

# Minnesota State College Southeast

## ABCT 1495: Specialty 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 refine skills along with production speed. It is a lab that can be elected by student rather than Specialty Internship. Students enrolled in this lab need to focus on the repair plan and be planning ahead so as to ensure efficient flow to the project work. Most of the project work should be shorter projects or identified tasks so that they can be completed in a few hours of lab time. Multiple projects or assignments will need to be completed and may be from any areas of study or repair processes in the auto body program. (Prerequisite: 27 credits or more of previous ABCT courses) (4 credits: 0 lecture/4 lab)

**B. COURSE EFFECTIVE DATES:** 02/23/2015 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Dent repair and body panel replacement
2. Refinishing of vehicle parts
3. Detailing of vehicles for customer delivery
4. Disassembly and assembly of vehicle for repairs
5. Body work and refinishing of related objects

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

1. Exhibit safe and professional work practices
2. Analyze damage and determine repair costs
3. Define repair plan and flat rate units appropriate to task or job
4. Perform body panel repairs to industry standard
5. Perform body panel replacements
6. Perform temporary repairs to make collision damaged vehicle usable and legal
7. Perform plastic parts repairs and refinishing
8. Troubleshoot and repair wind, water, and dust leaks
9. Replace broken door handle, mirror, or door glass
10. Develop refinishing plan for project or vehicle
11. Perform refinish process
12. Disassemble vehicle for repairs
13. Document repairs
14. Perform electrical and mechanical tasks related to collision damage
15. Utilize diagnostic scan tools to analyze trouble codes
16. Reassemble vehicle following body repairs
17. Detail vehicle for customer delivery
18. Maintain shop equipment and production area
19. Maintain refinishing area and spray equipment
20. Explain repair and refinish process to customer
21. Complete required course paperwork and weekly logs

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

None

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

As noted on course syllabus

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

None noted