



COURSE OUTLINE

Course Name: Auto Collision Repair Technician Apprentice Level 1

Course Number: ACAP 1001

Number of Credits: 5.5

Effective Date: January 2019

Course Description:

This course provides the Level 1 technical training component of the provincial Motor Vehicle Body Repairer (Automotive Collision Repair Technician) apprentice program.

Topics focus on occupational safety, tools and equipment, welding/cutting/heating processes, sheet metal and plastics repair and replacement in addition to automobile construction and surface refinishing preparation.

Students achieving a blended VCC / ITA (level exam) grade of 70% or greater are eligible to advance to Level 2 Technical Training and to receive 150 hours Work-Based Training credit.

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):

Students must be registered with the Industry Training Authority of BC (ITA) and have received an Apprentice Identification number.

Course Co-requisites (if applicable):

PLAR (Prior Learning Assessment & Recognition)

No Yes (details below):

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.

Course Learning Outcomes:

1. A1-A6 Describe occupational skills and safety in the collision repair industry
2. B1-B4 Describe tools, equipment and fasteners
3. B4-AC Access and Interpret OEM specifications and repair procedures
4. C1-C2-AC Perform Oxyacetylene procedures in a safe manner
5. D1-D3-AC Perform Gas Metal Arc (MIG) welding procedures according to industry standards and manufacturers recommendations
6. D4 Describe plasma arc cutting
7. D5 Perform resistance spot welding (STRSW) procedures according to industry standards and manufacturers recommendations
8. E1 Describe the characteristics of sheet metal
9. E2 Describe the types of basic sheet metal damage
10. E3 Identify sheet metal repair tools and equipment
11. E4-AC Perform minor repairs to sheet metal damage
12. F1-F3-AC Perform plastic repair techniques
13. G1-G4-AC Prepare surfaces for undercoats/primers
14. G5-AC Apply undercoats/primers to prepared surfaces
15. G6 Identify corrosion protection techniques
16. H1 Identify automobile construction types
17. H2-AC Perform panel alignment procedures
18. H3-H6 Describe servicing procedures for vehicle components

Program Learning Outcomes:

Course Topics:

Occupational Skills and Safety
Tools and Equipment
Oxyacetylene Procedures
Welding
Sheet Metal Repair
Plastics and Composites
Surface Preparation
Auto Body Construction and Components

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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