

COLLISION REPAIR TECHNOLOGY AAS

The Collision Repair Technology program is a National Automotive Service Excellence (NAFEE) certified program and is designed to help students develop knowledge and skills for employment in the collision repair industry. Students are provided theory and practice in repairing vehicles damaged in a collision. Core instruction for the Collision Repair program is provided during the first year. During the second year, students receive in-depth instruction in more complex systems. Students entering with prior training from high school, military, or industry can challenge portions of the training program by examination and/or performance testing. Students must achieve competencies in course work before moving to the next instructional area. Shop experience is combined with related theory. Tools will be required once you enter the program. Your instructor will advise you.

Entrance requirements for students seeking enrollment in the Collision Repair Technology program include:

- ALEKS score of 14 or higher in Math (Algebra), Writing Placement Exam score of 2 or higher, or equivalent college placement exams.
- Enrollment priority will be given to students on the basis of student's enrollment date.
- Enrollment priority will be given first to AAS degree seeking students on first-come first-serve basis as determined by their faculty advising date.
- Students must hold a valid driver's license to enroll in the Collision Repair Technology Program. If you have any questions regarding your driver's license, please contact the T&I Division Office prior to submitting your application to LC State.
- Collision Repair has physical requirements that may affect the student's ability to function in this program. Physical recommendations as listed in the US Bureau of Labor Statics for Collision Repair Technology.

Upon completion of the Collision Repair Technology program, the student will have basic skills to:

- Remove, replace, and align bolt on body panels.
- Repair damaged body panels.
- Prep vehicles for paint.
- Mix, match, and apply paint.
- Repair damaged plastic body panels.
- Use MIG welder to replace welded panels.
- Set up and measure frames to analyze structural damage.
- Make mechanical and electrical repairs.
- Detail vehicle interior and exterior.

General Education Requirements

Code	Title	Credits
Written Communication		
ENGL-101	WRITING AND RHETORIC I	3.00
Oral Communication		
Select one of the following:		3.00
COMM-101	FUNDAMENTALS OF ORAL COMMUNICATION	
COMM-203	SMALL GROUP COMMUNICATION	
COMM-204	PUBLIC SPEAKING	
Mathematical Ways of Knowing		
Select one of the following:		3.00
CS-108	INTRODUCTION TO COMPUTER SCIENCE	
MATH-123	MATH IN MODERN SOCIETY	
MATH-130	FINITE MATHEMATICS	
MATH-137	ALGEBRA, TRIG AND STAT WITH APPLICATION	
MATH-140	ALGEBRAIC REASONING AND PROBLEM-SOLVING	
MATH-143	PRECALCULUS I: ALGEBRA	
MATH-147	PRECALCULUS	
MATH-153	STATISTICAL REASONING	
MATH-160	BRIEF CALCULUS	
MATH-170	CALCULUS I	
MATH-254	STATISTICAL METHODS	
MATH-257	MATHEMATICS FOR ELEMENTARY TEACHERS II	
MTHPT-130	FINITE MATHEMATICS	

MTHPT-137	MATH FOR TECHNOLOGY	
MTHPT-153	STATISTICAL REASONING	
Social & Behavioral Ways of Knowing		
Select one of the following:		3.00
ANTH-102	CULTURAL ANTHROPOLOGY	
ANTH-120	WORLD PREHISTORY	
ANTH-170	INTRODUCTION TO NATIVE AMERICAN STUDIES	
ECON-201	PRINCIPLES OF MACROECONOMICS	
ECON-202	PRINCIPLES OF MICROECONOMICS	
GEOG-102	INTRODUCTION TO GEOGRAPHY	
HIST-101	WORLD HISTORY I	
HIST-102	WORLD HISTORY II	
HIST-111	UNITED STATES HISTORY I	
HIST-112	UNITED STATES HISTORY II	
HRPT-184	DIVERSITY IN ORGANIZATIONS	
HRPT-185	HUMAN RELATIONS IN ORGANIZATIONS	
POLS-101	AMERICAN NATIONAL GOVERNMENT	
POLS-237	INTERNATIONAL POLITICS	
POLS-285	COMPARATIVE GOVERNMENT	
PSYC-101	INTRODUCTION TO GENERAL PSYCHOLOGY	
PSYC-205	LIFESPAN DEVELOPMENTAL PSYCHOLOGY	
SOC-101	INTRODUCTION TO SOCIOLOGY	
SOC-102	SOCIAL PROBLEMS	
Additional General Education Core Course		3.00
*Additional Core Course cannot be used to fulfill a requirement above.		
Select the link below to review LC State's General Education Core courses		
http://catalog.lcsc.edu/general-education (http://catalog.lcsc.edu/general-education/)		
Total Credits		15.00

