



Secondary CTE Manufacturing Processes

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 *four* 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., NAM certification, SME certified manufacturing technologist, SME lean certification) may have the content coursework waived by the Colorado Department of Education. **This does not include teacher licenses.*

Occupational Experience (Applicants must have 1, 2 or 3):

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

1. If you hold a bachelor's or higher degree: 2,000 hours of verified occupational (non-teaching) experience in the content area **OR**
2. If you hold less than a bachelor's or higher degree: 4,000 hours of verified occupational (non-teaching) experience in the content area **OR**
3. 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 (min. 3 semester hours in 4 areas)	Coursework	Semester Hours
Introduction to manufacturing technology		
Introduction to process technology		
Manufacturing design		
Networks and control systems		
Manufacturing, communications and teamwork		
Pathway specific courses (health, safety and environment, logistics and inventory, quality assurance, etc.)		

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.