



## Secondary CTE Energy

### Applicant

Legal name: \_\_\_\_\_ Date: \_\_\_\_\_

### 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 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 may have the content coursework waived by the Colorado Department of Education (e.g., Energy Industry Fundamentals, Certified Energy or Building Analyst, Certified Energy Manager, Licensed Master Electrician, etc.). *\*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 within the last seven years

**OR**

2. 3 years verified teaching experience in the content area within the last seven years (full-time is defined as 51% or more of a teaching schedule dedicated to teaching in the content area).

Content coursework	Coursework	Semester Hours
<b>REQUIRED (3 Semester Hours in Each)</b>		
Natural Resource conservation/Environmental science		
Physics or application of physical science		
Electrical theory, generation and distribution		
<b>RELATED (Total of 15 Semester Hours)</b>		
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 6 semester hours of professional development may be applied toward coursework in the “related” categories and must be documented in 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 related to this CTE Authorization until you have been notified by the Colorado Department of Education.**