**Bakersfield College**

**Program Review – Annual Update**

**I. Program Information:**

Program Name: FORESTRY

Program Type: X[ ]  Instructional [ ]  Non-Instructional

Program Mission Statement: The mission of the forestry program is to provide pertinent state-of-the-art education for vocational and transfer students in order to produce skilled forestry and natural resources professionals for the industry , both public and private.

Program Description: Describe how the program supports the Bakersfield College Mission. The forestry program is a CTE program. The certificates ,the AA degree , and the AS degree align us with one of the core missions of BC which is to supply trained individuals to work in in vocational and professional jobs. All of the courses are transferrable to the CSU and/or the UC system. One course meets a general education requirement, The closest competing school with a forestry program is over 90 miles away in Reedley.

**II. Program Assessment (focus on most recent year):**

1. How did your outcomes assessment results inform your program planning? A program outcome is to produce job ready students and student degrees. Results from previous years shows improvement. We will continue every possible effort to increase student awareness about the certificate , and the degrees as well as the many career opportunities.
2. How did your outcomes assessment results inform your resource requests? We have been asking for many years to have a new 24 passenger bus (85,000.00) to allow us to take more diversified forestry field laboratory activities/trips.
3. Instructional Programs only**:** How do course level student learning outcomes align with program learning outcomes? They are very similar and align very well.
4. How do the program learning outcomes align with Institutional Learning Outcomes? They are very similar and align very well.
5. Describe *any significant changes* in your program’s strengths since last year. We received a few forestry hand tools ( ie-climiniters and increment bores ) from VTEA which brings us closer to a classroom set. We have no GU equipement budget, and only 1000.00 GU money for supplies.
6. Describe *any significant changes* in your program’s weaknesses since last year. None
7. If applicable, describe any unplanned events that affected your program. None

**III. Resource Analysis:**

1. Human Resources
2. If you are requesting any additional positions, explain briefly how the additional positions will contribute to increased student success. (Faculty Request form; Classified Request form)
3. Professional Development (Professional Development form)
4. Describe briefly the effectiveness of the professional development your program has been engaged with (either providing or attending) during the last cycle, focusing on how it contributed to student success. We sponsor a speaker and dinner for the students to network with SAF (Society of American Foresters) members on campus twice a year. About 30 foresters and 75 students attend. I attend the CATA summer conference ,the Midwinter CC Ag Teachers Conference , and I serve on the Cal Poly Advisory Committee.
5. Provide rationale for future professional development opportunities and contributions that your program can make. All of the abovementioned professional development opportunities allow me and/or my students to meet with forestry professionals currently working in the field. This allows me to keep up on changes in the field and the students to get internships and/ or career jobs.
6. Facilities (M&O requests can be submitted by completing the [M&O request form](https://committees.kccd.edu/sites/committees.kccd.edu/files/Copy%20of%2012%20M%26O%20Needs%20Workbook%2012-13%20APR.xlsx).)

Has your area received any facilities maintenance, repair or updating in this cycle? NO

1. If yes, how has the outcome contributed to student success?
2. If no, how will your facilities request contribute to student success?
3. Technology (Technology requests can be made by filling out the [ISIT Request form](http://www.bakersfieldcollege.edu/irp/Annual%20Program%20Reviews/2012-13/13%20ISIT%20Priority%20Workbook%2012-13.xlsx).)
4. Has your program received new or repurposed technology in this cycle? NO
	1. If yes, how has this technology contributed to student success?
	2. If no, how will your new or repurposed technology request contribute to student success?
5. Do you need new or repurposed classroom technology to support student success and/or new office technology to support faculty/staff success? Justify your request. I teach in Forum East and it is adequate.
6. Budget (Changes to the budget allocation can be requested using the [Budget Change Request Form](http://committees.kccd.edu/bc/committee/programreview)).

If you are requesting any additional funding, explain briefly how it will contribute to increased student success. We desperately need a new bus as well as an equipment budget—we have no equipment budget. Our supply budget needs to be 5000.00 rather than the current 1000.00.

**IV. Trend Data Analysis:**

Highlight *any significant changes* in the following metrics and discuss what such changes mean to your program.

1. Changes in student demographics (gender, age and ethnicity).No Changes.
2. Changes in enrollment (headcount, sections, course enrollment and productivity). Forestry B2 has been increased from 84 to 125 students—they are currently at 124 and 119 9/11/2014.
3. Success and retention for face-to-face, as well as online/distance courses. No Changes
4. Other program-specific data that reflects significant changes *(please specify or attach).No Changes*

**V. Progress on Program Goals:**

1. List the program’s current goals. For each goal (minimum of 2 goals), discuss progress and changes. If the program is addressing more than two (2) goals, please duplicate this section.

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| **Program Goal** | **Which institutional goals from the Bakersfield College Strategic Plan will be advanced upon completion of this goal?** **(select all that apply)** | **Progress on goal achievement****(choose one)** | **Comments** **(if applicable)** |
| 1.Facilities Needs-Learning Environment-poor lab conditions and need for a newer larger bus. | x[ ]  1: Student Success x[ ]  2: Communication x[ ]  3: Facilities & Infrastructure [ ]  4: Oversight & Accountability [ ]  5: Integration [ ]  6: Professional Development | [ ]  Completed:\_\_\_\_\_\_\_\_\_\_ (Date) [ ]  Revised: \_\_\_\_\_\_\_\_\_\_ (Date)**x[ ]** Ongoing: \_\_\_\_\_\_\_\_\_\_ (Date) |  |

