**Bakersfield College**

**Program Review – Annual Update 2015/2016**

**I. Program Information:**

Program Name: Fire Technology

Program Type: [x]  Instructional [ ]  Student Affairs [ ]  Administrative Service

***Bakersfield College Mission****:* Bakersfield College provides opportunities for students from diverse economic, cultural, and educational backgrounds to attain Associate and Baccalaureate degrees and certificates, workplace skills, and preparation for transfer. Our rigorous and supportive learning environment fosters students’ abilities to think critically, communicate effectively, and demonstrate competencies and skills in order to engage productively in their communities and the world.

**Describe how the program supports the Bakersfield College Mission**:

 One of the components of Bakersfield College’s core mission initiatives is “promote academic, career and Career Technical Education (CTE) pathways.” The Fire Technology Program is one of the keys to completing this by providing an educational opportunity within the Fire Services Career Pathway. By following this pathway, students can earn their Associate in Arts or Science degree in Fire Technology or Wildland Firefighting. The program also meets the critical pre and post-employment needs for Bakersfield City, Kern County and State fire services. Our programs provide both workforce training for entry-level firefighters, as well as providing multiple opportunities for job skills training. In addition to our degree programs, students can earn certificates of achievement for Fire Officer, Chief Officer, and in Fire Technology.

**Program Mission Statement**:

The mission of the Bakersfield College Fire Technology Program is to promote and provide opportunities for students from diverse economic, cultural, and educational backgrounds to earn Associate and Baccalaureate degrees in preparation for transfer, as well as completing certificate requirements, and learning workplace skills. Our rigorous and supportive learning environment fosters students’ abilities to think critically, communicate effectively, and demonstrate competencies and skills in order to engage productively in their communities and the world as entry level firefighters.

**II. 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** |
| 1.Renew Olive Drive Fire Training contract with the City and County Fire Departments, for another five years. | [x]  1: Student Learning [ ]  2: Student Progression and Completion [x]  3: Facilities [x]  4: Oversight and Accountability [ ]  5: Leadership and Engagement  | [x]  Completed: \_11/16\_\_\_\_ (Date) [ ]  Revised: \_\_\_\_\_\_\_\_\_\_ (Date)**[ ]** Ongoing: \_\_\_\_\_\_\_\_\_\_ (Date) |  |
| 2.Separate fire technology, wildland, and EMS into three separate APR’s. | [ ]  1: Student Learning [x]  2: Student Progression and Completion [ ]  3: Facilities [x]  4: Oversight and Accountability [ ]  5: Leadership and Engagement  | [ ]  Completed: \_\_\_\_\_\_\_\_\_\_ (Date) [ ]  Revised: \_\_\_\_\_\_\_\_\_\_ (Date)**[x]** Ongoing: \_\_\_9/17\_\_\_ (Date) | The College IT department is working on this, but does not believe it will be completed until next year. The problem is that the data can only be searched using a four digit top code, we need it sorted by the six digit top code. |

1. List new or revised goals (if applicable)

|  |  |  |
| --- | --- | --- |
| **New/Replacement Program Goal** | **Which institutional goals will be advanced upon completion of this goal? (select all that apply)** | **Anticipated Results** |
| Move all Fire Tech Classes other than one B 1 class to online format. | [ ]  1: Student Learning [x]  2: Student Progression and Completion [ ]  3: Facilities [ ]  4: Oversight and Accountability [ ]  5: Leadership and Engagement  | It is hoped that the convenience of the online format will allow more students to access and complete classes. Curriculum is being revised. |

**III. 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).** Overall there was no significant change in student demographics. The exception being a 50% drop in African American enrollments. This group has consistently comprised 4% of enrollments over the past four rating periods which is consistent with college wide enrollments. This dropped to 2% during this period. There were no changes to program presentation or recruitment that would account for this drop, so this may be an anomaly rather than a trend. We will continue to monitor this number to assess whether changes are needed to increase enrollments in this demographic group. Female enrollments continue to be well below the college wide numbers, but are consistent industry demographics overall.
2. **Changes in enrollment (headcount, sections, course enrollment and productivity).** Headcount was up 3% during this rating period and 5% over the past two periods. Active sections have dropped from 127 to 109 in the same period. Productivity numbers were strong at 62.7 in comparison to the college wide productivity of 17.4.
3. **Success and retention for face-to-face, as well as online/distance courses**. Success and retention rates in the traditional format remained high at 99% for each measure. In the online format the success and retention rates continued to rise to 89% and 75% respectively. This was up from 85% and 68% during the previous period.
4. **Other program-specific data that reflects significant changes *(please specify or attach).* All Student Affairs and Administrative Services should respond.**

Total student awards of degrees and certificates rose 14%, with 22 degrees and 13 certificates awarded during this rating period.

