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# ACRP 1101: Automotive Collision and Refinish Common Core Apprentice Level 1

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## EFFECTIVE DATE

September 2021

## DEPARTMENT

Auto Collision Apprenticeship

## DESCRIPTION

This 7 week (210 hour) course provides the Level 1 technical training component of the Provincial Auto Body and Collision Technician program and, the Automotive Refinishing Technician program. Major topics include occupational safety, tools and equipment, welding/cutting/heating processes, organization and documentation, metal and plastics repair and replacement, automobile construction and surface preparation/refinishing. Upon successful completion of this level of technical training students are eligible to write an ITA Standardized Exam. The VCC training grade is blended with the ITA Exam mark at 80%/20% to determine an overall final grade. Students achieving a blended grade of 70% or greater are eligible to: - receive 210 hours ITA Work-Based Training credit; - advance to Auto Body and Collision Technician Level 2; - advance to Automotive Refinishing Technician Level 2.

## CREDITS

9.0

## YEAR OF STUDY

1st Year Post-secondary

## PREREQUISITES

Students must be registered apprentices in the Automotive Collision, Refinishing Prep, or Refinishing Technician trades with the Industry Training Authority of B.C. (ITA) and have received an Apprentice Identification number.

## COREQUISITES

None

## COURSE LEARNING OUTCOMES

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

- Adhere to industry health and safety standards in the repair and reconditioning of automotive vehicles (A1-A2).

- Maintain tools and equipment to ensure top performance, safety and environmental compliance (B1-B7).
- Perform cutting, welding and heating processes to industry and vehicle manufacturers' standards (C1-C3).
- Analyze vehicle conditions and documentation to develop organized repair plans (D1-D4).
- Use communication techniques to build and maintain professional industry and customer relations (E1).
- Remove and install vehicle components to manufacturers fit and finish standards (F1-F3).
- Prepare surfaces for refinishing accounting for substrate conditions and manufacturers' specifications (G1-G4).
- Use repair materials and equipment in preparation for top-coat application in accordance with manufacturers' specifications (H1-H4).
- Perform top-coating procedures to achieve a variety of original equipment (OE) finishes (I1-I4).
- Remove, repair and install metal panels and components to original contour, fit and finish (K1-K5).
- Remove, repair and install plastic panels and components and composites to original contour, fit and finish (L1-L5).
- Perform automotive detailing tasks and inspect repaired vehicles according to quality assurance standards (M1-M2).

## **PRIOR LEARNING ASSESSMENT & RECOGNITION (PLAR)**

None

## **HOURS**

Lecture: 80

Lab: 130

## **INSTRUCTIONAL STRATEGIES**

This course provides a wide range of opportunities for student learning in classroom and shop settings. In addition to hands-on practical experience at VCC's own state of the art automotive collision repair and refinishing facility learning activities such as lectures, demonstrations, individual and group project based learning strategies may be used throughout the course. Students may access learning materials and course evaluations using VCC's online course management system. Attendance and Participation Given the industrial nature of this course professional and safe work practice is of critical importance. A student may be withdrawn from the course for safety concerns and/or an inability to meet professional practice standards due to inadequate attendance. Excused absences are those reported in advance of a scheduled class, wherever possible, or if appropriate documentation can be provided for the time missed. Other absences will be reported as unexcused, and an excess of unexcused absences may result in a student being withdrawn from the course.

## **GRADING SYSTEM**

Percentages-ITA

## **PASSING GRADE**

70

## **EVALUATION PLAN**

Type	Percentage	Assessment activity
Quizzes/Tests	40	Formative theory quizzes
Final Exam	20	Summative theory exam
Assignments	40	In-shop practical evaluations

## COURSE TOPICS

- Occupational Safety
- Tools and Equipment
- Oxyacetylene Heating and Cutting Procedures
- Gas Metal Arc Welding Steel Sheet Metal
- Work Organization, Repair Plans and Communications
- Auto Body Construction and Components
- Sheet Metal Repair and Replacement
- Plastics and Composites
- Refinish Coatings
- Surface Preparation
- Refinish Application
- Vehicle Detailing and Quality Control

## LEARNING RESOURCES

None

Notes:

- Course contents and descriptions, offerings and schedules are subject to change without notice.
- Students are required to follow all College policies including ones that govern their educational experience at VCC. Policies are available on the VCC website at:  
<https://www.vcc.ca/about/governance--policies/policies/>.
- To find out how this course transfers, visit the BC Transfer Guide at <https://www.bctransferguide.ca>.

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1155 East Broadway  
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**Downtown campus**

250 West Pender Street  
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**Annacis Island campus**

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[vcc.ca](https://vcc.ca)

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