



COURSE OUTLINE

Course Name: Plastics and Composites 2

Course Number: ACRT 1215

Number of Credits: 1.0

Effective Date: January 2019

Course Description:

Building on ACRT 1115 Plastics Repair 1 this course focuses on more complex plastics repairs requiring a higher level of skill development. Students will also be introduced to fibre reinforced plastics repair processes such as sheet mold compound and carbon fibre.

This course is part of the full-time Auto Collision Repair Technician Certificate and Auto Collision Repair Technician High School Certificate programs.

School or Centre:

School of Trades, Technology & Design

Year of Study:

1st Year Post-secondary

Course History:

Revised Course

Name of Replacing Course (if applicable):

Course Pre-requisites (if applicable):

Successful completion of ACRT 1115 Plastics and Composites 1

Course Co-requisites (if applicable):

PLAR (Prior Learning Assessment & Recognition)

No Yes (details below):

Instructional Strategies:

Instructional strategies include: Lectures, demonstrations, 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 fibre reinforced plastic repair materials, tools and equipment
2. Describe fibre reinforced plastics repair processes
3. Describe complex adhesive plastic repair techniques
4. Perform complex interior and exterior plastic repairs

Program Learning Outcomes:

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

1. Apply the skills and knowledge necessary to perform as a Level 1 Automotive Collision Repair Technician as per the Industry Training Authority of British Columbia, provincial program 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 in a team environment;
5. Apply occupational essential skills outlined by Essential Skills Development Canada in the Essential Skills profile for Motor Vehicle Body Repairers.

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 (provide a brief explanation for each component especially if value exceeds 35%):
Quizzes/Tests	30	Formative theory (quizzes and assignments)
Exam	20	Summative theory
Assignments	30	Performance evaluations
Participation	20	Active participation, teamwork, attendance and safety demerits
Total		100

Learning Environment/Type

Instruction Type	Hours Per Instruction Type	Comments
J - Classroom/Online (Mixed Mode)	5	
B - Lab (Computer, Chemistry...)	20	
Total		25

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:

Fibre Reinforced Plastics
Sheet Mold Compound
Carbon Fibre

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.

FOR COMMITTEE USE ONLY

Approved by Curriculum Committee:	September 18, 2018	Approved by Education Council:	October 9, 2018
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