



BAKERSFIELD COLLEGE: CAREER TECHNICAL EDUCATION

TWO YEAR PROGRAM REVIEW FORM

PROGRAM INFORMATION

Chair Name	Klint Rigby	Date	9/12/18
Department	ITT	Discipline	Welding Technology
Most Recent Program Plan Completed On		Date	2/9/2016
Most Recent Program Review Completed On		Date	2/9/2016
Faculty Name	Josh Ralls		
Email	jralls@bakersfieldcollege.edu	Telephone	661-395-4790

1. MEETS A DOCUMENTED LABOR MARKET DEMAND

Source of information (check all that apply)

<input checked="" type="checkbox"/>	Bureau of Labor Statistics (http://www.bls.gov)
<input type="checkbox"/>	State of California Labor Market Information (www.labormarketinfo.edd.ca.gov/)
<input type="checkbox"/>	Advisory Committee Meeting held on Attach Minutes
<input type="checkbox"/>	Professional Association
<input checked="" type="checkbox"/>	Other EMSI EMSI Modeling Specialists

Findings

EMSI DATA for 48.0508 Welding Technology/Welder

- A) number of jobs within the above occupation(s) for 2013: 1,281
- B) number of jobs within the above occupations(s) for 2018: 1,192
- C) number and percent change (2013 to 2018): -89 jobs = -7% Change
- D) the average hourly earnings for the above occupation(s)
 25th percentile: \$16.48/hour
 Median: \$22.42/hour
 75th percentile: \$30.20/hour

EMSI DATA for 48.0508 Welding Technology/Welder

- A) number of jobs within the above occupation(s) for 2018: 1,192
- B) number of jobs within the above occupations(s) for 2023: 1,197
- C) number and percent change (2018 to 2023): =5 jobs = +0.5% Change
- D) the average hourly earnings for the above occupation(s)
 25th percentile: \$16.48/hour
 Median: \$22.42/hour
 75th percentile: \$30.20/hour

BLS DATA for Welders, Cutters, Solderers, and Brazers

- A. Job Outlook- 2016-2026 = +7% Growth
- B. Employment Change 2016-2026 = +22,500

Job growth nationally continues to be a trend for welding. Furthermore, the “AWS predicts a welder shortage of 400,000 nationwide by 2024.” Coupled with the majority of welders reaching retirement age, this growth supports the continued need for welding education in our area. The hourly wage for welding jobs remains high. Entry level remains well above minimum wage, and the upper percentile remains high at \$30.20/hour. Combined with the documented shortage of welders, and established high earnings welding education will continue to be in high demand. This establishes at a minimum, the need to maintain current faculty, and section levels. In addition, the data clearly shows an environment that will sustain faculty and section offerings. Locally 89 jobs were lost from 2013-2018 resulting in a -7% job loss. This temporary loss can be attributed to the cyclical decline in oil prices experienced during this time. Jan 2016 oil declined to anemic price of \$35.77 per barrel. Huge layoffs occurred in our area during this period. However, oil prices have rebounded. In June 2018 oil rose to \$74.22 per barrel and job losses are beginning to be offset by re-hires and new hires.

2. DOES NOT REPRESENT UNNECESSARY DUPLICATION OF OTHER MANPOWER TRAINING PROGRAMS IN THE AREA.

List programs from other institutions (private/fee based/public):

<i>Name of Institution</i>	<i>Name of Program</i>	<i>Distance to College</i>	<i>Public/Private</i>	<i>Approx Enrollment</i>
Taft	Welding Technology	40 miles	X Public <input type="checkbox"/> Private	5,800
Cerro Coso Community College	Welding Technology	115 miles	X Public <input type="checkbox"/> Private	3,100

Findings	Certificates	Degrees	Total Completions
Bakersfield College	85	10	95
Taft	20	3	23
Cerro Coso	23	7	30
Does not represent duplication of other programs in our area due to distance to other institutions.			

3. DEMONSTRATED EFFECTIVENESS AS MEASURED BY EMPLOYMENT AND COMPLETION OF STUDENTS

Core Indicator Data Reviewed (See Attached) 095650	X Yes <input type="checkbox"/> No	Date 9/12/2018
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Insert Scores Below:

Success: 2017-18 = 72%	Completion: 2017-18 = 92%	Employment: N/A
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Non-Traditional: 5% Enrollment	Non-Traditional Completion: 0%
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Findings	Success rates continue to be above College-Wide average. However, Success rates are 1% lower than College-Wide average. Non-Traditional enrollment has seemed to peak at 5% with completion rates being low.
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4. REVIEW/APPROVALS

Date	Signature	Title
		Department Head
		College Dean

Presentation to Curriculum Committee	Click here to enter a date.
Presentation to College Council	Click here to enter a date.
Presentation to Board of Trustee	Click here to enter a date.