



**BAKERSFIELD COLLEGE: CAREER TECHNICAL EDUCATION**

**TWO YEAR PROGRAM REVIEW FORM**

**PROGRAM INFORMATION**

Chair Name	Chris McCraw	Date	9/5/2018
Department	Agriculture	Discipline	Forestry
Most Recent Program Plan Completed On		Date	9/2017
Most Recent Program Review Completed On		Date	9/2017
Faculty Name	Bill Kelly		
Email	wkelly@bakersfieldcollege.edu	Telephone	395-4097

**1. MEETS A DOCUMENTED LABOR MARKET DEMAND**

Source of information (check all that apply)

<input checked="" type="checkbox"/>	Bureau of Labor Statistics ( <a href="http://www.bls.gov">http://www.bls.gov</a> )
<input checked="" type="checkbox"/>	State of California Labor Market Information ( <a href="http://www.labormarketinfo.edd.ca.gov/">www.labormarketinfo.edd.ca.gov/</a> )
<input checked="" type="checkbox"/>	Advisory Committee Meeting held on Spring ,2018 <span style="float:right">Attach Minutes</span>
<input checked="" type="checkbox"/>	Professional Association <span style="float:right">Society of American Forestry—Southern San Joaquin Chapter</span>
<input type="checkbox"/>	Other <span style="float:right">EMSI Modeling Specialists</span>

**Findings** The forestry faculty—(1 full time and 2 adjunct)---meet with the advisory committee twice per year as a minimum. There is a great need for forestry/natural resource/wildlife/environmental science graduates in Kern County ,CA, and the nation. Conservation scientists , foresters , forestry and conservation technicians ,forest fire inspectors and prevention specialists , arborists , farm supervisors and fishing. Numbers are increasing by 2-23 % per year.

**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>
COS College of the Sequoias	forestry	85 miles	xPublic <input type="checkbox"/> Private	
Reedley College	forestry	100 miles	xPublic <input type="checkbox"/> Private	
			<input type="checkbox"/> Public <input type="checkbox"/> Private	

**Findings** The BC program is badly needed.BC gets more students employed and transferred than our competitors.

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

Core Indicator Data Reviewed	xYes <input type="checkbox"/> No	Date 2017
------------------------------	----------------------------------	-----------

Insert Scores Below:

Success: 76	Completion: 88	Employment: 76
Non-Traditional:36	Non-Traditional Completion:	

**Findings** Doing well.

**4. REVIEW/APPROVALS**

Date	Signature	Title
2016	Billy Barnes	Department Head
2017	Greg Cluff	College Dean

Presentation to Curriculum Committee	Click here to enter a date.
Presentation to College Council	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?

- A) number of jobs within the above occupation(s) for 2010 3596
- B) number of jobs within the above occupations(s) for 2015 3861
- C) number and percent change (2010to 2015) 7.4 % increase
- D) the average hourly earnings for the above occupation(s) 17.00
- E) number of completions (awards) from our college 2010-2015 87
- F) number of completions (awards) from regional colleges 2010-2015

**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 3861
- B) number of jobs within the above occupations(s) for 2020 4270
- C) number and percent change (2015 to 2020) 1% increase
- D) the average hourly earnings for the above occupation(s) 17.22
- E) number of annual openings and total replacement jobs

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

The number of jobs available in forestry/natural resources/wildlife/environmental science is increasing every year , and it will increase at an exponential rate in the future as 60% of all the employees in these fields are currently eligible to retire and will retire soon.

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

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

**COS forestry 85 miles public Reedley college forestry 100 miles**

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

No—BC serves a very different student population than the other schools and the distance is prohibitive to BC students.