



COURSE SYLLABUS

AUTOMOTIVE COLLISION TECHNOLOGY I

7215 Principles of Collision Repair

7204 Automotive Body Repair

7206 Plastic Body Repair and Painting Fundamentals

Fall 2022

PROGRAM TITLE: Automotive Collision Technology I

DOE CODE: See above

RECOMMENDED GRADE LEVELS: 10, 11, 12

PREREQUISITES: None

HIGH SCHOOL CREDITS: 3 per semester (6 total per school year)

ELECTIVE INFORMATION: Counts as a Directed Elective or Elective for all diplomas

HOW WCC CAN HELP MEET GRADUATION PATHWAYS:

Pathway 1

CTE elective high school credits

Technical Honors Diploma

Pathway 2

Work-Based Learning

Pathway 3

Technical honors diploma

Industry Certification

2 Advanced CTE Courses

Dual credits

INSTRUCTOR: Clint Selby
cselby@fayette.k12.in.us
(765) 825-0521 x22011

PROGRAM DESCRIPTION: Automotive Collision Technology I students have both classroom and laboratory experiences in all phases of the body repair process. Students examine the characteristics of body metals including the installation of moldings, ornaments, and fasteners with an emphasis on sheet metal analysis and safety. Students also study measurement principles, computerized frame diagnosis, computerized color-mixing, and estimation of repair costs. Both personal and environmental safety is stressed following OSHA standards. This two-year training program includes the 540 hours required for the NATEF Maintenance and Light Repair level, plus more than 400 additional hours of classroom and lab time for review, employability competency training, and inclusion of other tasks reviewed, approved, and/or added by the program advisory committee.

MAJOR LEARNING OBJECTIVES:

1. Apply and adapt appropriate workplace behaviors needed for career success to prepare for further education and training programs.
2. Integrate safety and basic shop procedures into activities as appropriate to comply with professional and governmental safety standards.
3. Select appropriate procedures to repair damage to specific materials.
4. Select appropriate procedures to repair damage to glass, trim, and vehicle interior.
5. Analyze vehicle structural damage to estimate repair costs in terms of main hours and materials needed.
6. Select appropriate procedures to repair vehicle frame and structural damage.

REQUIRED TEXT/CURRICULUM MATERIALS:

- All-Data Online System
- SP2 Online Safety Training System
- I-Car Online System

DUAL CREDITS AVAILABLE:

AUTO 105 Transportation Fundamentals
Vincennes University 2 credits

BODY 100 Non-Structural Analysis & Damage Repair
Vincennes University 3 credits

BODY 100L Non-Structural Analysis & Damage Repair Lab
Vincennes University 4 credits

METHODS OF INSTRUCTIONAL DELIVERY:

This course will be delivered using a variety of delivery methods. Lecture, class discussion, lab work, and individual and group exercises and activities will be used to deliver the class material.

EVALUATION METHODS:

- Classroom work
- Lab work
- Dual credit course projects and exams
- Participation and attendance

GRADING CRITERIA:

Assignments are divided into three categories: Classwork (40%), Projects/Assessments (40%), and Work Ethic (20%). Work Ethic includes daily participation and engagement in the class.

GRADING SCALE:

A+	99-100%	C+	78-79%
A	92-98%	C	72-77%
A-	90-91%	C-	70-71%
B+	88-89%	D+	68-69%
B	82-87%	D	62-67%
B-	80-81%	D-	60-61%
		F	59% and below

ATTENDANCE AND DISCIPLINE:

WCC attendance and discipline policies will be followed as detailed in the Student Handbook.

REQUIRED CONSUMABLE MATERIALS AND EQUIPMENT:

- Student kit
- 1" black view binder
- 1 set of 5 tabs/dividers