

Power Motor Sports Repair Endorsement

Specifications, Competencies & Requirements

PURPOSE

This endorsement is meant for certified teachers interested in teaching **Power Motor Sports 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:

Small Engine Repair
Power Motor Sports Repair

ENDORSEMENT TYPES

Prerequisite

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

Associate Level Requirements

Applicants must complete **TWO** 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.

Basic Automotive Electrical
Preventative Maintenance
Automotive Tool Usage
Auto, Diesel, & Collision Shop Management

Professional Level Requirements

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

CTSO Knowledge

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. 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 (Power Motor Sports Repair Endorsement Stack)
- **AUTO 1600 - Electrical and 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 A6:** Electrical Electronics
- **Industry Certification:** Verifiable certificate covering the required competency skills.

3. Preventative Maintenance

Demonstrate key tasks for preventative maintenance:

- Cleanings
- Sharpening cutting components
- Air filter service
- Engine and gearbox oil service
- Belts, cables, levers, and chains
- Ignition system components
- Fuel system

Select ***one*** of the following options:

- **USBE Microcredential:** Preventative Maintenance (Power Motor Sports Repair Endorsement Stack)
- **AUTO 1000 - Introduction to Transportation Technology I** (Utah State University)
- **College Course:** Transcripts showing passing grade of relevant course(s), and course description covering the required competency skills.
- **ASE G1:** Auto Maintenance and Light Repair
- **Industry Certification:** Verifiable certificate covering the required competency skills.

4. Automotive Tool Usage

Demonstrate safe and appropriate use of:

- Hand tools
- Power tools
- Pneumatic tools
- Storage and maintenance
- Benchtop equipment
- Lift equipment

Select **one** of the following options:

- **USBE Microcredential:** Automotive Tool Usage (Power Motor Sports Repair Endorsement Pathway)
- **AUTO 1000 - Introduction to Transportation Technology I** (Utah State University)
- **College Course:** Transcripts showing passing grade of relevant course(s), and course description covering the required competency skills.
- **Industry Certification:** Verifiable certificate covering the required competency skills.

5. 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 (Power Motor Sports Repair Endorsement Pathway)
- **AUTO 1000 - Introduction to Transportation Technology I** (Utah State University)
- **College Course:** Transcripts showing passing grade of relevant course(s), and course description covering the required competency skills.

6. 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:

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