



“Auto Collision & Refinishing Tech” Foundation Youth Train in Trades Program



This program is designed for people who wish to obtain employment in the Automotive Industry as an Automotive Collision Repair Technician or an Automotive Paint Technician.

An Automotive Collision Repair Technician restores the structural integrity of damaged vehicles by straightening vehicle structure, repairing, or removing damaged sections and priming and preparing and applying refinishing products to repaired surfaces. As an Automotive Collision Repair Technician, you will also repair and/or replace glass and interior and exterior components of the vehicle. Duties also include verifying dimensional accuracy, system functions, passenger protection, proper alignment, and proper handling.

A first-level Automotive Refinishing Technician typically removes parts, masks, performs chemical cleaning, applies putty, sands, primes, and prepares an automobile, truck, or bus for the Automotive Refinishing Technician in a safe and environmentally sound manner.

Graduates receive a *VCC Auto Collision and Refinishing Foundation Certificate*. Additionally, graduates receive the following credit by the Industry Training Authority (ITA):

- Foundation Program Credit toward Apprenticeship: Common Core Level 1 Technical Training
 - Auto Body and Collision Technician – Certificate of Completion
 - 625 hours toward Auto Body and Collision Technician
 - Automotive Refinishing Technician – Certificate of Completion
 - 450 hours toward Automotive Refinishing Technician

Admission Requirements

Interested students are directed to contact the Career Program Coordinator (Doug MacLean: dmaclean@sd43.bc.ca or (cell) 604-341-8977), Post Secondary & Careers Advisor, or high school counselor in their school district – do not apply directly to VCC. All students must have minimum basic computer skills and access to an internet-connected computer/mobile device. Must have all ‘core’ grade 11 classes completed (and ideally an auto class) and a plan to do English 12.

Schedule, Costs + Location

Cohorts will run:

- **Monday – Thursday** from **8.00am – 3.00pm**... there is no school on Fridays
- at **VCC ‘Broadway Campus’** – located at 1155 E Broadway, Vancouver (easily accessible by SkyTrain)

There will be **2** designated high school Foundation programs per year, each **35 weeks in duration**:

- **September 27, 2021** – June 9, 2022 (note: no Spring Break or pro-d days... you will be at VCC)
- **February 14, 2022**- October 13, 2022 (note: no Spring/Summer Breaks or pro-d days... you will be at VCC)

Students will require to provide their own CSA-approved safety boots and clear safety glasses. There will be a program fee of approximately **\$350** to cover additional costs (ex: respirator, reading material, etc).

Additional Adult Foundation programs will run throughout the year with the potential to blend in secondary students if appropriate.

Program Learning Outcomes

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

- Adhere to industry health and safety standards in the repair and reconditioning of automotive vehicles
- Maintain tools and equipment to ensure top performance, safety and environmental compliance
- Perform cutting, welding, and heating processes to industry and vehicle manufacturers’ standards
- Analyze vehicle conditions and documentation to develop organized repair plans
- Use communication techniques to build and maintain professional industry and customer relations
- Remove and install vehicle components to manufacturers fit and finish standards
- Prepare surfaces for refinishing accounting for substrate conditions and manufacturers’ specifications

- Use repair materials and equipment in preparation for top-coat application in accordance with manufacturers' specifications
- Perform top-coating procedures to achieve a variety of original equipment (OE) finishes
- Remove, repair, and install metal panels and components to original contour, fit and finish
- Remove, repair, and install plastic panels and components to original contour, fit and finish
- Perform automotive detailing tasks and inspect repaired vehicles according to quality assurance standards

Instructional Strategies, Design, + Delivery Mode

This program provides a wide range of opportunities for student learning in classroom, shop, and workplace settings. In addition to hands-on practical experience in VCC's automotive collision repair and refinishing facility, instructional activities such as lectures, demonstrations, group work, peer assessment, and project based learning strategies may be used throughout the program.

Presently, due to CoVid19, this program is being offered in a hybrid delivery. Instructors will deliver a mix of theory classes over zoom and face to face shop sessions at VCC Broadway campus throughout the program. This may change given direction from WorkSafeBC and the BC Provincial Health Organization.

Evaluation

Evaluation for this program includes theory quizzes and exams, practical performance-based lab and shop assignments, and problem-based learning projects in a real shop environment.

Attendance + Participation

Given the industrial nature of this program, professional and safe work practice is critical. A student may be withdrawn from the program for safety concerns and/or an inability to meet professional practice standards due to a failure to meet attendance requirements.

Excused absences are those reported in advance of the absence, wherever possible, or that suitable documentation be provided to support the absence. All other will be reported as unexcused absences.

Recommended Characteristics of Students

- Personal hygiene, grooming and appearance acceptable to a service industry
- Good hand dexterity for operating equipment and machines
- Ability to understand and follow verbal and written instruction
- Good general health and respiratory condition
- Physical strength and stamina compatible with the handling of heavy parts/equipment (as required by the program)
- Ability to tolerate noise and vibration
- Mechanical aptitude and interest
- Good hand-eye coordination
- Good eyesight and colour vision
- Good line, form, and depth perception
- Possession of valid BC driver's license

Topics Covered

- Occupational Safety
- Industry Readiness
- Construction and Components
- Tools, Equipment and Maintenance
- Welding, Heating and Cutting Steel
- Metal Panels and Components
- Plastic Panels and Components
- Organize, Document and Communicate
- Refinish Preparation
- Refinish Application
- Interior and Exterior Detailing