

# LANSING COMMUNITY COLLEGE

## CURRICULUM GUIDE

Automotive Collision Technology  
Associate in Applied Science Degree

Curriculum Code: 1755 (Effective Fall 2015 – Summer 2020)

Auto collision repair technicians possess the necessary skills to perform collision repair and refinishing according to "manufacturer's specifications." Students will diagnose and straighten bent frames and unibody sections, replace badly damaged parts, smooth out minor dents and creases, and refinish painted surfaces using solvent and waterborne systems. Students will diagnose and repair all mechanical systems impacted from collision damage such as electrical systems, steering and suspension, HVAC, brakes, and restraint/safety systems. Auto collision repair technicians are employed by collision repair shops, new car dealerships, refinishing businesses, auto restoration shops, and automotive manufacturers/suppliers. Formal training is highly desirable, because advances in technology in recent years have greatly changed the structure, the components and even the materials used in automobiles. The Auto Collision Repair Program is certified by the National Automotive Technicians Education Foundation (NATEF).

### PREREQUISITES

Students should see [Course Descriptions](#) for course prerequisite information. See [Academic Assessment and Placement Testing for Student Success](#) for skills assessment and advising information.

### INFORMATION

Contact the Transportation Maintenance Technologies Department, West Campus Building, Room M103, telephone number (517) 267-6406 (Website: [www.lcc.edu/transportation/collision\\_repair/](http://www.lcc.edu/transportation/collision_repair/)) or Student Services West Campus, West Campus Building, Room M106, telephone number (517) 267-5452.

### REQUIREMENTS

REQUIREMENTS		TOTAL: 47 CREDITS
CODE	TITLE	CREDIT HOURS
AUTB 101	Safety and Shop Operations	2
AUTB 104	Damage Analysis Estim/Cust Srv	2
AUTB 106	Refinishing I	5
AUTB 107	Non-Structural Repair I	5
AUTB 114	Collision Repr Welding/Cutting	3
AUTB 136	Refinishing II	5
AUTB 137	Non-Structural Repair II	5
AUTB 150	Struct Analysis/Damage Repr I	4
AUTB 200	Collision Related Mechanical I	4

AUTB 202	Collision Related Mech II	4
AUTB 250	Struct Analysis/Damage Repr II	4
AUTB 290	Collision Tech Internship (See Note 1)	4

### LIMITED CHOICE REQUIREMENTS

**TOTAL: 16–22 CREDITS**

Complete the indicated number of credits from **EACH CHOICE** listed below.

#### CHOICE 1: [General Education Core Areas](#)

**16–22 Credits**

(See *General Education Core Requirements* for information on how to fulfill these requirements.

Core area proficiency exams, where appropriate, are available for each core area.)

Communication Core Area	3–4
Global Perspectives and Diversity Core Area	3–4
Mathematics Core Area	3–5
Science Core Area	4–5
Writing Core Area	3–4
<b>MINIMUM TOTAL</b>	<b>63</b>

#### NOTES:

1. Student can choose to do one internship at four credits or take two internships at two credits a piece.
2. To receive this associate’s degree, a student must earn a grade of 2.0 or above in each course required for this program.

#### SUGGESTED COURSE SEQUENCE

Students should see course descriptions to find out when departments plan to offer courses. Students who for any reason are unable to follow the course sequence suggested below (for example, those who are part-time, have transferred in courses from another school, or have prerequisites to fulfill) should contact an academic advisor or counselor for help with adjustments.

I	II	III	IV
AUTB 101	AUTB 104	AUTB 290	AUTB 200
AUTB 106	AUTB 136		AUTB 250
AUTB 107	AUTB 137		Lim.Ch.1
AUTB 114	AUTB 150		Lim.Ch.1
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AUTB 202  
 AUTB 290  
 Lim.Ch.1  
 Lim.Ch.1