1. New or revised goals (if applicable)

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| **New/Replacement Program Goal** | **Which institutional goals from the Bakersfield College Strategic Plan will be advanced upon completion of this goal? (select all that apply)** | **Anticipated Results** |
| **Student Success/Completion—A A lack of instructors reduces section offerings and impacts success and completion.** | x[ ]  1: Student Success x[ ]  2: Communication x[ ]  3: Facilities & Infrastructure [ ]  4: Oversight & Accountability [ ]  5: Integration [ ]  6: Professional Development |  |

**VI. Curricular Review (Instructional Programs only):**

1. Review of Course Information:
	* Column A list all of the courses associated with the degree.
	* Column B list the Fall term the review process will be started for ongoing compliance.
	* Column C list the compliance due date.
	* Column D list any changes to courses with regard to distance education.
	* Column E list corresponding C-ID descriptors if available. <http://www.c-id.net/>

**\*\*Dates listed should reflect a five year cycle allowing for one year of review**

**to maintain ongoing compliance.\*\***

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| **A. Course** | **B. Fall Term Review will be Submitted** | **C. Compliance Due Date** | **D. Distance Education Changes** | **E. C-ID Descriptors Available** |
| Fore B1` | 2018 | 2018-19 |  | None |
| Fore B2 | 2018 | 2018-19 |  | None |
| Fore B3 | 2018  | 2018-19 |  | None |
| Fore B4 | 2018 | 2018-19 |  | None |
| Fore B5 | 2018 | 2018-19 |  | None |
| Fore B6 | 2018 | 2018-19 |  | None |
| Fore B7 | 2018 | 2018-19  |  | none |
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1. Review of Program Information:

Is the program information housed in CurricUNET accurate? (Considerations: changes in course(s) names and/or suffixes as well as additions/deletions of courses). If not, then a program modification needs to be started in CurricUNET to reflect the necessary changes. Explain the requested changes below.

\_None currently needed.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Is the program and course listing information in the current catalog accurate? If not, list the requested

changes below. Catalog information should reflect what is in CurricUNET.

\_None needed currently\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Student Education Plan (SEP) Pathway(s) uploaded to “Attached Files” in CurricUNET.

If applicable, SEP Pathway with CSU Breadth indicated? Yes or No

If applicable, SEP Pathway with IGETC indicated? Yes or No

If applicable, SEP Pathway with BC General Education indicated? Yes or No

 **\*\*Please ensure that the information housed in CurricUNET and the current catalog match. \*\***

1. If applicable, provide a description of the program’s future adoption of C-ID descriptors and Associate Degree for Transfer (ADT) or Model Curricula.

\_\_\_Forestry is not included in the Transfer (ADT) or Model Curricula.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_

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**VII. Conclusions and Findings:**

Present any conclusions and findings about the program. The forestry program is very successful at preparing BC students for the myriad of careers that exist in forestry/natural resources/wildlife/environment. Students with a certificate start in entry level or slightly above positions. Students with an AS degree start in mid-level positions, and students with an AA degree transfer to earn BS/MS/PhD degrees and enter professional series positions . Many BC students transfer to CSUB to the ERM-environmental resource management program. Over Half of their graduates started at BC. Other students transfer to Cal Poly,SLO and CSU,Humboldt—the only university forestry programs in California . We have a very dedicated faculty and staff who have a vision for the program. They are determined to continue to improve and innovate to create an educational program that will continue to grow and flourish for the next 100 years and serve our diversified students’ needs..

**VIII. Attachments (place a checkmark beside the forms listed below that are attached):**

[ ]  [Faculty Request Form](http://committees.kccd.edu/bc/committee/programreview) [ ]  [Classified Request Form](http://committees.kccd.edu/bc/committee/programreview) x[ ]  [Budget Change Request Form](http://committees.kccd.edu/bc/committee/programreview)

x[ ]  Professional Development [ ]  [ISIT Form](http://committees.kccd.edu/bc/committee/programreview) [ ]  [M & O Form](http://committees.kccd.edu/bc/committee/programreview)

x[ ]  x[Best Practices Form](http://committees.kccd.edu/bc/committee/programreview) **(Required)** [ ]  Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**IX. Certificates of Achievement:**

Programs with stackable certificates fill out the following form.

Stand alone certificates fill out the entire Annual Update.

**Certificate Form**

**Annual Update 2014-15**

**Name of Program:** \_\_Forestry\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **Certificate Name** | **JSC** | **CA** | **Is the certificate stackable?** | **Is the certificate a** **stand alone program?** |
| Forestry Certificate Of Achievement |  | x | YES |  |
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Please discuss the following questions regarding all area Certificates of Achievement (CA):

1. List certificates that are proposed for *addition*. NONE
2. List certificates that are proposed for *deletion*. NONE
3. For this CA, what are the SOC codes (Occupational Titles and codes) that students who complete the CA will be able to obtain entry-level employment in, and what are the projected annual openings and median salary for each occupational title? You can use your latest Program Review data for your response.See Program Review Doccument.
4. For this CA, what process was followed to ensure the required and possible elective courses were adequate for entry level employment (such as advisory committee input, surveys, industry feedback, licensing or accreditation agencies)? How often do/will you re-examine the effectiveness of certificate requirements? Advisory Committee Input/Industry Feedback. This is currently done at an advisory meeting held every semester.
5. What is your annual completion target (number of certificates awarded) for this CA? What was the number of awards in this CA for each of the past three years? Based on your results, what changes could you make in your program to meet or continue to exceed your target (such as course content, wwWe award 5 scheduling/sequence, outreach, instructional strategies)?
6. Based on what you know about your area, what emerging/potential institutional factors (internal) and industry factors (external) will impact this certificate? How are you planning to incorporate these factors in your planning and evaluation of this certificate?