle trim and hardware
6. Remove and replace vehicle interior components
7. Repair damaged sheet metal panels
8. Repair fiberglass/smc and plastic panels
9. Fabricate and install rust repair panels
10. Remove/replace and align bolt on panels
11. Remove/replace and align hinged panels
12. Remove/replace and align weld on panels
13. Remove/replace and align adhesive attached panels
14. Remove/replace and adjust movable glass
15. Remove/replace non-structural stationary glass
16. Remove/replace minor mechanical components
17. Apply corrosion protection materials
18. Prepare vehicle surfaces for refinishing
19. Uses color matching, tinting and blending techniques
20. Refinish plastic components
21. Refinish partial vehicle
22. Refinish complete vehicle
23. Apply specialty coatings
24. Detail paint finishes
25. Clean and maintain spray equipment
26. Apply vinyl pinstriping/decals/overlays
27. Perform vehicle predelivery checks
28. Detail vehicle for customer delivery
29. Perform shop/equipment maintenance and clean-up duties
30. Exhibit professionalism

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

None

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

As noted on course syllabus

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

None noted