

IDAHO STATE UNIVERSITY COLLEGE OF TECHNOLOGY

PROGRAM TITLE: AUTOMOTIVE COLLISION REPAIR & REFINISHING

Information included in this handout may change at any time without notice and should not be considered as a binding contract between Idaho State University and students.

Program Options & Length:

Automotive Collision Repair, Technical Certificate	2 ½ Semesters
Automotive Refinishing, Technical Certificate	2 ½ Semesters
Automotive Collision Repair & Refinishing, Advanced Technical Certificate	4 Semesters
Automotive Collision Repair & Refinishing, Associate of Applied Science degree	4 ½ Semesters

**Entry dates
for this program:**
August and January

**Approximate cost
for books, tools,
& supplies:**
\$1,906 to \$2,286
(See below for registration
fees.)

**For more information,
Contact:**
Idaho State University
College of Technology
Student Services Office
Campus Box 8380
Pocatello, ID 83209-8380
208-282-2622
e-mail: ctech@isu.edu
www.isu.edu/ctech/

Job Description: Automotive Collision Repair and Refinishing technicians repair damaged vehicle bodies and body parts from complete body off-frame repair to the smallest door dent in the body and then refinish the color to make it look like new again. We examine vehicles to determine type and extent of the damage by analyzing the best way to repair the damage. We teach the removal of all types of interior and exterior trim so we may either repair or replace any panel on the vehicle, as well as grills, bumpers, both steel and soft cover. We remove and replace all types of weld-on panels and bolt-on panels, along with plasma cutting; we teach resistance spot welding, M.I.G. welding, use oxyacetylene for cutting, heating, and stress relieving. We straighten frames and align bodies for proper fit with hydraulics and frame machines, using both portable and dedicated machines. We teach both metal finishing and the use of body fillers with both air and electric power tools. We teach corrosion protection and prevention in all collision and refinishing.

Refinishing starts by properly sanding and then priming to obtain corrosion protection and to fill minor imperfections; blocking, masking, sealing and then top-coating with a quality, single-stage or a two-stage base coat paint followed by a high gloss clear coat. The ultimate finish is a tri-coat, pearl type paint that is very popular in this day of high-tech products. We also repair and refinish by blending paints of all colors. We mix all our own paint.

Aptitudes and Interests: Use independent judgment in planning work and in selecting the proper tools for the job, use fingers and hands rapidly and skillfully, manipulate small and large tools and equipment accurately, distinguish colors for color-matching and painting. Workers should be willing to assume responsibility for quality of work, be tactful in dealing with customers, and be interested in doing mechanical work.

Educational and Other Requirements: Must possess a driver's license; it is necessary to test drive vehicles and move cars in and out of the shop. You should be able to drive both a manual and automatic shift vehicle, and be willing to purchase your own tools. Completion of high school or GED is required.

Helpful High School Courses:

Auto Body Repair and Refinishing	Machine Shop
Automobile Mechanics	Sheet Metal
Basic Mathematics	Welding

TUITION AND FEES

Fees apply to the current Idaho State University fee schedule located at <http://www.isu.edu/finserv/costinfo.shtml>.

Fees include **mandatory** student health insurance, any student with existing health insurance coverage may be exempt and waivers are available at <http://www.isu.edu/stuhlth/insurance/pp.html>.

ADMISSION STEPS

- Complete and return an Application for Admission along with a check or money order for \$40 (non-refundable), payable to Idaho State University. You may also apply online via the Idaho State University home page: www.isu.edu. Click on Prospective Students.
- Submit official college transcripts, if applicable, from each accredited institution of higher education that you have attended.
- Submit an official copy of your high school transcript or GED scores (Not required if you have completed and submitted proof of 14 or more academic credits from an accredited institution of higher education.)
- Meet with a College of Technology counselor, if desired, to obtain more in-depth information. To make an appointment, call (208)282-2622.
- Either:
 1. Complete the COMPASS Placement test. This test enables us to place you in the appropriate classes to enhance your success in college.
 2. Submit ACT/SAT scores, valid for seven (7) years from the date of testing. ACT scores are not required for acceptance to the College of Technology, however they are required to qualify for some scholarships
- Apply for financial aid if needed. Questions, call (208) 282-2756.
- Former College of Technology students who have been out of school one semester or more must complete the necessary forms in the Student Services office before returning to the program. Re-entering student must meet the requirements as outlined in the catalog effective at the date of their re-enrollment.

