South Central College

ABCT 1801  Auto Body Lab 1

Course Outcome Summary

Course Information

Description  This course will allow the students to develop and to practice skills needed in the auto body industry through hands-on experience.  (Prerequisite:  None)

Total Credits  4
Total Hours  128

Types of Instruction

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<th>Instruction Type</th>
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<td>Lab</td>
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Pre/Corequisites

None

Institutional Core Competencies

Civic Engagement and Social Responsibility - Students will be able to demonstrate the ability to engage in the social responsibilities expected of a community member.

Communication - Students will be able to demonstrate appropriate and effective interactions with others to achieve their personal, academic, and professional objectives.

Critical and Creative Thinking - Students will be able to demonstrate purposeful thinking with the goal of using a creative process for developing and building upon ideas and/or the goal of using a critical process for the analyzing and evaluating of ideas.

Course Competencies

1. Exhibit professionalism.
2. Comply with personal and environmental safety practices associated with clothing and the use of gloves; respiratory protection; eye protection; hand tools; power equipment; proper ventilation; and the handling, storage, and disposal of chemicals/materials in accordance with local, state, and federal safety and environmental regulations.
3. Locate and interpret vehicle identification tags.
4. Prepare estimates.
5. Photo documentation of repair.
6. Preform vehicle pre-inspection.
7. Analyze primary damage.
8. Analyze secondary damage.
9. Analyze mechanical component damage.
11. Select refinishing system.
12. Evaluate color match.
13. Mix refinish color and evaluate.
14. Measure unibody.
15. Measure conventional frame.
16. Repair unibody structures.
17. Repair conventional body structure.
18. Remove mechanical components.
19. Repair or replace mechanical components.
20. Adjust mechanical components.
21. Perform four-wheel alignment.
22. Align sheet metal panels.
23. Repair sheet metal damage.
24. Install bolt-on-sheet metal panels.
25. Install welded-on-sheet metal panels.
26. Install adhesively bonded panels.
27. Remove, repair or replace trim, hardware or glass.
28. Remove, repair or replace composite panels.
29. Demonstrate refinishing safety.
30. Prepare and apply undercoat systems.
31. Prepare primed substrate for refinish.
32. Apply refinish system.
33. Detail the refinished areas.
34. Detail OEM finish as necessary.
35. Clean and detail vehicle.
36. Perform pre-delivery inspection.
37. Inspect the final repair.
38. Deliver the vehicle.
39. Perform work area maintenance.

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