



Secondary CTE Fire Science

Applicant

Legal name:

Date:

Requirements

Applicants must meet both content knowledge and occupational experience requirements.

Content Knowledge (Applicants must have A or B):

- A. 24 semester hours of related postsecondary coursework verified on an official transcript to include a minimum of three (3) semester hours of content coursework in **eight** (8) of the areas listed in the table below. **OR**
- B. Applicants who provide a valid and current state* or national industry license or certification in the appropriate occupational area (e.g., Colorado Dept. of Public Safety certifications) may have the content coursework waived by the Colorado Department of Education. **This does not include teacher licenses.*

Occupational Experience (Applicants must have either option 1 or 2):

Credit for student teaching (up to 800 hours) in the content area may be applied to either occupational or teaching experience

- 1. 4,000 hours of verified occupational experience in the content area **OR**
- 2. Three (3) years' verified teaching experience in the content area (full-time is defined as 51% or more of a teaching schedule dedicated to teaching in the content area).

Content coursework (3 semester hours in eight of the areas)	Coursework	Semester Hours
Firefighter occupational health and safety		
Fire protection systems		
Fire inspection practices		
Firefighting strategy and tactics		
Hazardous materials		
Fire codes and ordinances		
Fire ground organization and command		
Fire science hydraulics		
Rescue techniques		

Total semester hours (24 semester hours required):

Up to a maximum of six (6) semester hours of professional development may serve in lieu of coursework in the "content coursework" section above and must be documented within the application. (15 contact hours = 1 semester hour)

Note: Initial (three-year) CTE authorizations cannot be renewed and always include mandatory CTE coursework assigned at the time of issuance. You will be notified by CDE via email of all required coursework that is needed to advance to a professional (five-year) CTE authorization. Please do not enroll in coursework until you receive the notification from CDE.