CTE Welding Pathway Course Sequence

**Welding Technology 1 (Introductory)**
This year-long course covers safety, tools, metal properties and their identification. Students learn arc welding, oxyacetylene gas welding, and machining through hands-on experience with each. Students are introduced to various careers and learn, in-depth, the major metal working processes used in industry today. Students learn how to complete a job application and create a quality resume.

**Advanced Welding (Concentrator)**
Year-long course for students who have successfully completed Welding Technology 1. Students will engage in project-based learning as they broaden their skills in all positions of welding. Each project will focus on one or more industry-relevant skill or design technique, giving students real-world application. Students update and enhance personal resumes and participate in mock interviews. Students can earn Butte College credit upon completing this course.

**Welding Fabrication (Capstone)**
This is a two-hour course for students who have successfully completed Advanced Welding. In this year-long Capstone course, students will build industry-standard skills in the areas of welding, sheet metal, heat treating/hardfacing, and light construction. Upon completion, students will be qualified for entry-level jobs in welding, cutting, and metal fabrication. Students have the opportunity gain real-world work experience, being placed in an internship with a local welding/fabrication business. This course focuses on project-based learning and provides various work-based learning opportunities including industry tours and events and guest speakers. Resumes are updated and interview skills polished with additional practice. Students can earn Butte College credit upon completing this course.

**LOCAL POST-SECONDARY OPTIONS:**

**Butte College**
- AS Degree in Welding Technology
- Certificate in Welding Technology
- Certificate in PowerPathway Gas Pipeline Welding

**CSU, Chico**
- BS Sustainable Manufacturing

**Shasta College**
- AS Degree in Welding Technology
- Certificate in Welding Technology
- Certified Welder (AWS)

**HIGH-WAGE CAREERS:**
* Sheet Metal Worker
* Machinist
* First-Line Supervisor
* Tool and Die Maker

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**Career and Technical Student Organization:**
SkillsUSA
Champions at Work