

Minnesota State College Southeast

ABCT 1460: Advanced Production Lab

A. COURSE DESCRIPTION

Credits: 4

Lecture Hours/Week: *.*

Lab Hours/Week: 8

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This lab is intended to provide continued skill improvement and repair efficiency in all aspects of collision repair processes required to restore a collision damaged vehicle back to pre-accident condition. Emphasis is on routine type repairs found in refinishing and collision repair facilities. (Prerequisite: 25 technical credits minimum) (4 Credits: 0 lec/4 lab)

B. COURSE EFFECTIVE DATES: 09/24/1998 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Disassemble and reassemble vehicle
2. Repair body panel damage
3. Refinish vehicle parts
4. Detail vehicle
5. Complete vehicle paperwork

D. LEARNING OUTCOMES (General)

1. Demonstrate professionalism
2. Exhibit proper safety practices
3. Participate in shop clean up
4. Perform shop equipment maintenance
5. Complete weekly paperwork
6. Analyze body and paint finish damage
7. Remove existing paint finish
8. Apply primer to vehicle
9. Mix paint color
10. Mask vehicle
11. Match paint color to vehicle
12. Paint jamb areas
13. Refinish complete vehicle
14. Perform spot refinishing repair
15. Restore corrosion protection
16. Repair minor dings and scratches or paint finish damage
17. Repair minor rust spots
18. Remove interior trim panels
19. Install interior trim panels
20. Install exterior trim parts
21. Replace bolt on body parts
22. Replace bumper assembly
23. Replace weld on body parts
24. Install and adjust latch mechanisms
25. Adjust body panel gaps
26. Adjust movable glass
27. Prime vehicle parts
28. Perform structural repairs
29. Repair sheet metal damage
30. Perform body filler procedure
31. Charge vehicle battery
32. Perform wheel alignment
33. Perform related mechanical repairs
34. Perform electrical repairs
35. Repair wiring harness
36. Service air conditioning system
37. Service cooling system
38. Buff paint finish
39. Apply pinstripe
40. Install body accessories
41. Perform detailing procedures
42. Perform final vehicle inspection
43. Repair plastic body parts

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted