

# AUTO BODY AND COLLISION TECHNICIAN APPRENTICE - HARMONIZED (ACAP)

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## ACAP 2002 Credits: 8

### Auto Body Appr Harm Lvl 2 Total Hours: 180

This course provides the Level 2 technical training component of the provincial Auto Body and Collision Technician apprentice program. Students learn about vehicle construction and components, corrosion protection, complex sheet metal repair and door skin replacement, aluminum MIG welding and panel repair, and refinishing environments and materials. A focus is placed on workplace organization and repair planning throughout the course. Students achieving a VCC grade of 70% or greater are eligible for the SkilledTradesBC Standardized Written Exam. The VCC training grade is blended with the SkilledTradesBC Exam mark at 80%/20% to determine an overall final grade. Students achieving a blended grade of 70% or greater are eligible to: - receive SkilledTradesBC Technical Training credit for Auto Body and Collision Technician Level 2 - advance to Auto Body and Collision Technician Level 3

**Pre-requisite(s):** Students must be registered with SkilledTradesBC and have received an Apprentice Identification number; and have completed: Automotive Collision Refinishing Common Core Level 1 (Harmonized), or Automotive Collision and Refinish Foundation (Harmonized), or Automotive Collision Repair Technician Level 1 (pre-April 2021)\*, or Automotive Collision Repair Foundation Certificate (pre-April 2021)\*  
\*Note: Students transitioning from the pre-April 2021 MVBR program are subject to a co-requisite for this course: Please refer to Course Co-requisites

**Co-requisite(s):** Students transitioning from the pre-April 2021 MVBR program (Automotive Collision Repair Technician Level 1 or Automotive Collision Repair Foundation Certificate) are subject to a gap-training module as a co-requisite for this course: This 14-hour module may include online self-study material and additional face-to-face instruction, and must be successfully completed during this course

## ACAP 2003 Credits: 9

### Auto Body Appr Harm Lvl 2 (E) Total Hours: 250

This E-pprentice/alternate delivery course provides the Level 2 technical training component of the Provincial Auto Body and Collision Technician program. Using alternate delivery methods, this course requires only 2 weeks of on-campus training as opposed to the 5-week traditional course format. This is made possible with self-paced online studies, workplace assignments, and focused competency-based on-campus experience. Note: On-campus training may be delivered in multiple sessions. Students learn about vehicle construction and components, corrosion protection, complex sheet metal repair and door skin replacement, aluminum MIG welding and panel repair, and refinishing environments and materials. A focus is placed on workplace organization and repair planning throughout the course. Students achieving a VCC grade of 70% or greater are eligible for the SkilledTradesBC Standardized Written Exam. The VCC training grade is blended with the SkilledTradesBC Exam mark at 80%/20% to determine an overall final grade. Students achieving a blended grade of 70% or greater are eligible to: - receive SkilledTradesBC Technical Training credit for Auto Body and Collision Technician Level 2 - advance to Auto Body and Collision Technician Level 3

**Pre-requisite(s):** Students must be registered with SkilledTradesBC and have received an Apprentice Identification Number AND have completed Automotive Collision Refinishing Common Core Level 1 (Harmonized) OR Automotive Collision and Refinish Foundation (Harmonized) OR Automotive Collision Repair Technician Level 1 (pre-April 2021) OR Automotive Collision Repair Foundation Certificate (pre-April 2021); Students transitioning from the pre-April 2021 MVBR program are subject to a co-requisite for this course

**Co-requisite(s):** Students transitioning from the pre-April 2021 MVBR program (Automotive Collision Repair Technician Level 1 or Automotive Collision Repair Foundation Certificate) must successfully complete a 14-hour gap-training module, that may include online self-study material and additional face-to-face instruction

