COURSE SLO STATEMENTS REPORT

ECC - AUTO COLLISION REPAIR AND PAINTING

Course ID	Course Name	Course SLO Title	Course SLO Statement	Course SLO Status	Input Date
ECC: ACRP 1A	Introduction to Automotive Collision Repair	SLO #1 MIG Welds	Students will be able to set up and use a MIG welder properly and safely to perform three welds (lap, plug, reinforced butt) on automotive gauge steel in 'flat' position.	Active	11/29/2013
ECC: ACRP 1A	Introduction to Automotive Collision Repair	SLO #2 Mix & Spray Primer	Students will be able to mix and spray a given quantity of primer using the correct ratio and adjust, operate, and clean an HVLP primer gun.	Active	11/29/2013
ECC: ACRP 1A	Introduction to Automotive Collision Repair	SLO #3 Mix, Apply & Shape Plastic Filler	Students will be able to mix, apply and shape plastic filler for primer on a repaired automotive panel.	Active	11/29/2013
ECC: ACRP 1B	Collision Repair Equipment and Welding Techniques	SLO #1 I-CAR MIG Welds	Students will be able to set up and use a MIG welder properly and safely to perform three welds (lap, plug, reinforced butt) on automotive gauge steel according to I-CAR standards.	Active	11/29/2013
ECC: ACRP 1B	Collision Repair Equipment and Welding Techniques	SLO #2 Panel Misalignment	Students will be able to identify panel misalignment due to improper installation, prior damage, and/or improper repair and choose the proper repair steps to correct the misalignment.	Active	11/29/2013
ECC: ACRP 1B	Collision Repair Equipment and Welding Techniques	SLO #3 Large Dent Removal	Students will be able to use dent removal equipment such as the Maxi welder or stud welder to remove a large dent from an automotive panel with no rear access.	Active	11/29/2013
ECC: ACRP 1C	Major Collision Analysis and Repair	SLO #1 Measuring Vehicle Damage	Students will be able to identity, differentiate between, and measure direct and indirect vehicle damage. Students will be able to use proper nomenclature to write an informal estimate of what vehicle parts will need to be repaired and what parts need to be replaced.	Active	11/29/2013
ECC: ACRP 1C	Major Collision Analysis and Repair	SLO #2 Types of Frame Damage	Given access to a damaged vehicle, students will be able to recognize one or more of the five types of frame damage and will be able to create a written repair strategy to fix the damage.	Active	11/29/2013
ECC: ACRP 1C	Major Collision Analysis and Repair	SLO #3 Core Support Replacement	Students will be able to create a repair plan for replacing a damaged unibody vehicle’s core support that includes analysis of the damage, an ordered list of parts for removal, tools needed to remove the core support, and location and number of welds needed to install the new support.	Active	11/29/2013
ECC: ACRP 1D	Automotive Component Systems Analysis and Repair	SLO #1 Plastic Repair	Students will be able to locate a plastic part's type code and choose the appropriate repair method, tools, and materials. Students will then be able to apply the method and perform the repair	Active	11/29/2013
ECC: ACRP 1D	Automotive Component Systems Analysis and Repair	SLO #2 Suspension Components	Students will be able to identify damage to suspension components by measuring and visual inspection of a damaged vehicle. Students will be able to use proper nomenclature to write an informal estimate of what vehicle parts will need to be repaired and what parts need to be replaced.	Active	11/29/2013
ECC: ACRP 1D	Automotive Component Systems Analysis and Repair	SLO #3 Hybrid & Airbag Safety	The student will be able to research, locate, safely disable and enable a hybrid vehicle’s high voltage system. The student will also be able to research, safely disable and enable a vehicle’s driver airbag.	Active	11/29/2013

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ECC: ACRP 20	Automotive Collision Investigation	SLO #1 Restraint Systems	Students will be able to recognize, name, and diagnose damage to multiple types of occupant restraint systems including active restraints (seat belts) and passive restraints (automated seat belts, airbags).	Active	11/29/2013
ECC: ACRP 20	Automotive Collision Investigation	SLO #2 Damage to Unitized and Full Frame Vehicles	Students will be able to recognize, name, and diagnose damage to unitized and full-frame vehicles and some of their major systems (drivetrain, brakes, suspension/steering).	Active	11/29/2013
