COURSE SYLLABUS

AUTOMOTIVE COLLISION TECHNOLOGY II

Fall 2022

PROGRAM TITLE: Automotive Collision Technology II
DOE CODE: 5544
RECOMMENDED GRADE LEVELS: 11, 12
PREREQUISITES: Automotive Collision Technology I
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 Repair Technology II introduces concepts in automotive paint technologies with an emphasis on the handling of materials and equipment. Instruction builds on concepts learned in Automotive Collision Technology I such as computerized frame diagnosis, computerized color-mixing, and computerized estimating of repair costs. Additional academic skills taught in this course include precision measurement and mathematical calibrations as well as scientific principles related to adhesive compounds, color-mixing, abrasive materials, metallurgy, and composite materials. 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. Upon completion of this program, students are prepared for entry-level employment in the collision industry. Students may also continue their education in 2 and 4-year degree programs at the postsecondary level.

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. Analyze the processes involved to paint and refinish a vehicle.
4. Analyze vehicle paint damage to estimate repair costs in terms of man hours and materials needed.

REQUIRED TEXT/CURRICULUM MATERIALS:

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

DUAL CREDITS AVAILABLE:

BODY 150 Painting & Refinishing
Vincennes University 3 credits

BODY 150L Painting & Refinishing Lab
Vincennes University 4 credits

.

INDUSTRY CERTIFICATIONS AVAILABLE:

ASE (Automotive Service Excellence) Student Certification:

- B2 – Painting and Refinishing
- B3 – Non-structural Analysis & Damage Repair
- B4 – Structural Analysis and Damage Repair
- B5 – Mechanical & Electrical Components

Testing required. Fees may apply. Qualifies for THD and Pathways Industry-Recognized Certification.

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
- Certification 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