

Engineering 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 **Engineering** 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.

ENDORSEMENT COMPETENCY AREAS

1. CTE Knowledge (REQUIRED)

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

2. CAD/3D Modeling

Select one of the following options:

- ☐ Bachelor's degree in engineering/technology and engineering education
- ☐ NOCTI #5915 Pre-Engineering Exam
- ☐ Onshape CAD Basics Learning Pathway

3. Engineering Design

Select one of the following options:

- ☐ Bachelor's degree in engineering/technology and engineering education
- ☐ NOCTI #5915 Pre-Engineering Exam
- ☐ iCev Engineering Design & Problem Solving

4. *Electrical Theory & Digital Electronics*

Select one of the following options:

- ☐ Bachelor's degree in engineering/technology and engineering education
- ☐ SACA Certified Industry 4.0 Control Systems Specialist
- ☐ Skil Share Arduino Intro Course

5. *Electronic Components & Testing*

Select one of the following options:

- ☐ Bachelor's degree in engineering/technology and engineering education
- ☐ SACA Certified Industry 4.0 Control Systems Specialist
- ☐ Skil Share Arduino Intro Course

6. *C-Based Programming*

Select one of the following options:

- ☐ Bachelor's degree in engineering/technology and engineering education
- ☐ Automated Manufacturing Program from a Technical College
- ☐ SACA Certification Mtech
- ☐ Skillshare Introduction to Arduino: Creating Interactive Projects certificate
- ☐ Arduino for Makers: Intro to Microcontrollers

7. *Industrial Robotics & Automation*

Select one of the following options:

- ☐ Bachelor's degree in engineering/technology and engineering education
- ☐ Automated Manufacturing Program from a Technical College
- ☐ SACA Certification Mtech
- ☐ Skillshare Introduction to Arduino: Creating Interactive Projects certificate
- ☐ Arduino for Makers: Intro to Microcontrollers

8. *Lab Safety*

Select one of the following options:

- ☐ Bachelor's degree in engineering, computer science, or manufacturing
- ☐ Praxis #5051 Technology Education
- ☐ OSHA Safety Certification
- ☐ Technology & Engineering Lab Safety Microcredential (Coming 2026)

9. *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 (under development)

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>)