



# COURSE OUTLINE

**Course Name:** Surface Preparation & Masking

**Course Number:** ACRD 2145

**Number of Credits:** 4.0

**Effective Date:** May 2019

**Course Description:**

Students learn techniques to prepare various surfaces for various refinishes. Techniques for masking vehicles for primer and paint are also a focus of this course.

This course is part of the full-time Automotive Collision and Refinishing Diploma program.

**School or Centre:**

School of Trades, Technology & Design

**Year of Study:**

2nd Year Post-secondary

**Course History:**

Replacement Course

**Name of Replacing Course (if applicable):**

ACRD 2100, ACRD 2210

**Course Pre-requisites (if applicable):**

**Course Co-requisites (if applicable):**

**PLAR (Prior Learning Assessment & Recognition)**

No  Yes (details below):

### **Instructional Strategies:**

Instructional strategies may include lectures, demonstrations, case studies, assigned homework, group work, individual work, field trips, and project work in an authentic shop environment.

### **Course Learning Outcomes:**

Upon successful completion of this course, students will be able to:

1. Describe preparation procedures
2. Explain finish conditions
3. Prepare a panel for surface preparation
4. Describe masking materials
5. Describe masking techniques
6. Use masking techniques to protect and prepare a vehicle for primer
7. Use masking techniques to prepare a vehicle for paint
8. Describe stripping techniques
9. Describe sanding materials and equipment
10. Use sanding techniques

### **Program Learning Outcomes:**

Upon completion of this program, graduates will be able to:

1. Apply the skills and knowledge necessary to perform at an apprentice level automotive refinishing, automotive glass or automotive collision technician to provincial standards;
2. Evaluate completed repairs for consistency, accuracy and quality according to industry specifications and standards;
3. Adhere to industry health and safety standards in the repair and reconditioning of automotive vehicles;
4. Practice professional etiquette and personal hygiene while performing repairs;
5. Work effectively as a team member while performing repairs.

## Evaluation/Grading System

| Grading System | Specify if 'Other': | Specify Passing Grade: |
|----------------|---------------------|------------------------|
| Percentages    |                     | 70%                    |

## Components and Weighting of the Assessment/Evaluation Plan:

| Type          | Percentage | Evaluation Plan<br>(provide a brief explanation for each component especially if value exceeds 35%): |
|---------------|------------|--|
| Assignments   | 25         | Quizzes and Assignments (formative - theory)   |
| Exam          | 20         | Theory exam (summative - theory)   |
| Project       | 30         | Practical assignments (preparation, task completion, cleanup, document writing-service report etc.)  |
| Participation | 25         | Observable active participation and team work  |
|               |            |  |
|               |            |  |
| <b>Total</b>  |            | <b>100</b>   |

## Learning Environment/Type

| Instruction Type                  | Hours Per Instruction Type | Comments   |
|-----------------------------------|----------------------------|------------|
| J - Classroom/Online (Mixed Mode) | 25                         |            |
| K - Shop/Teaching Kitchen         | 75                         |            |
|                                   |                            |            |
|                                   |                            |            |
|                                   |                            |            |
| <b>Total</b>                      |                            | <b>100</b> |

## Resource Material(s):

Resources are items in addition to tuition that the student is responsible for purchasing. Course resource information will be supplied by the department/instructor.

**Course Topics:**

Substrate Preparation  
Masking  
Striping Coatings  
Sanding Materials and Equipment  
Sanding Techniques

## VCC Education and Education Support Policies

There are a number of **Education** and **Education Support** policies that govern your educational experience at VCC, please familiarize yourself with them.

The policies are located on the VCC web site at:

<http://www.vcc.ca/about/governance--policies/policies/>

To find out how this course transfers, visit the BC Transfer Guide at [www.bctransferguide.ca](http://www.bctransferguide.ca).

### FOR COMMITTEE USE ONLY

|                                   |                  |                                |                   |
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| Approved by Curriculum Committee: | October 16, 2018 | Approved by Education Council: | November 13, 2018 |
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