



Secondary CTE Energy

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 each of the areas listed as **REQUIRED** below, and 15 semester hours of content related coursework from the areas listed as **RELATED** 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., energy industry fundamentals, certified energy or building analyst, certified energy manager, licensed master electrician, etc.) may have their 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. 2,000 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	Coursework	Semester Hours
REQUIRED (3 Semester Hours in Each)		
Natural resource conservation/environmental science		
Physics or application of physical science		
Electrical theory, generation and distribution		
RELATED (Total of 15 Semester Hours)		
Earth science		
Chemistry/organic chemistry/biochemistry		
Geology		
Mechanical systems/mechanical maintenance		
Coursework specific to individual energy pathways		
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 "related 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.		