A. Course Description
   - Credits: 4.00
   - Lecture Hours/Week: 1.00
   - Lab Hours/Week: 3.00
   - OJT Hours/Week: 0
   - 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: 8/19/02 – Present

C. Outline of Major Content Areas
   As noted on course syllabus

D. Learning Outcomes
   1. Align composite headlights
   2. Align sealed beam headlights
   3. Apply painted pinstripe
   4. Apply vinyl pinstripe
   5. Apply vinyl transfers
   6. Describe aftermarket accessories
   7. Describe electronic component initialization procedures.
   8. Identify NAGS parts number
   9. Identify body panel fastening methods
   10. Identify door component fastening methods
   11. Identify emblem attachment methods
   12. Identify fasteners
   13. Identify full cut out method
   14. Identify glass adhesives
   15. Identify glass preparation procedures
   16. Identify glass service safety
17. Identify glass service tools and equipment
18. Identify headlight alignment procedures
19. Identify interior components
20. Identify molding attachment methods
21. Identify moveable glass adjustment procedures
22. Identify one time use fasteners
23. Identify panel alignment methods
24. Identify pinchweld preparation procedures
25. Identify pinstripe removal methods
26. Identify pinstriping methods
27. Identify road test procedures
28. Identify seat cover removal procedures
29. Identify trim and hardware safety
30. Identify types of automotive glass
31. Identify various types of trim and moldings
32. Identify weatherstrip attachment methods
33. Identify wind noise and water leak test procedures
34. Initialize electronic components
35. Locate NAGS part number
36. Perform adhesive set glass installation #1
37. Perform adhesive set glass installation #2
38. Perform dry fitting glass
39. Perform locking type gasket glass installation
40. Perform pinchweld preparation procedures
41. Perform road test
42. Perform rubber set glass installation
43. Perform vinyl pinstripe removal
44. Perform wind noise and water leak test
45. Remove and install active personal restraint devices
46. Remove and install adhesive moldings
47. Remove and install bumper cover
48. Remove and install clip-on moldings
49. Remove and install dashboard
50. Remove and install door
51. Remove and install door handles
52. Remove and install door lock cylinders
53. Remove and install door trim panels
54. Remove and install emblems
55. Remove and install engine and transmission
56. Remove and install fender
57. Remove and install fixed/power antenna assemblies
58. Remove and install glass weatherstrip
59. Remove and install headliner
60. Remove and install hinged glass
61. Remove and install hood
62. Remove and install instrument panel
63. Remove and install personal restraint devices
64. Remove and install power door lock/unlock devices
65. Remove and install radio
66. Remove and install run channels
67. Remove and install seat covers
68. Remove and install seats
69. Remove and install steering column
70. Remove and install steering column components
71. Remove and install weatherstrip
72. Remove, install and adjust moveable glass

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

F. Learner Outcomes Assessment
   As noted on course syllabus

G. Special Information
   None noted