

AUTOMOTIVE COLLISION REPAIR



Pathway: Advanced Transportation & Manufacturing
Chair: Jess Guerra, Room OH/F-225H
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Award Title	Award Type	GE Units	Required Course Units	Major Elective Units	Major Units
Automotive Collision Repair*	A.S.	21*	36	10	46
Automotive Collision Repair	C		36	-	36

At least 60 degree applicable units are required to earn an Associate degree.

*This Associate Degree is eligible for a reduction of General Education requirements from 21 to 18 units; please consult with a counselor for more details.

For additional related degrees and certificates, refer to programs under Automotive Technology, Diesel and Related Technologies, Hybrid & Electric Technology, Motorcycle Repair Mechanics and Rail Vehicle Maintenance.

PROGRAM OVERVIEW

Los Angeles is a leading collision capital center in the automotive design world. Insurance companies are increasingly demanding Auto Collision Technicians trained in damage cost estimations. The demand for fully trained Automotive Repair Technicians is very high where skilled technicians are readily employable and command excellent incomes. These technicians use highly sophisticated devices, such as laser for straightening frames, computer for mixing paint, and dust control contamination vacuum tools for smoothing paint.

The LATTC Automotive Collision Repair program is designed for students who want to enter this growing field. Classes are a combination of classroom instruction coupled with hands-on training. Students learn welding procedures, diagnostic and repair procedures, body part alignment processes, metal finishing/shrinking/filling techniques, auto body electrical wiring systems, body section replacement and structural sectioning practices, body damage estimating techniques, auto body construction methods, paint color application skills, and body shop practices.

By fulfilling the program requirements, students are proficient in a variety of automotive collision techniques and will have the knowledge and skills necessary to maintain, repair, and diagnose body and fender repairs. They will be proficient at all aspects of preparation and painting, including computerized mixing and matching, damage estimation, creating computerized reports and digital imaging. Students who complete this degree will be able to perform jobs as estimators, service managers equipped to repair problems occurring in automotive collision systems.

AUTOMOTIVE COLLISION REPAIR

Associate in Science Degree

Major Units: 46

Requirements for the Associate in Science degree in Automotive Collision Repair may be met by completing 36 units of Required Courses and 10 units of Major Electives with a "C" or better along with General Education units. Information on the General Education unit requirements may be found in the catalog under Graduation Requirements.

PROGRAM LEARNING OUTCOMES (PLOs)

Upon completion of the Degree program, students are able to:

1. Identify and repair a variety of vehicle bodies with different frame types, components, and structure chemistries while adhering to industry standard procedures.
2. Refinish collision repairs on a vehicle using various paints, primers, sealers, and tools according to I-CAR and ASE standards.
3. Create collision repair estimates using industry recognized computer software in accordance with industry standards.

REQUIRED COURSES

SEMESTER I		UNITS
AUTOCOR 112	Auto Body Construction, Repair And Welding Fundamentals	9
SEMESTER II		UNITS
AUTOCOR 122	Intermediate Collision Repair-Parts Replacement, Metal Repair, Frame Straightening & Refinishing	9
SEMESTER III		UNITS
AUTOCOR 132	Unitized Body Panel, Section, & Frame; Replacement & Alignment	9
SEMESTER IV		UNITS
AUTOCOR 142	Advanced Automotive Collision Repair, Estimating, Refinishing	9

MAJOR ELECTIVES

Select at least 10 units from the courses below		UNITS
AUTOCOR 148	Paint Preparation and Application	3
AUTOCOR 149	Estimating Body Damage	3
AUTOCOR 185	Directed Study - Automotive Collision Repair	1
AUTOCOR 226	Collision Repair I	3
AUTOCOR 227	Auto Body & Fender II	3

NOTE: Students are required to provide basic hand tools, Transportation Technology uniform and personal safety equipment.

AUTOMOTIVE COLLISION REPAIR

■ Certificate of Achievement

Major Units: 36

A Certificate of Achievement in Automotive Collision Repair may be earned by completing 36 units of Required Courses listed under the Associates degree in Automotive Collision Repair with a "C" or better in each course.

This program includes DuPont Paint Systems Certificate of Achievement for Rule 1151 of the South Coast Air Quality Management District (SCAQMD).

PROGRAM LEARNING OUTCOMES (PLOs)

Upon completion of the **Certificate** program, students are able to:

1. Identify and repair a variety of vehicle bodies with different frame types, components, and structure chemistries while adhering to industry standard procedures.
2. Refinish collision repairs on a vehicle using various paints, primers, sealers, and tools according to I-CAR and ASE standards.
3. Analyze collision repair estimates in accordance with industry standards.

USEFUL LATTTC LINKS:

College Catalog: <http://college.latttc.edu/catalog/>

Financial Aid Office: <http://college.latttc.edu/financialaid/>

Counseling Department: <http://college.latttc.edu/counseling/>

General Education Information: <http://college.latttc.edu/catalog>

Advanced Transportation & Manufacturing Pathway:
<http://pathways.latttc.edu/atm>

You can enroll in these classes by logging on to the Student Information System at <http://college.latttc.edu/student/new-students/register-now/>

For additional information consult a LATTTC college counselor.