Program Requirements

Code	Title	Credits
Technical Core		
CRPTI-110	INTRODUCTION TO COLLISION REPAIR (or CRPTI-110A, CRPTI-110B and CRPTI-110C)	6.00
CRPTI-120	NON-STRUCTURAL REPAIRS I	6.00
CRPTI-140	NON-STRUCTURAL REPAIRS II	6.00
CRPTI-150	STRUCTURAL REPAIRS I	6.00
CRPTI-210	STRUCTURAL REPAIRS II (or CRPTI-210A and CRPTI-210B)	6.00
CRPTI-220	MECHANICAL REPAIRS	6.00
CRPTI-230	REFINISHING I	6.00
CRPTI-240	REFINISHING II (or CRPTI-240A and CRPTI-240B)	6.00
CRPTI-294	INTERNSHIP IN COLLISION REPAIR	3.00
Total Credits		51.00

Sequential Plan of Study - Even Year

Course	Title	Credits
First Year		
Fall		
CRPTI-110 or CRPTI-110A <i>and</i> CRPTI-110B <i>and</i> CRPTI-110C	INTRODUCTION TO COLLISION REPAIR or SAFETY & POLLUTION PREVENTION <i>and</i> MINOR COLLISION REPAIR THEORY/LAB <i>and</i> BASIC COLLISION REPAIR LAB	6.00

CRPTI-240 or CRPTI-240A <i>and</i> CRPTI-240B	REFINISHING II or DETAILING AND POLISHING <i>and</i> COLOR MATCHING	6.00
ENGL-101	WRITING AND RHETORIC I	3.00
CORE	Mathematical Ways of Knowing	3.00
Credits		18.00
Spring		
CRPTI-210 or CRPTI-210A <i>and</i> CRPTI-210B	STRUCTURAL REPAIRS II or INTRO TO WELDING FOR COLLISION REPAIR THEORY/LAB <i>and</i> STRUCTURAL INTEGRITY	6.00
CRPTI-220	MECHANICAL REPAIRS	6.00
CORE	Oral Communication	3.00
CORE	Social & Behavioral Ways of Knowing	3.00
Credits		18.00
Second Year		
Fall		
CORE	Additional General Education Course	3.00
CRPTI-120	NON-STRUCTURAL REPAIRS I	6.00
CRPTI-140	NON-STRUCTURAL REPAIRS II	6.00
Credits		15.00
Spring		
CRPTI-150	STRUCTURAL REPAIRS I	6.00
CRPTI-230	REFINISHING I	6.00
CRPTI-294	INTERNSHIP IN COLLISION REPAIR	3.00
Credits		15.00
Total Credits		66.00

Sequential Plan of Study - Odd Year

Course	Title	Credits
First Year		
Fall		
CRPTI-110 or CRPTI-110A <i>and</i> CRPTI-110B <i>and</i> CRPTI-110C	INTRODUCTION TO COLLISION REPAIR or SAFETY & POLLUTION PREVENTION <i>and</i> MINOR COLLISION REPAIR THEORY/LAB <i>and</i> BASIC COLLISION REPAIR LAB	6.00
CRPTI-120	NON-STRUCTURAL REPAIRS I	6.00
ENGL-101	WRITING AND RHETORIC I	3.00
CORE	Mathematical Ways of Knowing	3.00
Credits		18.00
Spring		
CORE	Oral Communication	3.00
CORE	Social & Behavioral Ways of Knowing	3.00
CRPTI-150	STRUCTURAL REPAIRS I	6.00
CRPTI-230	REFINISHING I	6.00
Credits		18.00
Second Year		
Fall		
CORE	Additional General Education Course	3.00
CRPTI-140	NON-STRUCTURAL REPAIRS II	6.00
CRPTI-240 or CRPTI-240A <i>and</i> CRPTI-240B	REFINISHING II or DETAILING AND POLISHING <i>and</i> COLOR MATCHING	6.00
Credits		15.00

Spring

CRPTI-210 or CRPTI-210A <i>and</i> CRPTI-210B	STRUCTURAL REPAIRS II or INTRO TO WELDING FOR COLLISION REPAIR THEORY/LAB <i>and</i> STRUCTURAL INTEGRITY	6.00
CRPTI-220	MECHANICAL REPAIRS	6.00
CRPTI-294	INTERNSHIP IN COLLISION REPAIR	3.00
Credits		15.00
Total Credits		66.00

Graduates from Collision Repair Technology (<https://www.careeronestop.org/toolkit/careers/occupations/Occupation-profile.aspx?keyword=Automotive%20Body%20and%20Related%20Repairers&onetcode=49302100&ES=Y&EST=automotive+repairer>) programs go on to obtain careers in a variety of fields:

- Automotive Painter, Refinisher
- Body and Frame technician
- Heavy Truck Refinishing
- Collision Repair Estimating
- Marine Refinishing
- Aviation Refinishing
- Autobody Restoration