



BAKERSFIELD COLLEGE: CAREER TECHNICAL EDUCATION

TWO YEAR PROGRAM REVIEW FORM

PROGRAM INFORMATION

| | | | |
|---|--|------------|----------------------------------|
| Chair Name | Tommy W. Tunson | Date | 24 September 2018 |
| Department | Public Safety Training | Discipline | Public Safety Careers: Fire only |
| Most Recent Program Plan Completed On | | Date | |
| Most Recent Program Review Completed On | | Date | |
| Faculty Name | Tommy Tunson | | |
| Email | Tommy.tunson@bakersfieldcollege.edu | Telephone | 395-4117 |

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 checked="" type="checkbox"/> | State of California Labor Market Information (www.labormarketinfo.edd.ca.gov/) | |
| <input checked="" type="checkbox"/> | Advisory Committee Meeting held on 13Jun18 | See Appendix B2 |
| <input checked="" type="checkbox"/> | Professional Association | California Police Chiefs/Military Veterans |
| | Other: EMSI | EMSI Modeling Specialists |

Findings

EMSI: [Occupational Employment and Wages, May 2017](#)
[33-2011 Firefighters](#)
 Control and extinguish fires or respond to emergency situations where life, property, or the environment is at risk. Duties may include fire prevention, emergency medical service, hazardous material response, search and rescue, and disaster assistance.

National estimates for this occupation: [Top](#)
 Employment estimate and mean wage estimates for this occupation:

| Employment (1) | Employment RSE (3) | Mean hourly wage | Mean annual wage (2) | Wage RSE (3) |
|--------------------------------|------------------------------------|------------------|--------------------------------------|------------------------------|
| 319,860 | 0.7 % | \$24.97 | \$51,930 | 0.8 % |

Percentile wage estimates for this occupation:

| Percentile | 10% | 25% | 50% (Median) | 75% | 90% |
|---------------------------------|----------|----------|--------------|----------|----------|
| Hourly Wage | \$11.77 | \$16.06 | \$23.60 | \$32.03 | \$40.18 |
| Annual Wage (2) | \$24,490 | \$33,400 | \$49,080 | \$66,610 | \$83,570 |

Occupation Summary for Firefighters

| | | |
|-------------------------------|-------------------------------------|---|
| 318,272 Jobs (2016) | 0.6% % Change (2016-2017) | \$23.60/hr Median Hourly Earnings |
|-------------------------------|-------------------------------------|---|

Occupational Programs: Firefighters in the United States

| | | | | Programs (2017) | Completions (2017) | Openings (2017) |
|----------|-------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| | | | | 4 | 8,325 | 25,187 |
| CIP Code | Program | Completions (2013) | Completions (2014) | Completions (2015) | Completions (2016) | Completions (2017) |
| 43.0203 | Fire | 8,611 | 8,422 | 8,505 | 8,151 | 7,907 |
| 43.0206 | Wildland 20 | | 28 | 25 | 38 | 81 |

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 |
|--|-----------------|---------------------|--|-------------------|
| DNA No other academic Public Safety Training Programs in our area. | | | <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 Although California State University Bakersfield is in our area, this institution does not provide complete Public Safety Training Academies in Law Enforcement, Fire, Emergency Medical Technicians, or Paramedics.

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

| | | |
|-------------------------------------|---|------------------------------|
| Core Indicator Data Reviewed | X Yes <input type="checkbox"/> No | Date 24 September 2018 |
| Insert Scores Below: | | |
| Success: Core indicator#1 | Completion: Core Indicator #2 | Employment: Core Indicator#4 |
| Non-Traditional: Core Indicator #5a | Non-Traditional Completion: Core Indicator#5b | |

Findings Indicator Reports: https://misweb.cccco.edu/perkins/Core_Indicator_Reports/Forms_All.aspx
Fire Technology: TOP code: 213300

4. REVIEW/APPROVALS

| Date | Signature | Title Program Director |
|--------------|-----------------|------------------------|
| 24 Sept 2018 | Tommy W. Tunson | Department Head |
| | Richard McCrow | 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 2010 to 2015 to show the following data:

What TOP code(s) are you using for this report? ([213300 Fire Technology](#), [213310-Wildland Fire](#))

- A) number of jobs within the above occupation(s) for 2010
- B) number of jobs within the above occupations(s) for 2015
- C) number and percent change (2010to 2015)
- D) the average hourly earnings for the above occupation(s)
- E) number of completions (awards) from our college 2010-2015
- F) number of completions (awards) from regional colleges 2010-2015

Note: All of the aforementioned questions have been answered on the attached data trend sheet under EMSI, BLS, ISER, and Elumen attached forms.

Then run a projection Program Report for 2015 to 2020 to show the following data:

- A) number of jobs within the above occupation(s) for 2015
- B) number of jobs within the above occupations(s) for 2020
- C) number and percent change (2015 to 2020)
- D) the average hourly earnings for the above occupation(s)
- E) number of annual openings and total replacement jobs

Note: All of the aforementioned questions have been answered on the attached data trend sheet under EMSI, BLS, ISER, and Elumen attached forms.

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

[Yes, according to Core Indicators](#)

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

(See attached comprehensive report)

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

[California State University Bakersfield is in our area and provides undergraduate studies in criminal justice, administration of justice, and related fire safety and forensic education.](#)

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

(No, refer to reference EMSI data)