Idaho State University subscribes to the principles and laws of the State of Idaho and the federal government, including applicable executive orders pertaining to civil rights. All rights, privileges, and activities of the University are made available without regard to race, creed, color, sex, age, disability, national origin or veteran status. The University is an Equal Opportunity and Affirmative Action employer. Evidence of practices that are not consistent with such a policy should be reported to: Leonard E. "Buddy" Frazier, Affirmative Action Director; Museum Building, Room 422 Box 8315. E-mail frazleon@isu.edu, (208) 282-3964.

Idaho State University is committed to equal opportunity in education for all students, including those with documented disabilities. If you have a diagnosed disability or if you believe that you have a disability that might require reasonable accommodations, please contact: Dennis J. Toney, ADA Disabilities and Resource Center Director; Gravelly Hall, Room 123 Box 8121. E-mail tonedenn@isu.edu, (208)282-3599.

Licensure, certification, and/or employment applications related to some degree programs require students to disclose any history of criminal prosecution which may include the student's driving record. Students who have a criminal history are strongly encouraged to contact the licensing agency or meet with the coordinator of the program they are interested in, prior to beginning classes, to discuss potential impediments to licensure, certification, or employment.

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COURSE SEQUENCE

1st Semester

Cert	ATC	AAS	Course #	Course Title	Credits
x	x	x	ACRR 146	Introduction to Automotive Collision and Refinishing	8
x	x	x	ACRR 147	Minor Collision Repair and Refinishing	8

2nd Semester

Cert	ATC	AAS	Course #	Course Title	Credits
x	x	x	ACRR 160	Advanced Refinishing I	8
x	x	x	ACRR 161	Advanced Refinishing II	8

3rd Semester

Cert	ATC	AAS	Course #	Course Title	Credits
x	x	x	ACRR 162	Advanced Refinishing III	8
x	x	x	ACRR 210	Advanced Collision Repair I	8

4th Semester

Cert	ATC	AAS	Course #	Course Title	Credits
x	x	x	ACRR 211	Advanced Collision Repair II	8
x	x	x	ACRR 212	Advanced Collision Repair III	8

Students will also need to schedule the following classes if they are seeking the Associate of Applied Science degree: six (6) credits in communication from Goal 1 (ENGL 101, 102); three (3) credits from Goal 3 (mathematics); three (3) credits from Goals 6, 7, 9, 10A, 11, or 12; and four (4) additional credits from any courses meeting the requirements of Goals 2 through 12.

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BOOK AND TOOL LIST

Textbooks may be purchased at the University Bookstore located at the Pond Student Union - Building #14. Textbooks may also be purchased or reserved on-line through www.efollett.com or the bookstore's website at www.isu.edu/bookstor. Payments may be made with cash, check, VISA, MasterCard, American Express, or Discover. A shipping charge will be added for mail orders. See the bookstore's website for more information on purchasing or reserving books or for refund policy information. **Save Your Receipts!**

**Approximate total book and tool costs for this program's options are listed below.
Additional book costs will vary depending on the courses taken to fulfill
general education requirements for the AAS degree.**

For a breakdown of books by individual class requirements, you must check your course curriculum.

NOTE: PRICES ARE SUBJECT TO CHANGE AT ANYTIME WITHOUT PRIOR NOTIFICATION

FIRST SEMESTER

I. TOOLS

8 to 10 Drawer rollaway toolbox – minimum size 26 3/8 X 32 3/8 X 18 (Keep extra key in your locker)
1/4" Drive sockets, 6 point standard length: 3/16" to 1/2"
1/4" Drive sockets, 6 point deep length: 9/32" to 1/2"
1/4" Drive Phillips head bit #2
1/4" Drive 2" & 6" extensions
1/4" Drive ratchet, reversible, 5" approximate
1/4" Drive universal swivel joint socket
3/8" Drive sockets, 6 point standard length 6 mm to 18 mm
3/8" Drive sockets, 6 point deep length 6 mm to 18 mm
3/8" Drive sockets, 6 point standard length 3/8" to 7/8"
3/8" Drive sockets, 6 point deep length 3/8" to 7/8"
3/8" Drive 3" & 7" extensions
3/8" Drive ratchet, reversible, 7" approximate
3/8" Drive universal swivel joint socket
3/8" Drive Phillips head bit #3
Open end/Box end Wrenches: 8 mm to 18 mm
Open end/Box end Wrenches: 3/8" to 3/4"
8" Adjustable Wrench (Crescent wrench)
Allen Wrenches standard 7 key set: 5/64" to 1/4"
Allen Wrenches metric 7 key set: 1.5 to 10
Torx socket set: T-10 to T-50
High speed drill bit set: 1/8" to 3/8"
Screw driver sets: Standard & Phillips
7" Heavy duty diagonal cutting pliers (Wire cutting pliers)
8" & 10" Standard vise grip pliers
Aviation tin snips (Straight cut)
Pry bar, approximately 5/8" X 16" long
Aligning drift punch: 1/4" X 9"
Center punch: 1/4" X 6"
Cold chisel: 1/2" X 6"
1 1/2" & 3" Putty knives
14" 8-tooth Vixen body file with metal or wood handle
3" X 17" Abrasive holder (Long board)
3" X 5" Sanding block
3" X 8" Sanding block

