

Automotive Collision Repair Endorsement

Specifications, Competencies & Requirements

PURPOSE

This endorsement is meant for certified teachers interested in teaching **Automotive Collision Repair** courses. It attaches to a current Utah Educator License with a license area of concentration in **Secondary** or **CTE** Education.

Upon attachment of this endorsement to a Utah educator license, educators will be approved to teach the following USBE courses:

Basic Automotive Collision Repair
Collision Non-Structural Repair
Collision Structural Repair
Collision Refinishing & Painting

ENDORSEMENT TYPES

Prerequisite

Demonstrate an understanding of Career and Technical Education (CTE) basics.

CTE Knowledge

Associate Level Requirements

Applicants must complete **THREE** of the following competency requirements. The associate level endorsement is valid for up to three school years before it expires. Associate-level endorsements are non-renewable.

Automotive Refinishing
Non-Structural Analysis & Damage Repair
Structural Analysis & Damage Repair
Mechanical & Electrical Components
Auto, Diesel, & Collision Shop Management
CTSO Knowledge

Professional Level Requirements

The applicant must meet **ALL** the competency areas listed above for the professional level.

COMPETENCY DETAILS & DESCRIPTIONS

Prerequisite

1. CTE Knowledge

Demonstrate an understanding of CTE basics:

- Explain how CTE links learning to specific Utah industries and what its main goals are.
- Know the licenses and endorsements needed to teach specific CTE courses.

- Describe how CTE is organized into clusters and pathways at the state, district (LEA), and school levels, and how this helps students succeed after graduation.
- Locate and use the state's strands and standards in lesson plans.
- Explore CTE student organizations (CTSOs) and professional groups and explain how they support students and teachers.
- Explain how advisory boards, with industry members, make sure programs meet job market needs and maintain safe learning environments.
- Understand the basics of securing funding, planning for the future of the program, and participating in the state Program of Quality Review (PQR) to ensure program excellence.

Select **one** of the following options:

- **USBE Course:** [CTE Orientation](#)
- **Complete THREE years of full-time CTE Teaching in Utah**
- **Currently hold a professional-level CTE endorsement**

Endorsement Competencies

2. Painting & Refinishing

Demonstrate a thorough understanding of paint preparation, application and blending techniques, color matching, and finishing processes. Show skill in surface preparation, including sanding and priming, as well as applying base coats, clear coats, and other finishes. Knowledge of safety and environmental regulations related to paint and solvent use is essential. Be proficient in using a variety of painting equipment, such as spray guns and mixing systems, and be capable of assessing and repairing paint defects. Demonstrate an understanding of the importance of continuous learning to keep up with evolving paint technologies and industry best practices.

Select **one** of the following options:

- **USBE Microcredential:** Painting & Refinishing
- **AR 1100 - Automotive Refinishing** (Salt Lake Community College)
- **College Course:** Transcripts showing passing grade of relevant course(s), and course description covering the required competency skills.
- **ASE B2:** Painting & Refinishing
- **Industry Certification:** Verifiable certificate covering the required competency skills.

3. Non-Structural Analysis & Damage Repair

Demonstrate proficiency in assessing and repairing damage that does not affect the structural integrity of the vehicle. This includes expertise in repairing minor dents, replacing body panels, and fixing cosmetic issues. Have a strong understanding of vehicle construction and materials, be skilled in using hand and power tools, and be knowledgeable about modern repair techniques and adhesives. Be able to interpret damage reports, create repair plans, and ensure repairs meet manufacturer specifications and safety standards.

Select **one** of the following options:

- **USBE Microcredential:** Non-Structural Analysis & Damage Repair
- **ACR 1100 - Metallurgy/Nonstructural Parts** (Salt Lake Community College)

- **College Course:** Transcripts showing passing grade of relevant course(s), and course description covering the required competency skills.
- **ASE B3:** Non-Structural Analysis & Damage Repair
- **Industry Certification:** Verifiable certificate covering the required competency skills.

4. Structural Analysis & Damage Repair

Demonstrate proficiency in measuring and diagnosing structural damage using specialized tools like tram gauges, computerized measuring systems, and anchoring devices. Possess the skills to analyze, straighten, and align various types of frame damage, including mash, sag, side sway, twist, and diamond frame damage. Have a solid understanding of vehicle construction, frame structures, and the ability to perform repairs that restore the vehicle to its pre-accident condition. Proficiency in welding, sectioning, and the use of advanced materials is also required, along with a commitment to following safety standards and manufacturer guidelines.

Select one of the following options:

- **USBE Microcredential:** Structural Analysis & Damage Repair
- **ACR 1200 - Structural Analysis/Damage Repair** (Salt Lake Community College)
- **College Course:** Transcripts showing passing grade of relevant course(s), and course description covering the required competency skills.
- **ASE B4:** Structural Analysis & Damage Repair
- **Industry Certification:** Verifiable certificate covering the required competency skills.

5. Basic Automotive Electrical

Demonstrate a knowledge of electrical theory, performance of diagnostics, and troubleshooting regarding common electrical components of light vehicles and equipment.

- Behavior of electrons, voltage, current, and resistance
- Diagnostic tools, DVOMs, & test lights
- Electrical circuit components & failures
- Wiring diagram reading & interpretation
- High voltage systems
- Safety protocols (ID, prevent, & mitigate hazards)
- Operation and maintenance of components

Select one of the following options:

- **USBE Microcredential:** Basic Automotive Electrical
- **AUTO 1600 - Electrical & Electronics I Theory** (Utah State University)
- **College Course:** Transcripts showing passing grade of relevant course(s), and course description covering the required competency skills.
- **ASE B5:** Mechanical & Electrical Components
- **Industry Certification:** Verifiable certificate covering the required competency skills.

6. Auto, Diesel, & Collision Shop Management

Demonstrate best practices relevant to Automotive/Diesel shop management:

- Equipment & tool management
- Shop management

- Safety

Select one of the following options:

- **USBE Microcredential:** Auto, Diesel, & Collision Shop Management
- **TEAU 1060 - Safety and Introduction to Automotive Service** (Utah State University)
- **College Course:** Transcripts showing passing grade of relevant course(s), and course description covering the required competency skills.

7. CTSO Knowledge

Demonstrate Career and Technical Student Organization (CTSO) knowledge:

- **Help students lead:** Give students opportunities to build their leadership abilities and take charge.
- **Mentor students:** Offer guidance to help students set goals and overcome difficulties as they grow.
- **Manage the organization:** Coordinate meetings, events, and budgets, and handle administrative tasks smoothly.
- **Create helpful programs:** Develop activities that match the CTSO's goals of building leadership, exploring careers, and developing skills.
- **Communicate effectively:** Clearly talk with students, school leaders, and community members, and promote the CTSO.
- **Work with others:** Partner with teachers, businesses, and other organizations to create opportunities like internships and community service.
- **Advocate for CTE:** Promote Career and Technical Education and work to get the resources and recognition it needs.
- **Keep learning:** Stay up-to-date on CTSO management and trends in CTE.
- **Focus on student success:** Support students' interests and celebrate their accomplishments.

Select one of the following options:

- **Attend a CTSO Fall Leadership Conference:** Reflected on MIDAS transcripts.
- **USBE Course:** [SkillsUSA Utah Advisor Training](#)
- **USBE Microcredential:** Career & Technical Student Organizations