



## Secondary CTE Manufacturing Processes Endorsement

### Applicant

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

Date: \_\_\_\_\_

### Requirements

**Content Knowledge (Applicants must have A or B):**

A. 24 semester hours of related postsecondary coursework from a regionally accredited institution verified on an official transcript to include a minimum of 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 may have the content coursework waived by the Colorado Department of Education (e.g., NAM certification, SME Certified Manufacturing Technologist, SME Lean Certification).

**Occupational Experience (Applicants must have either option 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 degree or higher: 2,000 hours of verified occupational (non-teaching) experience in the content area within the last seven years **OR**
2. If you hold less than a Bachelor's degree: 4,000 hours of verified occupational (non-teaching) experience in the content area within the last seven years **OR**
3. 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 (3 semester hours in four of the 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 6 semester hours of professional development may be applied toward coursework requirements and must be documented in the application. (15 contact hours = 1 semester hour)

**Note: Initial (3 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 move from a three year to a 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.**