6" Pick body hammer
Cross pein body hammer
3 lb Cross pein sledge hammer
Scratch awl
All purpose dolly
Tow & heel dolly
10" Round rats tail file w/handle
10" Flat bastard file w/handle
1/4" Arbor wire cleaning brush
Hand wire brush
Hand wire brush (stainless steel) for aluminum
Hack saw w/blade
Window & door handle remover tool
Trim panel remover tool
Reveal molding clip release tool
Windshield wiper remover tool
Light slapping spoon (thinner is better)
Metal or plastic body filler spreaders, 1 set
Spreader/mixing board
2" Pain brushes, at least 2
Body man respirator: e.g. 3M 7056, 7057, 7058
Fresh air respirator, 1/2 Mask or full hood (Survivair brand)
For Advanced Refinishing Students
Razor blade holder w/50 blades (square razor blades)
Blow gun (Must meet OSHA standards)
Male quick disconnect coupler: e.g. Milton 727, Am Flow #CP21D
Nitrile or Latex examination gloves, at least 1 box
Leather work gloves
Ear plugs, at least 1 set
Small Mag flashlight
1" Wide gasket scraper
Tape measure, standard & metric
APPROXIMATE TOTAL TOOLS
\$1,500.00 to \$1,800.00

The program will provide you with any tools not specified in this list, however you may bring any additional tools you may already have. Please remember, you are responsible for your own tools. Please engrave all your tools to identify them if they become lost or stolen. We do not require any specific brands of tools. Below is a recommendation of some suppliers for the body tools:

Auto Body Paint & Supply
2830 Pole Line Rd
Pocatello, ID
(208) 238-9513

Wesco
2815 Garrett Way
Pocatello, ID
(208) 232-8665

Carquest Paint & Supply
3400 Hwy 30 West
Pocatello, ID

Or any major tool supplier such as Snap-On Tools, Cornwell, Craftsman, etc.

II. COVERALL PROGRAM - REQUIRED

- 1. . The coverall program is on a rental basis.
- 2. . The laundry will supply each student with 3 pairs of coveralls.
- 3. . There is a \$15.00 rental and laundry fee for each session.
- 4. . The rental fee is due at registration-fee payment time.

APPROXIMATE TOTAL COVERALLS	\$75.00 to \$135.00
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II. BOOKS & SUPPLIES

DESCRIPTION	APPROXIMATE PRICE
ACRR 146 INTRODUCTION TO AUTOMOTIVE COLLISION & REFINISHING	
AUTO BODY REPAIR TECHNOLOGY 1418073534	150.00
Class fees (\$10 each for ACRR 146, 147, 160, 161, 162, 210, 211, 212, 299)	90.00
Shoot Suit for Painting Booth (See Instructor before purchasing)	30.00 - 50.00
Calculator	25.00
Binder, 3-Ring (hard) with paper	16.00
Graduation Application fee for first Certificate/Degree	20.00
Optional fee for any additional Certificate/Degree	(10.00)
APPROXIMATE TOTAL BOOKS & SUPPLIES	\$331.00 to \$351.00

APPROXIMATE TOTAL BOOKS & TOOLS - TECHNICAL PROGRAM	\$1,906.00 to \$2,286.00
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<p>ANTICIPATE ADDITIONAL EXPENSES ASSOCIATED WITH THIS PROGRAM: TEXTBOOKS ASSOCIATED WITH ACADEMIC COURSES, TRANSPORTATION, PARKING, CHILD CARE, HOUSING. YOU MUST CHECK YOUR CLASS SCHEDULE TO DETERMINE TEXTBOOKS REQUIRED BY INSTRUCTOR.</p>