ECC: ACRP 20	Automotive Collision Investigation	SLO #3 Tire Identification & Construction	Students will be able to decode tire information such as wheel size, diameter, width, offset, production date, speed rating, traction rating, and temperature rating. Students will also be able to identify different types of tire construction (radial, bias ply) and identify tires by skid marks observed after an accident.	Active	11/29/2013
ECC: ACRP 22	Automotive Repair Fraud	SLO #1 Examining Accident Scenes	Students will be able to examine an accident scene (in person or via video/digital media) and formulate conclusions as to the details of the accident based on proper detection and investigation procedures and collection of evidence such as accident photography, witness marks and material transfer.	Active	11/29/2013
ECC: ACRP 22	Automotive Repair Fraud	SLO #2 Staged Accidents	Students will be able to analyze both an accident- or fire-damaged vehicle and the accident scene to determine if the accident was staged (fraudulent).	Active	11/29/2013
ECC: ACRP 22	Automotive Repair Fraud	SLO #3 VIN Swapping and Title Issues	Students will be able to recognize and locate Vehicle Identification Numbers (VIN) and determine if the VIN plate and/or labels have been altered, cloned, replaced or otherwise tampered with. Students will be able to explain how a vehicle title could be 'washed' and how to identify a washed title.	Active	11/29/2013
ECC: ACRP 24	Automotive Collision Analysis	SLO #1 Point of Impact and Secondary Damage	Students will be able to analyze an accident-damaged vehicle, and from the collision deformation and damage to crush zones, determine the point of impact and identify secondary damage.	Active	11/29/2013
ECC: ACRP 24	Automotive Collision Analysis	SLO #2 Speed Determination	Students will be able to analyze an accident-damaged vehicle and formulate an impact hypothesis including 4-point and 6-point speed determination.	Active	11/29/2013
ECC: ACRP 24	Automotive Collision Analysis	SLO #3 Accident Causation Factors	Students will be able to use an Event Data Recorder (EDR) and vehicle/crash site observation to form a hypothesis explaining the cause of the accident and who is at fault.	Active	11/29/2013
ECC: ACRP 26	Automotive Accident Reconstruction	SLO #1 Occupant Dynamics	Students will be able to predict and evaluate vehicle occupant dynamics in given collision scenarios.	Active	09/16/2016
ECC: ACRP 26	Automotive Accident Reconstruction	SLO #2 Photography and Computer Modeling	Students will be able to properly document vehicle damage using photography and/or computer modeling software for analysis of accident dynamics.	Active	11/29/2013
ECC: ACRP 26	Automotive Accident Reconstruction	SLO #3 Velocity & Force	Students will be able to explain and determine a vehicle's Principle Direction of Force (PDOF), force line and Delta-V. Students will also be able to calculate combined velocities of multiple vehicles.	Active	11/29/2013
ECC: ACRP 2A	Basic Automotive Painting - Refinishing	SLO #1 Mixing Primer	Students will be able to mix a given quantity of primer using the correct	Active	11/29/2013

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ECC: ACRP 2A	Basic Automotive Painting - Refinishing	SLO #1 Mixing Primer	ratio and will be able to adjust, operate, and clean an HVLP primer gun.	Active	11/29/2013
ECC: ACRP 2A	Basic Automotive Painting - Refinishing	SLO #2 Panel Prep and Painting	Students will be able to differentiate between full panel repairs, spot repairs, and blend panels and be able to prepare each for refinishing using the correct tools and procedures.	Active	11/29/2013
ECC: ACRP 2A	Basic Automotive Painting - Refinishing	SLO #3 Gun Cleaning & VOC Tracking	Students will be able to thoroughly tear down a paint spray gun, clean all parts and surfaces using environmentally correct techniques and chemicals, and reassemble. Students will also be able to monitor the type and amount of liquid material used and record the data in the VOC (volatile organic compound) tracking log book.	Active	11/29/2013
ECC: ACRP 2B	Automotive Refinishing Materials and Equipment	SLO #1 Chemicals and Additives	Students will be able to analyze a given repair job and choose the correct chemicals and additives needed for the job based on weather conditions, job scope, job budget, and job deadline.	Active	11/29/2013
ECC: ACRP 2B	Automotive Refinishing Materials and Equipment	SLO #2 Spray Booth Operation	Students will be able to set up, operate, and shut down a spray booth according to outside temperature and humidity, and the vehicle job and chemicals being sprayed.	Active	11/29/2013
