



# ACRF 1160: Plastic Panels and Components

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## EFFECTIVE DATE

September 2021

## DEPARTMENT

Automotive Collision Repair

## DESCRIPTION

This course introduces students to automotive plastics identification, repair tools and equipment, and repair techniques. Students perform adhesive and weld repairs to rigid and flexible plastic interior and exterior parts.

## CREDITS

2.0

## YEAR OF STUDY

1st Year Post-secondary

## PREREQUISITES

None

## COREQUISITES

None

## COURSE LEARNING OUTCOMES

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

- Identify plastic characteristics and applications.
- Describe methods of plastic identification.
- Describe damage conditions and repair considerations.
- Remove plastic panels in preparation for repairs.
- Perform repair preparations on various plastic types.
- Perform repair on plastic panel using hot-air welding procedures.
- Perform repair on plastic panel using airless welding procedures.
- Perform repair on plastic panel using adhesive repair procedures.
- Install plastic panels and components to industry standards for fit and finish.

## PRIOR LEARNING ASSESSMENT & RECOGNITION (PLAR)

None

## HOURS

Lecture: 20

Lab: 30

## INSTRUCTIONAL STRATEGIES

Instructional strategies include: Lectures, demonstrations, group work, individual work, field trips, and project work in an authentic shop environment.

## GRADING SYSTEM

Percentages-ITA

## PASSING GRADE

70

## EVALUATION PLAN

Type	Percentage	Assessment activity
Quizzes/Tests	30	Formative theory (quizzes and assignments)
Exam	20	Summative theory
Assignments	30	Performance evaluations
Participation	20	Active participation, teamwork, and safety demerits

## COURSE TOPICS

- Safety and Plastic Identification
- Cleaning, Damage Types and Repair Techniques
- Adhesive Repairs
- Welded and Combination Repairs
- Thermoplastic Repair Procedures
- Thermoset Plastic Repair Procedures
- Additional Repair Considerations

## 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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### Broadway campus

1155 East Broadway  
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### Downtown campus

250 West Pender Street  
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### Annacis Island campus

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