





x Program outline

Rationale:

Historically, students had an option of taking either HSW 123 or SOCW 200A to meet program requirements and both have similar learning outcomes. However, SOCW200A is also a university transfer course and more students have been taking this course to enable better transferability to university programs. An increasing need for a concentrated focus on applied professionalism skills and values, professional communication, objective report writing and self-care strategies was identified in the last Tier III review therefore a new course, HSW 100 will replace HSW 123.

Graduation requirements:

Current:

HSW 102, HSW 106, HSW 107, HSW 108, HSW 111, HSW 114, HSW 122, HSW 123 or SOCW 200A; HSW 124, HSW 130, HSW 205, HSW 206, HSW 210, HSW 211, HSW 220, HSW 230; SOCW 200B; ENGL 100, ENGL 150 or ENGL 151; PSYC 111, PSYC 121, PSYC 220; Plus 3 UT Electives (9 credits)

Proposed:

HSW 100, HSW 102, HSW 106, HSW 107, HSW 108, HSW 111, HSW 114, HSW 122; SOCW 200A; HSW 124, HSW 130, HSW 205, HSW 206, HSW 210, HSW 211, HSW 220, HSW 230; SOCW 200B; ENGL100, 1ENGL 150 or ENGL 151; PSYC 111, PSYC 121, PSYC 220; 2 UT Electives (6 credits)

Reason:

SOCW 200A will become a mandatory course and HSW 123 will be removed from the offerings. HSW 100 will be added as a new additional core mandatory 3 credit course. This addit74 TD471 11.-w additc.

preparation, automotive refinishing, automotive collision repair and auto glass repair and replacement. Each of these areas will be covered providing the graduate with completion of four modules of level one technical training. Upon successful completion of the technical training, students will be eligible to write the provincial Industry Training Authority standardized examinations.

Admission requirements:

- B.C. secondary school graduation, or equivalent, or 19 years of age and out of secondary school for at least one year as of the first day of classes.
- English 11 with minimum 50% or equivalent or an IELTS 6.0 (no band less than 5.5) or TOEFL 60.
- A minimum 50% in one of:  
 Mathematics Grade 10  
 Foundations of Mathematics and Pre-calculus Grade 10  
 Both Adult Basic Education Math 071/072  
 Or a minimum of 50% in the ABLE mathematics test.
- Relevant trades experience may be assessed for entry into this program.
- Year Two entry - A student who has successfully completed the Collision Repair/Refinishing Prep Technician Foundation Program within the previous five years is also eligible for admittance into the second year of this diploma program.

Residency requirements:

This program must be completed in its entirety at Okanagan College.

Graduation requirements:

Graduates must complete the 22 courses with a minimum passing grade of 60% in each course. Students must achieve an overall average grade of 70% in each year.

Graduates receive an Okanagan College Collision Repair and Refinishing Diploma

Courses/hours:

Course #	Course Name	Course Hours
Year 1		
CRRD 110	Workplace Safety	30
CRRD 115	Tools and Equipment	60
CRRD 120	Collision Facility Operations	30
CRRD 125	Essential Trade Skills	60
CRRD 130	Cutting and Heating Technologies	30
CRRD 135	Welding	120
CRRD 140	Fundamentals of -	60



**CRRD 145 SHEET METAL/ALUMINUM REPAIR**

This course introduces students to the properties and characteristics of sheet metal and aluminum, the tools and equipment used for repair, and the methods for patching, roughing, and applying plastic body fillers to damaged areas.

Prerequisites: CRRD 115

**CRRD 150 PLASTICS AND COMPOSITE REPAIR**

This course involves the repair and replacement of multiple types of plastics found on today's modern vehicles. Topics include means of identification, plastic welding, adhesive repair using the latest materials and techniques found in industry.

Prerequisites: CRRD 115

**CRRD 155 SURFACE PREPARATION**

This course exposes students to the various steps involved in preparing a vehicle surface for the refinishing process. Substrate evaluation, abrasives, masking, specialized tools and sanding techniques are covered in this course.

Prerequisites: CRRD 115

**CRRD 160 UNDERCOATS**

During this course students identify the four types of undercoats, correct mixing procedures and application sequence and methods. Other topics included are corrosion protection, seam sealing, and application of anti-corrosion compounds used in the automotive refinishing industry.

Prerequisites: CRRD 115

**Year Two**

**CRRD 210 PLAN WORK**

This course introduces students to the different stages of inspection prior to and during the repair process that contributes to the estimate and organization of a production schedule. Other topics include painter specific documentation, software, inventory and new repair material technologies.

Prerequisites: Successful completion of year one of the Collision Repair and Refinishing Diploma

**CRRD 215 TRADE PRACTICE**

During this course students enter an industry body shop for a two-week work experience period. Students are working side by side with a certified journey person. focus will be on occupational health and safety standards, tools and equipment, spray guns, oxyacetylene and metal inert gas (mig) welding, removal and installation of vehicle components, sheet metal repair, plastic and composite repairs, surface preparation, and application of undercoats.

Prerequisites: Successful completion of year one of the Collision Repair and Refinishing Diploma

**CRRD 220 TOPCOATS**

This course exposes the student to the various types, proper use, and application techniques of automotive topcoats used in the refinishing process. Included topics are spot repairs, blending, and color match adjustments.

Prerequisites: Successful completion of year one of the Collision Repair and Refinishing Diploma

**CRRD 225 PAINT PROBLEMS AND REPAIRS**

During this course students identify topcoat conditions, potential paint damage, correct repair procedures and recognize and identify the various causes of refinishing problems.

Prerequisites: successful completion of year one of the Collision Repair and Refinishing Diploma

#### CRRD 230                    PRE-DELIVERY

This course introduces students to the steps and techniques in preparing a refinished vehicle for delivery to the customer. Topics include polishing processes, exterior vehicle cleaning, interior vehicle cleaning, over spray removal and decal, trim, stripe applications.

Prerequisites: successful completion of year one of the Collision Repair and Refinishing Diploma

#### CRRD 235                    MECHANICAL COMPONENTS

This course gives the student the ability to service components related to the heating, cooling and air condition system. Topics will include evacuation and recharging of a/c, basic electrical wiring, restraints, drive train, and scan tool devices used to diagnose fault codes.

Prerequisites: Successful completion of year one of the Collision Repair and Refinishing Diploma

