



South Central College

# ABCT 1801 Auto Body Lab 1

## Course Outcome Summary

### Course Information

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| <b>Description</b>   | This course will allow the students to develop and to practice skills needed in the auto body industry through hands-on experience. (Prerequisite: None) |
| <b>Total Credits</b> | 4  |
| <b>Total Hours</b>   | 128  |

### Types of Instruction

| Instruction Type | Credits/Hours |
|------------------|---------------|
| Lab              | 4/128         |

### 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. **Perform vehicle pre-inspection.**
7. **Analyze primary damage.**
8. **Analyze secondary damage.**
9. **Analyze mechanical component damage.**
10. **Order parts/materials.**
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.**

### **SCC Accessibility Statement**

South Central College strives to make all learning experiences as accessible as possible. If you have a disability and need accommodations for access to this class, contact the Academic Support Center to request

and discuss accommodations. North Mankato: Room B-132, (507) 389-7222; Faribault: Room A-116, (507) 332-7222.

Additional information and forms can be found at: [www.southcentral.edu/disability](http://www.southcentral.edu/disability)

This material can be made available in alternative formats by contacting the Academic Support Center at 507-389-7222.