



TENNESSEE COLLEGE
OF APPLIED TECHNOLOGY
SHELBYVILLE

**Collision Repair Technology
Dual Credit Agreement**

Program Description: This program is based on reconditioning the structure, shape and appearance of an auto body shell, frame, and component parts, as practiced in theory, and on live projects. The techniques, methods and procedures used in business are studied and practiced. The repainting components of the program will introduce the student to the auto refinishing industry as the instructor demonstrates and the student performs and practices on live projects. Involved in the teaching-learning-practice will be understanding the characteristics of metal, plastic, paint equipment and the human element. The program will include metal reshaping, fabrication, surface spraying, color matching, and equipment maintenance. For more information, visit <https://tcatshelbyville.edu/programs/collision-repair-technology>.

Instructor(s): Eric Brown – eric.brown@tcatshelbyville.edu

Total Time Commitment of Program: 1728 clock hours

Aligned Secondary Program of Study: Automotive Collision Repair

Postsecondary Course(s) for which Dual Credit will be Awarded: Non-structural Analysis and Damage Repair; Painting and Refinishing

Assessment Range and Hours Awarded:

- 0-79 = 0 clock hours
- 80-100 = 340 clock hours

Skill Assessment:

Assessment will include both hands-on and written evaluations.

- **Non-Structural Analysis and Damage Repair – 170 clock hours**
 - Safety Precautions
 - Preparation
 - Outer Body Panel Repairs, Replacements, and Adjustments
 - Metal Finishing and Body Filling
 - Moveable Glass and Hardware
 - Metal Welding and Cutting
 - Plastics and Adhesives
- **Painting and Refinishing – 170 clock hours**
 - Safety Precautions
 - Surface Preparation

- Spray Gun and Related Equipment Operation
- Paint Mixing, Matching, and Applying
- Paint Defects: Causes and Cures
- Final Detail

Aligned Industry Certifications and Hours Awarded:

- Automotive Service Excellence Student Certification: Nonstructural Analysis/Repair – 94 clock hours
- Automotive Service Excellence Student Certification: Painting and Refinishing – 94 clock hours
- Automotive Service Excellence Student Certification: Structural Analysis/Repair – 94 clock hours
 - **282 clock hours for all three ASE certifications.**
- I-CAR Refinish Technician ProLevel 1 or I-CAR Non-Structural Technician ProLevel 1 – **375 clock hours**

Total Possible Dual Credit Hours Awarded from TCAT Shelbyville Assessment: 340 clock hours

Total Possible Dual Credit Hours Awarded from Industry Certifications: 375 clock hours

Disclaimer: The maximum possible award that a student can earn is 432 clock hours.