



BAKERSFIELD COLLEGE: CAREER TECHNICAL EDUCATION

TWO YEAR PROGRAM REVIEW FORM

PROGRAM INFORMATION

Chair Name	Jason Dixon	Date	9/10/2018
Department	Engineering & Systems	Discipline	Engineering Technology
Most Recent Program Plan Completed On		Date	Fall 2017
Most Recent Program Review Completed On		Date	
Faculty Name	Jason Dixon		
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1. MEETS A DOCUMENTED LABOR MARKET DEMAND

Source of information (check all that apply)

<input 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"/> X	Other	EMSI Modeling Specialists

Findings

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

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

Name of Institution	Name of Program	Distance to College	Public/Private	Approx Enrollment
			<input type="checkbox"/> Public <input type="checkbox"/> Private	
			<input type="checkbox"/> Public <input type="checkbox"/> Private	
			<input type="checkbox"/> Public <input type="checkbox"/> Private	

Findings

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

Core Indicator Data Reviewed	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date None Available
Insert Scores Below:		
Success:	Completion:	Employment:
Non-Traditional:	Non-Traditional Completion:	

Findings

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.

[Using EMSI / Educational Analyst / Programs / Program Report](#)

Run a historical Program Report for 2013 to 2018 to show the following data:

What TOP code(s) are you using for this report? 0924.00 Engineering Technology

- A) number of jobs within the above occupation(s) for 2013: 1,828
- B) number of jobs within the above occupations(s) for 2018: 1,645
- C) number and percent change (2013 to 2018): -183 = -10%
- D) the average hourly earnings for the above occupation(s) \$37.25
- E) number of completions (awards) from our college 2013-18: 1 AS degree
- F) number of completions (awards) from regional colleges 2013-18: 0

Then run a projection Program Report for 2018 to 2023 to show the following data:

- A) number of jobs within the above occupation(s) for 2018: 1,645
- B) number of jobs within the above occupations(s) for 2023: 1,637
- C) number and percent change (2018 to 2023): -8 = -0.5%
- D) the average hourly earnings for the above occupation(s): \$37.25 per hour
- E) number of annual openings and total replacement jobs

SOC	Description	2018-23 Change	2018-23 % Change	Avg. Hourly Earnings	2017 Jobs	Annual Openings	2018-23 Repl Jobs	2018-23 Openings	Typical Entry Level Education
17-3022	Civil Engineering Technicians	17	13%	\$27.28	121	15	57	74	AS degree
17-3023	Electrical and Electronics Engineering Technicians	(22)	(3%)	\$39.07	841	70	349	351	AS degree
17-3026	Industrial Engineering Technicians	2	3%	\$40.57	65	6	29	31	AS degree
17-3027	Mechanical Engineering Technicians	1	2%	\$29.24	56	5	24	25	AS degree
17-3029	Engineering Technicians, Except Drafters, All Other	(5)	(1%)	\$40.55	565	48	238	239	AS degree
		(8)	(0%)	\$38.44	1,649	144	697	720	

Does the above program meet a documented labor market demand? Please explain.

Yes – the -0.5% is deceiving. While there are projected negative openings in some emphases of engineering technology (electrical/electronics) there are significant openings in others (civil).

Using EMSI / Career Pathways / Occupation Analysis / Occupational Program Report

List all related programs of study by other educational institutions in our region:

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Does the above program represent unnecessary duplication of training programs in our area? Please explain.

No.