ECC: ACRP 2B	Automotive Refinishing Materials and Equipment	SLO #3 Formula Lookup & Toner Pour	Students will be able to retrieve a vehicle's color code and formula information, select the correct quantity for the job, and correctly pour the toners to create the paint.	Active	11/29/2013
ECC: ACRP 2C	Automotive Refinishing Applications	SLO #1 Color Matching and Spot Blends	Students will be able to choose the proper color variant for color match and perform a spot blend on a repaired sample panel.	Active	11/29/2013
ECC: ACRP 2C	Automotive Refinishing Applications	SLO #2 Two-Tone Plastic Bumpers	Students will be able to prepare and refinish a flexible two-tone plastic bumper using the correct chemicals and production shop procedures.	Active	11/29/2013
ECC: ACRP 2C	Automotive Refinishing Applications	SLO #3 Tri-Coat Letdown Panel	Students will be able to differentiate between 2-stage and 3-stage color codes, obtain color formula information, pour toners to create basecoat and midcoat paints, and create a 5-step letdown panel to test the paint for color match to a sample chip.	Active	11/29/2013
ECC: ACRP 3B	Computerized Collision Damage Estimating	SLO #1 Using CCC One Estimating Software	Create a computerized estimate for a non-structurally damaged front-hit vehicle using CCC One estimating software.	Active	06/28/2017
ECC: ACRP 3B	Computerized Collision Damage Estimating	SLO #2 Using Audatex Software	Examine a structurally damaged full-frame vehicle and write a computerized estimate using Audatex software.	Active	06/28/2017
ECC: ACRP 3B	Computerized Collision Damage Estimating	SLO #3 Using Mitchell Estimating Software	Create a computerized estimate for a structurally damaged unibody vehicle using Mitchell estimating software.	Active	06/28/2017
ECC: ACRP 4A	Beginning Automotive Collision Repair I	SLO #1 Tool Identification & Use	Students will be able to properly name tools unique to the collision repair trade and explain how they are used. Students will be able to analyze minor damage and select the correct hand tools to repair the damage.	Active	11/29/2013
ECC: ACRP 4A	Beginning Automotive Collision Repair I	SLO #2 Vehicle Parts & Construction	Students will be able to identify and differentiate between unibody and full-frame vehicle designs. Students will be able to identify and properly name major non-structural vehicle parts and panels.	Active	11/29/2013
ECC: ACRP 4A	Beginning Automotive Collision Repair I	SLO #3 Mix, Apply & Shape Plastic Filler	Students will be able to mix, apply and shape plastic filler for primer on a repaired automotive panel.	Active	11/29/2013

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ECC: ACRP 4B	Beginning Automotive Collision Repair II	SLO #1 I-CAR MIG Welds	Students will be able to set up and use a MIG welder properly and safely to perform three welds (lap, plug, reinforced butt) on automotive gauge steel according to I-CAR standards.	Active	11/29/2013
ECC: ACRP 4B	Beginning Automotive Collision Repair II	SLO #2 Large Dent Removal	Students will be able to use dent removal equipment such as the Maxi welder or stud welder and Porto Power to remove a large dent from an automotive panel with no rear access.	Active	11/29/2013
ECC: ACRP 4B	Beginning Automotive Collision Repair II	SLO #3 Vehicle Disassembly Procedures	Students will be able to read a damage estimate and systematically tear down a panel for repair and refinish according to the repairs required by the estimate. Students will also be able to properly store and label the removed parts for later reassembly.	Active	11/29/2013
ECC: ACRP 4C	Intermediate Auto Collision Repair I	SLO #1 Plastic Repair	Students will be able to locate a plastic part's type code and choose the appropriate repair method, tools, and materials. Students will then be able to apply the method and perform the repair.	Active	08/24/2015
ECC: ACRP 4C	Intermediate Auto Collision Repair I	SLO #2 Panel Misalignment	Students will be able to identify panel misalignment due to improper installation, prior damage, and/or improper repair and choose the proper repair steps to correct the misalignment.	Active	08/24/2015
ECC: ACRP 4C	Intermediate Auto Collision Repair I	SLO #3 Structural Parts	Students will be able to locate and properly name major unibody vehicle structural parts and assemblies.	Active	08/24/2015
