

# Dakota County Technical College

## ABCT 1142: Glass, Trim, and Hardware

### A. COURSE DESCRIPTION

Credits: 4

Lecture Hours/Week: 1

Lab Hours/Week: 3

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course covers the procedures for the removal and replacement of stationary glass, moveable glass and most component of a vehicle.

Prerequisite: None.

**B. COURSE EFFECTIVE DATES:** 08/19/2002 - Present

**C. OUTLINE OF MAJOR CONTENT AREAS**

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

1. Identify trim and hardware safety
2. Identify fasteners
3. Identify interior components
4. Describe electronic component initialization procedures.
5. Identify one time use fasteners
6. Remove and install instrument panel
7. Initialize electronic components
8. Remove and install radio
9. Remove and install steering column
10. Remove and install steering column components
11. Remove and install dashboard
12. Remove and install headliner
13. Remove and install seats
14. Identify seat cover removal procedures
15. Remove and install seat covers
16. Remove and install personal restraint devices
17. Remove and install active personal restraint devices
18. Identify door component fastening methods
19. Remove and install door trim panels
20. Remove and install door handles
21. Remove and install door lock cylinders
22. Remove and install power door lock/unlock devices
23. Identify body panel fastening methods
24. Identify panel alignment methods
25. Remove and install bumper cover
26. Remove and install hood
27. Remove and install fender
28. Remove and install fixed/power antenna assemblies
29. Remove and install door
30. Identify headlight alignment procedures
31. Align sealed beam headlights
32. Align composite headlights
33. Identify weatherstrip attachment methods
34. Remove and install weatherstrip
35. Identify molding attachment methods
36. Remove and install clip-on moldings
37. Remove and install adhesive moldings
38. Identify emblem attachment methods
39. Remove and install emblems
40. Identify pinstriping methods
41. Identify pinstripe removal methods
42. Perform vinyl pinstripe removal
43. Apply vinyl pinstripe
44. Apply painted pinstripe

45. Apply vinyl transfers
46. Describe aftermarket accessories
47. Remove and install engine and transmission
48. Identify glass service safety
49. Identify types of automotive glass
50. Identify glass service tools and equipment
51. Identify NAGS parts number
52. Locate NAGS part number
53. Identify various types of trim and moldings
54. Identify glass adhesives
55. Identify full cut out method
56. Perform dry fitting glass
57. Identify pinchweld preparation procedures
58. Perform pinchweld preparation procedures
59. Identify glass preparation procedures
60. Perform adhesive set glass installation #1
61. Perform adhesive set glass installation #2
62. Perform locking type gasket glass installation
63. Perform rubber set glass installation
64. Identify road test procedures
65. Perform road test
66. Identify wind noise and water leak test procedures
67. Perform wind noise and water leak test
68. Identify moveable glass adjustment procedures
69. Remove, install and adjust moveable glass
70. Remove and install hinged glass
71. Remove and install run channels
72. Remove and install glass weatherstrip

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

None

**F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

**G. SPECIAL INFORMATION**

None noted