

# 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

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### 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).