

## CAREER TECHNICAL EDUCATION (CTE) TWO-YEAR PROGRAM REVIEW

**Program:** WELDING

**Planning Year:** 2019

**Unit:** Engineering Technology

**Cluster:** Workforce Economic Development **Last Year of CPPR/Voc. Ed Review:** 2019

**INSTRUCTIONS:** CTE programs will complete and submit the below Two-year Program Review as part of a regular two-year program review cycle (Ed Code 78016). In addition, CTE programs will complete and submit an APPW on an annual basis and an Instructional Comprehensive Program Planning and Review (CPPR) every four years according to the institutional comprehensive planning cycle for instructional programs.

### **California Ed Code 78016**

- A. Every vocational or occupational training program offered by a community college district shall be reviewed every two years by the governing board of the district to ensure that each program, as demonstrated by the California Occupational Information System, including the State-Local Cooperative Labor Market Information Program established in Section 10533 of the Unemployment Insurance Code, or if this program is not available in the labor market area, other available sources of labor market information, does all of the following:
  - 1. Meets a documented labor market demand.
  - 2. Does not represent unnecessary duplication of other manpower training programs in the area.
  - 3. Is of demonstrated effectiveness as measured by the employment and completion success of its students.
- B. Any program that does not meet the requirements of subdivision (A) and the standards promulgated by the governing board shall be terminated within one year.
- C. The review process required by this section shall include the review and comments by the local Private Industry Council established pursuant to Division 8 (commencing with Section 15000) of the Unemployment Insurance Code, which review and comments shall occur prior to any decision by the appropriate governing body.
- D. This section shall apply to each program commenced subsequent to July 28, 1983.
- E. A written summary of the findings of each review shall be made available to the public.

**NARRATIVE:** Review your CTE program according to the following three prompts with analysis of data provided by the State: <http://www.labormarketinfo.edd.ca.gov/>.

If assistance is needed to retrieve data, please contact the Dean of Workforce and Economic Development.

Provide a written summary for each prompt. If yes, explain why and/or how. If no, explain why.

I. **Meets a documented labor market demand,** <http://www.labormarketinfo.edd.ca.gov/>.

## **Projections of Employment by Occupation, 2016 - 2026**

### **Occupations Matched to Top Code(s):**

095650 *Welding Technology*

**Geography:** California

**Counties:** All California Counties

Annual Job Openings by Occupation

<b>SOC Code</b>	<b>Occupation Title (Link to Occupation Profile)</b>	<b>2016 Employment</b>	<b>Annual Job Openings<sup>1</sup></b>
514121	<a href="#">Welders, Cutters, Solderers, and Brazers</a>	29,500	3,450
514122	<a href="#">Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders</a>	3,300	300
	<b>Total</b>	32,800	3,750

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<sup>1</sup>Total Job Openings are the sum of new jobs from growth plus net replacements. Annual job openings are total job openings divided by the number of years in the projection period.

<sup>2</sup>This occupation has been suppressed due to confidentiality.

***When evaluating labor market documentation one must consider several identified industries that are fed by trained welders. Some of the examples include:***

***Tank Construction – (3 companies in the county)***

***Power Piping – (1 Nuclear Power Plant, Diablo Canyon)***

***Solar Power Industry – (New Installation in California Valley)***

***Oil and Gas Piping – (San Ardo Oil fields just North of Paso Robles)***

***Medical /Food Sanitary Installations-(Supporting Food Service and Hospitals County Wide)***

***Engineering/General Construction***

***Education – Welding Instructors***

## II. Does not represent unnecessary duplication of other manpower training programs in the

### **area** **Welding Technology/Welder**

Welding Technology/Welder. A program that prepares individuals to apply technical knowledge and skills to join or cut metal surfaces. Includes instruction in arc welding, resistance welding, brazing and soldering, cutting, high- energy beam welding and cutting, solid state welding, ferrous and non-ferrous materials, oxidation-reduction reactions, welding metallurgy, welding processes and heat treating, structural design, safety, and applicable codes and standards.