ECC: ACRP 4D	Intermediate Auto Collision Repair II	SLO #1 Porto Power	Students will be able to set up and use a Porto Power hydraulic ram and its attachments to remove a large panel dent or correct damage to a structural part.	Active	08/24/2015
ECC: ACRP 4D	Intermediate Auto Collision Repair II	SLO #2 Pull Planning & Geometry	Students will be able to analyze damage to a given vehicle, determine the sequence and direction of the impact’s damage, and create a diagram and pull plan to correct the damage using the frame rack, Power Post or Pull Dozer.	Active	08/24/2015
ECC: ACRP 4D	Intermediate Auto Collision Repair II	SLO #3 Anchoring a Vehicle for Pulling	Students will be able to research and locate a given vehicle’s anchor points for frame pulling, and choose the correct grade of chains and type of attachment accessories to anchor the vehicle to the floor or frame rack.	Active	08/24/2015
ECC: ACRP 5A	Beginning Automotive Painting I	SLO #1 VOC Tracking	Students will be able to monitor the type and amount of liquid material used for a job and record the data in the VOC (volatile organic compound) tracking log book.	Active	11/29/2013
ECC: ACRP 5A	Beginning Automotive Painting I	SLO #2 Spray Gun Adjustment & Cleaning	Students will be able to thoroughly tear down a paint spray gun, clean all parts and surfaces using environmentally correct techniques and chemicals, and reassemble.	Active	11/29/2013
ECC: ACRP 5A	Beginning Automotive Painting I	SLO #3 Mix & Spray Primer	Students will be able to mix and spray a given quantity of primer using the correct ratio and a locally compliant primer gun.	Active	11/29/2013
ECC: ACRP 5B	Beginning Automotive Painting II	SLO #1 Surface Prep	Students will be able to differentiate between and use the correct materials and techniques for preparing steel, aluminum, fiberglass, plastic, e-coat and existing paint for refinishing.	Active	11/29/2013
ECC: ACRP 5B	Beginning Automotive Painting II	SLO #2 Parts Painting	Students will be able to clean a vehicle part or parts, mix paint according to the correct ratio and quantity needed, adjust their spray gun, and	Active	11/29/2013

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ECC: ACRP 5B	Beginning Automotive Painting II	SLO #2 Parts Painting	refinish the parts using locally compliant basecoat/clearcoat paints.	Active	11/29/2013
ECC: ACRP 5B	Beginning Automotive Painting II	SLO #3 Corrosion Protection	Students will be able to identify surfaces and situations that require the application of corrosion protection on a vehicle. Students will also be able to analyze a surface and determine what kind of corrosion protection would best suit the vehicle.	Active	11/29/2013
ECC: ACRP 5C	Intermediate Automotive Refinishing I	SLO #1 Formula Lookup & Toner Pour	Students will be able to retrieve a vehicle's color code and formula information, select the correct quantity for the job, and correctly pour the toners to create the paint.	Active	08/24/2015
ECC: ACRP 5C	Intermediate Automotive Refinishing I	SLO #2 Color Variants and Sprayout Cards	Students will be able to locate a vehicle's color code (and plant of manufacture if needed), and select the correct variant from a sample deck. The student will create a sprayout card of their chosen color and evaluate the card for color match.	Active	08/24/2015
ECC: ACRP 5C	Intermediate Automotive Refinishing I	SLO #3 Paint Flaws & Corrections	Students will be able to identify by name different types of paint flaws and their causes. Students will also be able to identify which flaws can be corrected in the spray booth while wet, which ones must be corrected after they have dried, and the correction tools and technique for each.	Active	08/24/2015
ECC: ACRP 5D	Intermediate Automotive Refinishing II	SLO #1 Spray Booth Types & Equipment	Students will be able to identify by name and differentiate between different kinds of paint spray booths and related equipment.	Active	08/24/2015
ECC: ACRP 5D	Intermediate Automotive Refinishing II	SLO #2 Chemicals & Additives	Students will be able to choose the correct speed and type of chemical additives for a variety of different weather conditions, repair job size, and job turnaround time expectations.	Active	08/24/2015
ECC: ACRP 5D	Intermediate Automotive Refinishing II	SLO #3 Topcoat Paint Systems	Students will be able to compare and contrast the three major types of topcoat paint systems for budget, speed of application, longevity, metallic layout, scratch resistance and ease of repair.	Active	08/24/2015