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

Use attached **Assessment Report Form AU Tab**

1. **Describe *any significant changes* in your program’s strengths since last year.** There are no significant changes in the program strengths, but the addition of a new full time faculty instructor, and administrator positions has allowed greater focus to be placed on those functions which should translate into improvements in instructional delivery and department management moving forward. This change makes an already strong performing department stronger.
2. **Describe *any significant changes* in your program’s weaknesses since last year**. As stated above the addition of full time personnel has allowed a division of labor. This division improves the stressful overworked situation of one person managing the administrative and instructional functions. This allows better overview, planning, and assessment. This also provides a consistent dedicated faculty course oversight and direction for the fire technology courses, rather than the part time attention of various adjunct instructors.
3. **If applicable, describe any unplanned events that affected your program.** None.

**V. Assess Your Program’s Resource Needs:** To request resources (staff, faculty, technology, equipment, budget, and facilities), please fill out the appropriate form. <https://committees.kccd.edu/bc/committee/programreview>

1. Human Resources and Professional Development:
2. **If you are requesting any additional positions, explain briefly how the additional positions will contribute to increased student success. Include upcoming retirements or open positions that need to be filled.**

No positions requested.

1. Professional Development:
2. **Describe briefly the effectiveness of the professional development your program has been engaged in (either providing or attending) during the last year, focusing on how it contributed to student success.** New faculty seminars and 40-hour Canvas training have been instrumental in developing my skills as a new faculty member. The instruction and ideas I have received from these programs as well as the Mode A evaluation process have translated directly to improvements in course delivery which, although difficult to quantify, have no doubt contributed to student learning and success.
3. **What professional development opportunities and contributions can your program make to the college in the future?** I’m not sure what contributions I can make at this point, as I am essentially a sponge soaking up all I can learn from others.
4. Facilities:
5. **How have facilities’ maintenance, repair or updating affected your program in the past year as it relates to student success**? Renovation and reorganization of the office space has provided a space more conducive to office hours and to use by students for study and research.
6. **How will your Facilities Request for next year contribute to student success?** Although there is a definite need for a new fire training facility due to impaction, as well as use restrictions imposed as the result of the encroachment of residential development, and a school site near the current facility, there are no current facility requests. It is hoped that this situation can be relieved by funding made available by the passage of Measure J on the November ballot.

C. Technology and Equipment:

1. **Understanding that some programs teach in multiple classrooms, how has new, repurposed or existing technology or equipment affected your program in the past year as it relates to student success?** New computers were provided for new faculty in fire tech, and EMT. These computers enabled faculty to do their jobs which is key to student success.
2. How will your new or repurposed classroom, office technology and/or equipment request contribute to student success? N/A
3. **Discuss the effectiveness of technology used in your area to meet college strategic goals**. As most of our classes are moving to an online format, use of technology is essential. The introduction of the new Canvas platform is a real plus. It is a very intuitive, well designed, and supported program for online course delivery and is also a fantastic tool for supplementing face to face class content and management.

D. Budget: **Explain how your budget justifications will contribute to increased student success for your program.**  The overall budget remains lean with some increases to support the training and skills retention and updating for our new faculty member.

**VI. Conclusions and Findings:**

**Present any conclusions and findings about the program. This is an opportunity to provide a brief abstract/synopsis of your program’s current circumstances and needs.**

In conclusion this is a strong program that provides vital pre and post-employment training and education for the local and regional fire service. The program produced 416 FTES this last year. This number has declined during the past two rating periods. This decline may be in part attributed to the incremental shift from traditional to online presentation. This shift was reversed in the spring semester this last year due to the somewhat late hiring of our new faculty member, which necessitated face to face presentation of all classes. Although enrollment was up overall, we saw a drop in enrollments during the spring semester partly due to student confusion about the change in format. We will need to watch this trend to see how it responds to the move back to online presentation.

The addition of faculty and administrative positions has greatly streamlined our operations through creation of a manageable division of labor. Increasing student success numbers seem to bear out the wisdom of these changes, and we expect to see additional improvements moving forward as personnel adapt to their new positions.

**VII. Forms Checklist (place a checkmark beside the forms listed below that are submitted as part of the Annual Update):**

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

[x]  Curricular Review Form **(Instructional Programs Required)**

[x]  [Certificate Form](http://committees.kccd.edu/bc/committee/programreview) **(CTE Programs** **Required)**

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

[ ]  Professional Development Form [x]  [ISIT Form](http://committees.kccd.edu/bc/committee/programreview) [x]  [Facilities Form](http://committees.kccd.edu/bc/committee/programreview) (Includes Equipment)

[ ]  Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_