#### **Training Providers for Welding Technology/Welder in San Luis Obispo County**

Provider Name	Program Name
Plumbers and Steamfitters	Welding Technology/Welder
Cuesta College	Welding Technology/Welder

***The above referenced chart was attained through the California Employment Development Department Website. They indicate only two major Welder Training Programs: The Local 403 Pipe Fitter Union in San Luis Obispo and Cuesta College.***

***Additionally, the Cuesta College Welding Advisory Committee serves as our primary resource to evaluate the integrity and viability of our welder training program. There are members from various local industry partners AND representatives from our local high schools and university.***

***Cuesta College offers the only Post-Secondary Comprehensive Welder Training program in San Luis Obispo County. The only other school in the county that offers any welding instruction is California Polytechnic State University in SLO. Cal Poly offers a survey class only and several of the departments actually send their students to Cuesta for specific training in Welding Technology.***

## III. Is of demonstrated effectiveness as measured by the employment and completion success of its students,

[https://misweb.cccco.edu/perkins/Core\\_Indicator\\_Reports/Summ\\_CoreIndi\\_TOPCode.aspx](https://misweb.cccco.edu/perkins/Core_Indicator_Reports/Summ_CoreIndi_TOPCode.aspx)



**PERKINS IV Core Indicators of Performance by 6-digit Vocational TOP Code**  
Summary Detail Report for 2017-2018 Fiscal Year Planning

CUESTA COLLEGE

**095650 Welding Technology**

	Core 1 Skill Attainment			Core 2 Completions			Core 3 Persistence		
	Percent	Count	Total	Percent	Count	Total	Percent	Count	Total
Program Area Total	97.83	45	46	88.89	16	18	91.30	42	46
Female	100.00	5	5	100.00	5	5	80.00	4	5
Male	97.56	40	41	84.62	11	13	92.68	38	41
Non-traditional	100.00	5	5	100.00	5	5	80.00	4	5
Displaced Homemaker		0	0		0	0		0	0
Economically Disadvantaged	100.00	21	21	100.00	9	9	100.00	21	21
Limited English Proficiency		0	0		0	0		0	0
Single Parent	100.00	1	1		0	0	100.00	1	1
Students with Disabilities	90.00	9	10	100.00	2	2	100.00	10	10
Technical Preparation		0	0		0	0		0	0
District	97.83	45	46	88.89	16	18	91.30	42	46
State	90.11	19,488	21,627	61.23	4,791	7,824	78.55	16,745	21,317

  

	Core 4 Employment			Core 5a NT Participation			Core 5b NT Completion		
	Percent	Count	Total	Percent	Count	Total	Percent	Count	Total
Program Area Total	100.00	8	8	10.87	5	46	31.25	5	16
Female	100.00	2	2	100.00	5	5	100.00	5	5
Male	100.00	6	6	0.00	0	41	0.00	0	11
Non-traditional	100.00	2	2	10.87	5	46	31.25	5	16
Displaced Homemaker		0	0		0	0		0	0
Economically Disadvantaged	100.00	2	2	19.05	4	21	44.44	4	9
Limited English Proficiency		0	0		0	0		0	0
Single Parent		0	0	0.00	0	1		0	0
Students with Disabilities	100.00	1	1	10.00	1	10	50.00	1	2
Technical Preparation		0	0		0	0		0	0
District	100.00	8	8	10.87	5	46	31.25	5	16
State	77.08	5,743	7,451	6.35	1,779	28,036	6.31	454	7,200

The DR notation indicates privacy requirements - EDD requires that counts less than six not be displayed.

Performance Rate Less Than Goal is Shaded

Core 1 - Skill Attainment, GPA 2.0 & Above: 91.00% Performance Goal - ( 2014- 2015)  
 Core 2 - Completions, Certificates, Degrees and Transfer Ready: 88.00% Performance Goal - ( 2014- 2015)  
 Core 3 - Persistence in Higher Education: 90.00% Performance Goal - ( 2014- 2015)  
 Core 4 - Employment: 68.00% Performance Goal - ( 2014- 2015)  
 Core 5 - Training Leading to Non-traditional Employment: Greater than 23.32% Participation & 26.71% Completion - ( 2014- 2015)

Source: CCCC MIS Database, EDD Base Wage File, CSU Chancellor's Office,  
UC Office of the President, 2000 Census, Student Loan Clearing House

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Report Create Date: 02/01/2010

***In light of the collected data, the Cuesta College Welding program is performing above the state averages in Completions and Employment for all the Core indicators, including Core 5a NT Participation.***