**ACAP 3002 Credits: 8****Auto Body Appr Harm Lvl 3 Total Hours: 180**

This course provides the Level 3 technical training component of the provincial Auto Body and Collision Technician apprentice program. In this course students learn to prepare for structural repairs including structural measuring and component removal. Advanced welding is a focus including squeeze-type resistance spot welding (STRSW), bronze welding, and multi-position steel structural welding. Students receive hands-on training for repair, replacement, and sectioning procedures for welded-on, weld-bonded and rivet-bonded body panels. Mechanical components such as; heating, cooling, climate control, powertrain, exhaust, fuel systems and the deactivation/reactivation of alternate fuel systems are also addressed. Additionally, basic electrical component diagnosis and repair, supplemental restrain systems, pre/post-scanning, damage estimating, and final inspections are explored. Students achieving a VCC grade of 70% or greater are eligible for the SkilledTradesBC Standardized Written Exam. The VCC training grade is blended with the SkilledTradesBC Exam mark at 80%/20% to determine an overall final grade. Students achieving a blended grade of 70% or greater are eligible to: - receive SkilledTradesBC Technical Training credit for Auto Body and Collision Technician Level 3 - advance to Auto Body and Collision Technician Level 4

**Pre-requisite(s):** Students must be registered with SkilledTradesBC and have received an Apprentice Identification Number AND ACAP 2002 Auto Body and Collision Technician Apprentice Level 2 OR ACAP 2003 Auto Body and Collision Technician Apprentice Level 2 (E-pprentice) OR ACAP 2001 Automotive Collision Repair Technician Level 2 (pre-April 2021); Students transitioning from the pre-April 2021 MVBR program are subject to a co-requisite for this course

**Co-requisite(s):** Students transitioning from the pre-April 2021 MVBR program (Automotive Collision Repair Technician Level 2) must successfully complete a 36-hour gap-training module as a co-requisite for this course, which may include online self-study material and additional face-to-face instruction

**ACAP 3003 Credits: 9****Auto Body Appr Harm Lvl 3 (E) Total Hours: 250**

This E-pprentice/alternate delivery course provides the Level 3 technical training component of the Provincial Auto Body and Collision Technician apprentice program. It requires only 2 weeks of on-campus training as opposed to the 5 week traditional course format. This is made possible with self-paced online studies, workplace assignments, and focused competency-based on-campus experience. Note: On-campus training may be delivered in multiple sessions. In this course students learn to prepare for structural repairs including structural measuring and component removal. Advanced welding is a focus including squeeze-type resistance spot welding (STRSW), bronze welding, and multi-position steel structural welding. Students receive hands-on training for repair, replacement, and sectioning procedures for welded-on, weld-bonded and rivet-bonded body panels. Mechanical components such as; heating, cooling, climate control, powertrain, exhaust, fuel systems and the deactivation/reactivation of alternate fuel systems are also addressed. Additionally, basic electrical component diagnosis and repair, supplemental restrain systems, pre/post-scanning, damage estimating, and final inspections are explored. Students achieving a VCC grade of 70% or greater are eligible for the SkilledTradesBC Standardized Written Exam. The VCC training grade is blended with the SkilledTradesBC Exam mark at 80%/20% to determine an overall final grade. Students achieving a blended grade of 70% or greater are eligible to: - receive SkilledTradesBC Technical Training credit for Auto Body and Collision Technician Level 3 - advance to Auto Body and Collision Technician Level 4

**Pre-requisite(s):** Students must be registered with SkilledTradesBC and have received an Apprentice Identification Number AND ACAP 2002 Auto Body and Collision Technician Apprentice Level 2 OR ACAP 2003 Auto Body and Collision Technician Apprentice Level 2 (E-pprentice) OR ACAP 2001 Automotive Collision Repair Technician Level 2 (pre-April 2021); Students transitioning from the pre-April 2021 MVBR program are subject to a co-requisite for this course

**Co-requisite(s):** Students transitioning from the pre-April 2021 MVBR program (Automotive Collision Repair Technician Level 2) must successfully complete a 36-hour gap-training module, which may include online self-study material and additional face-to-face instruction