

Fire Science Endorsement

Specifications, Competencies & Requirements

PURPOSE

This endorsement is meant for certified teachers interested in teaching **Fire Science** courses. It is attached to a current Utah Educator License with a license area of concentration in **Secondary** or **Career Technical Education (CTE)** Education.

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

Fire Science, Introduction
Fire Science, Safety, and Survival
Fire Science, Fire Behavior, and Combustion
Wildland Firefighter

ENDORSEMENT REQUIREMENTS

Prerequisite

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

Endorsement Competency

Applicants must complete the following competency requirements to hold the professional endorsement.
Core Firefighting Operation

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 program's future, 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 holds a professional-level CTE endorsement

Endorsement Competency

2. Core Firefighting Operations

Demonstrate skills related to fire suppression, rescue operations, hazardous materials response, fire

Required: Firefighter Level II Certification from an organization accredited by the International Fire Service Accreditation Congress (IFSAC).