Programming & Software Development

Endorsement Application for the Utah State Board of Education

APPLICANT INFORMATION

Name: CACTUS ID#:

Email:

PURPOSE

This endorsement is intended for certified teachers interested in teaching programming and software development courses. It is attached to a current Utah Educator License with a license area of concentration in **Secondary** or **CTE** Education.

Prerequisite Requirement
CTE Knowledge

Associate Level Requirements
Complete **TWO** of the competency areas.
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. **Software Programming**

   Select one of the following options:
   - ☐ A bachelor's degree in computer science
     University:
     Degree:
   - ☐ PRAXIS #5652
   - ☐ Utah State University CS Teaching Program (3 courses)
   - ☐ Software Development Industry Exam
   - ☐ NES: Test #315: Computer Science
   - ☐ University Course
     University: Course code:

Course name: Semester/Year: Grade:
- ☐ Harvard EdX: CS50X

3. *Programming Language*

Select <u>one</u> of the following options:

- ☐ A bachelor's degree in computer science
    - University:
    - Degree:
- ☐ PRAXIS #5652
- ☐ Utah State University CS Teaching Program (3 courses)
- ☐ NES: Test #315: Computer Science
- ☐ Industry Certification (choose one)
    - o C# Knowledge Pillars C# Coding Specialist
    - o Python: Certiport ITS Python
    - o Python: Knowledge Pillars Python Coding Specialist
    - o Java: Certiport ITS Java
    - o Java: Knowledge Pillars Java Coding Specialist
    - o JavaScript: Certiport ITS JavaScript
    - o JavaScript: Knowledge Pillars JavaScript Coding Specialist
- ☐ University Course
    - University: Course code:
    - Course name: Semester/Year: Grade:
- ☐ Ed2go (Choose One)
    - o Introduction to C# Programming
    - o Introduction to C++ Programming
    - o Introduction to Java Programming
    - o Introduction to JavaScript
    - o Introduction to Python Programming
- ☐ Harvard EdX: CS50W

4. *Database*

Select <u>one</u> of the following options:

- ☐ A bachelor's degree in computer science
    - University:
    - Degree:
- ☐ PRAXIS #5652
- ☐ Utah State University CS Teaching Program (2 courses)
- ☐ NES: Test #315: Computer Science
- ☐ Certiport ITS Databases Exam
- ☐ University Course
    - University: Course code:
    - Course name: Semester/Year: Grade:

5. *Game Development*

Select <u>one</u> of the following options:

- ☐ A bachelor's degree in computer science

  University:

  Degree:
- ☐ PRAXIS #5652
- ☐ Utah State University CS Teaching Program (3 courses)
- ☐ Unity Certified User Industry Exam
- ☐ NES: Test #315: Computer Science
- ☐ University Course

  University: Course code:

  Course name: Semester/Year: Grade:
- ☐ Coursera: Game Design: Art & Concepts Specialization

6. *Web Development Asset Creation*

Select <u>one</u> of the following options:

- ☐ A bachelor's degree in computer science

  University:

  Degree:
- ☐ PRAXIS #5652
- ☐ Utah State University CS Teaching Program (3 courses)
- ☐ Adobe Photoshop Industry Exam
- ☐ NES: Test #315: Computer Science
- ☐ Photoshop Image Editing USBE Microcredential
- ☐ University Course

  University: Course code:

  Course name: Semester/Year: Grade:

7. *Digital Literacy*

Select <u>one</u> of the following options:

- ☐ USBE Digital Literacy Methods Workshop
- ☐ IC3 Digital Literacy Certifications

8. *CTSO Knowledge*

Select <u>one</u> of the following options:

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

APPLICATION SUBMISSION

Submit the application online in the Utah Educator Licensing Application System, Survey Monkey Apply (https://usbelicensing.smapply.us). **Please upload any certifications or documentation that verifies the competencies indicated.**