

AUTOMOTIVE COLLISION AND REPAIR

The Collision Department offers courses designed to provide the skills and knowledge required for immediate employment as well as for students with a personal interest in collision.

Contact Information

Division: Applied Technology, Transportation, and Culinary Arts (T - 108)

Division Phone Number: (909) 384-4451

Faculty Chair: Mark Williams (mwilliam@sbccd.edu), A.S.

Counselor Liaisons: Debbie Orozco (dorozco@sbccd.edu), M.A. and Patricia Jones (pjones@sbccd.edu), M.A.

- Advanced Automotive Collision Repair and Refinishing Associate of Science Degree
- Advanced Automotive Collision Repair and Refinishing Certificate of Achievement
- Automotive Interiors Certificate of Achievement
- Automotive Interiors Certificate of Completion
- Basic Automotive Collision Repair and Refinishing Associate of Science Degree
- Basic Automotive Collision Repair and Refinishing Certificate of Achievement
- Street Rod Construction Certificate of Achievement
- Street Rod Construction Certificate of Completion

ACR 020 6 Units

Non-Structural Body Repair

Lecture: 90 contact hours

Lab: 54 contact hours

This course covers theory and practical experience in automotive collision damage repair and shop safety with a focus on automotive construction, regulations, oxyacetylene and Metal Inert Gas (MIG) welding, surface preparation, basic spray painting, and detailing. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test B-3. (Formerly AUTO 020)

Associate Degree Applicable

ACR 022 6 Units

Non-Structural Collision Repair and Estimating

Lecture: 90 contact hours

Lab: 54 contact hours

This course covers theory and practical experience in automotive collision damage repair and shop safety with a focus on laws and regulations, refinishing techniques, Metal Inert Gas (MIG) welding and steering, suspension and vehicle alignment, damage analysis and estimating, and Hybrid and electric vehicle safety procedures. This course may be used in preparation for the Automotive Service Excellence (ASE) National B3 Test. (Formerly AUTO 022)

Associate Degree Applicable

ACR 024 6 Units

Structural Analysis and Damage Repair

Lecture: 90 contact hours

Lab: 54 contact hours

Advisory: ACR 020 or ACR 022

This course covers theory and practical experience in auto collision repair and shop safety, with a focus on Metal Inert Gas (MIG) welding, panel replacement, theory and practical experience in minor uni-body frame measuring and repair, basic hybrid body repair, and hybrid and electric vehicle safety procedures. This course may be used in preparation for the Automotive Service Excellence (ASE) National B4 Test. (Formerly AUTO 024)

Associate Degree Applicable

ACR 026 6 Units

Auto Collision Refinishing

Lecture: 90 contact hours

Lab: 54 contact hours

Advisory: ACR 020 or ACR 022

This course covers theory and practical experience in automotive collision repair and refinishing, shop safety practices, personal safety, and health protection as outlined by Environmental Protection Agency (EPA) and South Coast Air Quality Management District (SCAQMD). Topics include Sheet Molded Compound (SMC) panel replacement; heat reshaping plastic parts; electrical and electronic systems; single-, two-, and three-stage refinishing systems; spot repairing/blending; polishing; detailing; estimating; and custom painting. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test B2. (Formerly AUTO 026)

Associate Degree Applicable

ACR 030 5 Units

Mechanical Technology for the Collision Specialist

Lecture: 72 contact hours

Lab: 54 contact hours

Advisory: ACR 020 or ACR 022

This course is an intense overview of the mechanical aspects of a vehicle as it pertains to Collision industry. Subjects covered are A/C, Electrical, SRS (Safety Restraint Systems), front end geometry and hybrid and electrical vehicle safety. (Formerly AUTO 030)

Associate Degree Applicable

ACR 040 3.5 Units

Basic Auto Upholstery

Lecture: 36 contact hours

Lab: 81 contact hours

This course offers students basic theory and practical experience in creating custom automotive interiors. Safe work practices and the use of tools to develop, cut, sew and fit are emphasized. This course may also be offered for noncredit as ACR 640. (Formerly AUTOIN 010)

Associate Degree Applicable

ACR 041 3.5 Units

Advanced Custom Auto Interiors

Lecture: 36 contact hours

Lab: 81 contact hours

This course offers advanced level instruction on theory and installation of custom and hot rod automotive interiors. Safe work practices and the use of tools to design, cut, sew, and fit complex interiors are emphasized. This course may also be offered for noncredit as ACR 641. (Formerly AUTOIN 012)

Associate Degree Applicable

ACR 050 4 Units

Basic Vehicle Restoration

Lecture: 54 contact hours

Lab: 54 contact hours

Advisory: ACR 020 or ACR 022

The course includes basic vehicle restoration theory and practical experience as well as safe work practices, disassembly, cleaning, body repair, welding, and assembly. This course may also be offered for noncredit as ACR 650. (Formerly AUTORS 010)

Associate Degree Applicable

ACR 060 4 Units

Beginning Street Rod Construction

Lecture: 54 contact hours

Lab: 54 contact hours

Advisory: ACR 020 or ACR 022

This course covers theory and practical experience in building a street rod vehicle. Topics include shop safety, design and construction of frame and chassis systems and components, body repair, paint preparation, refinishing, and welding. This course may also be offered for noncredit as ACR 660. (Formerly AUTOST 010)

Associate Degree Applicable

ACR 620 Noncredit

Non-Structural Body Repair

Lecture: 90 contact hours

Lab: 54 contact hours

This noncredit course covers theory and practical experience in automotive collision damage repair and shop safety with a focus on automotive construction, regulations, oxyacetylene and Metal Inert Gas (MIG) welding, surface preparation, basic spray painting, and detailing. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test B-3. (Formerly AUTO 620)

ACR 640 Noncredit

Basic Auto Upholstery

Lecture: 36 contact hours

Lab: 81 contact hours

This noncredit course offers students basic theory and practical experience in creating custom automotive interiors. Safe work practices and the use of tools to develop, cut, sew and fit are emphasized. This course may also be offered for credit as ACR 040. (Formerly AUTOIN 610)

ACR 641 Noncredit

Advanced Custom Auto Interiors

Lecture: 36 contact hours

Lab: 81 contact hours

This noncredit course offers advanced level instruction on theory and installation of custom and hot rod automotive interiors. Safe work practices and the use of tools to design, cut, sew, and fit complex interiors are emphasized. This course may also be offered for credit as ACR 041. (Formerly AUTOIN 612)

ACR 650 Noncredit

Basic Vehicle Restoration

Lecture: 54 contact hours

Lab: 54 contact hours

The noncredit course includes basic vehicle restoration theory and practical experience as well as safe work practices, disassembly, cleaning, body repair, welding, and assembly. This course may also be offered for credit as ACR 050. (Formerly AUTORS 610)

ACR 660 Noncredit

Beginning Street Rod Construction

Lecture: 54 contact hours

Lab: 54 contact hours

This noncredit course covers theory and practical experience in building a street rod vehicle. Topics include shop safety, design and construction of frame and chassis systems and components, body repair, paint preparation, refinishing, and welding. This course may also be offered for credit as ACR 060. (Formerly AUTOST 610)