

Manufacturing Endorsement Application

Endorsement Application for the Utah State Board of Education

APPLICANT INFORMATION

Name:

CACTUS ID#:

Email:

PURPOSE

This endorsement is meant for certified teachers interested in teaching **Manufacturing** courses. It is attached to a current Utah Educator License with a concentration area in **Secondary** or **CTE** Education.

Prerequisite Requirement

CTE Knowledge

Associate Level Requirement

Complete **THREE** of the required competencies.

This endorsement is non-renewable and valid for up to three school years before it expires.

Professional Level Requirements

Complete **ALL** the competency areas.

REQUIRED PREREQUISITE

1. CTE Knowledge

Select one of the following options:

- ☐ USBE Course: [CTE Orientation Canvas](#) course
- ☐ Complete THREE years of full-time CTE Teaching in Utah
- ☐ Currently hold a professional-level CTE endorsement

ENDORSEMENT COMPETENCY AREAS

1. Manufacturing/Production Systems

Select one of the following options:

- ☐ Bachelor's degree in engineering, computer science, or manufacturing
- ☐ Coursework in CAD, Electronics, Programming, Engineering, and Manufacturing/Production Systems.
- ☐ Advanced Manufacturing Undergraduate Certificate

2. Lean/Quality Control

Select one of the following options:

- ☐ Hold a bachelor's degree in engineering or a directly related field (e.g., Manufacturing Engineering).
- ☐ Lean Manufacturing Bronze Certification
- ☐ Six Sigma Yellow Belt
- ☐ Advanced Manufacturing Undergraduate Certificate

3. CAD/CAM

Select one of the following options:

- ☐ Hold a bachelor's degree in engineering or a directly related field (e.g., Manufacturing Engineering).
- ☐ OnShape CAD Basics Learning Pathway
- ☐ Technical College Drafting/Design program
- ☐ Advanced Manufacturing Undergraduate Certificate

4. Plans and Technical Documents

Select one of the following options:

- ☐ Hold a bachelor's degree in engineering or a directly related field (e.g., Manufacturing Engineering).
- ☐ PRAXIS #5053 Technology Education
- ☐ Complete a Machining program from a technical school
- ☐ Advanced Manufacturing Undergraduate Certificate

5. Machinery (Use and Maintenance)

Select one of the following options:

- ☐ Hold a bachelor's degree in engineering or a directly related field (e.g., Manufacturing Engineering).
- ☐ PRAXIS #5053 Technology Education
- ☐ Course work equivalent to: UVU CAW 140R, CAW 1170, CAW 2450
- ☐ Advanced Manufacturing Undergraduate Certificate

6. Materials Specific Processes (Plastics & Composites)

Select one of the following options:

- ☐ Hold a bachelor's degree in engineering or a directly related field (e.g., Manufacturing Engineering or Materials Science).
- ☐ Complete a plastics program from a technical school
- ☐ Advanced Manufacturing Undergraduate Certificate

7. Lab Safety

Select one of the following options:

- ☐ Bachelor's degree in engineering, computer science, or manufacturing
- ☐ Praxis #5053 Technology Education
- ☐ OSHA Safety Certification

8. *CTSO Knowledge*

Select one of the following options:

- ☐ Attend a CTSO Fall Leadership Conference
- ☐ USBE Course: SkillsUSA Utah Advisor Training
- ☐ USBE Microcredential: Career & Technical Student Organizations

APPLICATION SUBMISSION

Please submit the application online in the Utah Educator Licensing Application System, [Survey Monkey Apply](https://usbelicensing.smapply.us) (<https://usbelicensing.smapply.us>)