# COMMERCIAL AND PRIVATE VEHICLE GRAPHICS INSTALLATION
## Course Syllabus

<table>
<thead>
<tr>
<th>Course Number:</th>
<th>VA-1745</th>
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<tbody>
<tr>
<td>OHLAP Credit:</td>
<td>No</td>
</tr>
<tr>
<td>OCAS Code:</td>
<td>None</td>
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<tr>
<td>Course Length:</td>
<td>90 Hours</td>
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<tr>
<td>Career Cluster:</td>
<td>Arts, A/V Technology &amp; Communications</td>
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<tr>
<td>Career Pathway:</td>
<td>Printing Technology</td>
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<tr>
<td>Career Major(s):</td>
<td>Vinyl and Graphics Installation Specialist</td>
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### Pre-requisite(s):
Provide experienced application services for vehicle wraps, vehicle decals, trailer and fleet graphics, bus wraps, window decals, wall graphics, boat wraps, and other surfaces graphic film will adhere to as well. Showcase advertising, business practices, technical skills, and graphics knowledge.

### Textbooks:
3M Advanced Graphics Installer Training Manual

### Course Objectives:

**A. Demonstrate effective hands-on skills to pass the graphics installation assessment test with a minimum score of 80%.

1. Review Shop Safety Procedures
2. Define tools and chemicals needed for graphics installation.
3. Demonstrate ability to use a torch and heat gun without damaging the vehicles’ surface.
4. Determine media specifications.
5. Practice safe work habits in surface preparation.
7. Demonstrate knowledge of adhesive basics.
8. Recognize memory film basics.
9. Identify out gassing, is causes, and possible solutions
10. Diagnose and correct common installation problems.
11. Identify critical application failures and possible solutions.
12. Demonstrate knowledge of vehicle disassembly
13. Identify proper vehicle surface preparation.
15. Practice positioning a graphic on vehicle using the kit’s layout provided.
16. Employ the tape hinge method.
17. Apply squeegee properly without trapped air or wrinkles.
18. Prepare to cut the vinyl film without damaging the vehicles’ surface.
19. Demonstrate hands-on ability for proper graphics around door moldings and other obstructions.
20. Practice proper graphic installation to a door panel.
21. Properly apply graphic installation to barn door panels or roll up doors.
22. Determine proper cutting/trimming techniques for a panel edge.
23. Show proper use of graphics installation to a door handle.
24. Determine proper cutting/trimming technique for a door handle.
25. Apply film for installation over compound convex curves.
26. Apply film for installation over compound concave curves.
FINISHING OPERATIONS

27. Demonstrate hands-on ability of using the 3M Rollers and a heat gun to apply graphics film to a concave channel.
28. Use proper method for graphics panel matching.
29. Identify the importance of post heating a finished installation.
30. Practice skill for finished edge trimming of all film edges.
31. Demonstrate ability to properly post heat.
32. Identify differences in Application Tapes
33. Utilize proper technique for proper Application Tape removal.
34. Demonstrate ability for graphics alignment for Perforated Window Film.
35. Demonstrate ability for installation and finishing of a Perforated Window Film Graphic.
36. Properly use Knifeless Technologies Tape.

Teaching Methods:
The class will be taught by hands-on demonstration and presentations. Various media materials are used to address various learning styles; Approx. 10% will be in the form of instruction, and 90% will be in the form of the students practicing their hands-on skills.

Grading Procedures:
1. Students are graded on theory and shop practice and performance.
2. Each course must be passed with seventy (70%) percent or better.
3. Grading scale: A=90-100%, B=80-89%, C=70-79%, D=60-69%, F=50-59%.

Description of Classroom, Laboratories, and Equipment:
Tulsa Technology Center campuses are owned and operated by Tulsa Technology Center School District No. 18. All programs provide students the opportunity to work with professionally certified instructors in modern, well-equipped facilities.

Available Certifications/College Credit
The student may be eligible to take state, national or industry exam after completion of the program. College credit may be issued from Oklahoma State University-Okmulgee or Tulsa Community College. See program counselor for additional information.

College Credit Eligibility:
The student must maintain a grade point average of 2.0 or better.