**Bakersfield College**

**Program Review – Annual Update**

**I. Program Information:**

Program Name: A.S. Degree Industrial Technology OPtion

Program Type:  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:

The AS Industrial Technology is a composite of various programs in the EIT department, providing EIT students with an option to study a wide variety of industrial fields. There are several Industrial Technology courses, along with a number of Associate of Science degrees with options within the disciplines that comprise the Industrial Technology area. The current courses that are identified as Industrial Technology (INDT) include: INDT B10 (Occupational Readiness), INDT B275 (Special Problems in Automotive), and INDT B271 (Special Problems in Welding). The Occupational Readiness course meets the educational planning requirements for certificates and degrees, as well as providing skill areas such as measurement, job‐seeking skills, portfolio creation, industry awareness, math review, and other topics. Our Special Problems courses provide an opportunity for students to pursue advanced‐level experiences in the discipline, as well as organizing and managing projects, teaching and assisting other students in the discipline, and performing lab activities that the coursework does not have time to cover. These Special Problems courses are offered as no‐load for the faculty that offer them, providing benefit to the students at no direct cost to the College.

Unlike other colleges that have technical coursework included in Industrial Technology, such as Industrial Maintenance at Porterville College, our discipline areas at Bakersfield College are well‐developed, which allows technical coursework to be offered in the individual disciplines. However, the INDT B10 course was created to serve all Industrial Technology disciplines, without requiring each discipline to offer similar courses. This has proved cost‐effective to the College, as the INDT B10 sections are always fully‐enrolled.

Since CTE is an essential part of the Community College mission, and since student success, retention, completion, and placement are all vital components of the College mission as well, our Industrial Technology (INDT) courses are designed to advise students and develop skills for success among the students enrolled in these courses.

Program Mission Statement:

The EIT faculty and staff strive to offer effective, up to date and student centered instruction, being sensitive to the diversity of our students, their educational needs, and their career goals. We provide relevant course and lab work geared toward day and night students seeking careers in EIT related fields, also meeting the needs of students seeking training for career advancement or skills updating. We use a multi‐dimensional approach in preparing our students not only for their specific career goals, but also provide activities that assist them with meeting their personal, academic, and intellectual goals. Our faculty actively pursues professional development, program/facilities improvement, and college/community involvement, seeking partnerships and collective efforts.

**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. Continue to   coordinate with local  industry through the  work of advisory  boards and other collaborative efforts. | 1: Student Learning  2: Student Progression and Completion  3: Facilities  4: Oversight and Accountability  5: Leadership and Engagement | Completed: \_\_\_\_\_\_\_\_\_\_ (Date)  Revised: \_\_\_\_\_\_\_\_\_\_ (Date)  Ongoing: \_\_2016-17\_ (Date) |  |
| 2. | 1: Student Learning  2: Student Progression and Completion  3: Facilities  4: Oversight and Accountability  5: Leadership and Engagement | Completed: \_\_\_\_\_\_\_\_\_\_ (Date)  Revised: \_\_\_\_\_\_\_\_\_\_ (Date)  Ongoing: \_\_\_\_\_\_\_\_\_\_ (Date) |  |

1. List new or revised goals (if applicable)

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| --- | --- | --- |
| **New/Replacement Program Goal** | **Which institutional goals will be advanced upon completion of this goal? (select all that apply)** | **Anticipated Results** |
| **Reevaluate the AS Industrial Technology, General Option.** | 1: Student Learning  2: Student Progression and Completion  3: Facilities  4: Oversight and Accountability  5: Leadership and Engagement | **Development of a degree curriculum that articulates to industrial technology degrees at universities.** |

**III. Trend Data Analysis:**

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

**PREFACE: It should be noted that that the statistics presented in KCCD’s program review data for Industrial Technology are for enrollments in INDT courses which are components of various programs in the EIT department. There are relatively few students declaring themselves as Industrial Technology majors and even fewer completers of the AS Industrial Technology (General Option) degree program – an average of one per year. Most EIT students select a defined program and follow that educational pathway.**

1. Changes in student demographics (gender, age and ethnicity).

Gender: The percentage of female students enrolling in Industrial Technology courses has declined over the past three years – 10% (14) in 2013-14, 10% (13) in 2014-15, and 5% (4) in 2015-16. The sudden drop was due to fewer INDT courses being offered in 2015-16.

Age and Ethnicity: The percentages for these two areas very closely follow the college-wide statistics.

1. Changes in enrollment (headcount, sections, course enrollment and productivity).

Headcount: The unduplicated headcount has decreased from 143 in 2013-14 to 80 in 2015-16. The courses taught include INDT B10 “Occupational Readiness” – our educational planning class – and several INDT B270 series “special problems/independent project” classes. Enrollments in INDT B10 have remained steady while the INDT B270 fluctuate randomly.

Sections: Two class sections of INDT B10were offered in 2015-16, down from four in 2014-15 and six in 2013-14. Additional faculty have been hired in 2015-16 who have INDT B10 as part of their teaching load.

Course Enrollment: First day enrollment has in INDT B10 is typically between 25 and 30 per section.

Productivity: FTEF/FTES for INDT B10 is typically around 15.0

1. Success and retention for face-to-face, as well as online/distance courses.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **2013-14** | | | **2014-15** | | | **2015-16** | | | **Overall** | | |
|  | INDT | BC | ∆ (INDT-BC) | INDT | BC | ∆ (INDT-BC) | INDT | BC | ∆ (INDT-BC) | INDT | BC | ∆ (INDT-BC) |
| Retention | 87% | 87% | 0% | 90% | 88% | +2% | 90% | 88% | +2% | 83% | 85% | +2% |
| Success | 87% | 70% | +17% | 90% | 69% | +21% | 90% | 71% | +19% | 76% | 69% | +7% |

1. Other program-specific data that reflects significant changes *(please specify or attach).* All Student Affairs and Administrative Services should respond.

**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.

* Additional faculty have been hired who can teach INDT B10.
* The textbook for INDT B10 has been changed to the “Changes & Careers” textbook used by KHSD to allow for the opportunity for Dual Enrollment.

1. Describe *any significant changes* in your program’s weaknesses since last year.
2. If applicable, describe any unplanned events that affected your program.

**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.

None being 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.
3. What professional development opportunities and contributions can your program make to the college in the future?
4. Facilities:
5. How have facilities’ maintenance, repair or updating affected your program in the past year as it relates to student success?
6. How will your Facilities Request for next year contribute to student success?

None being requested.

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?
2. How will your new or repurposed classroom, office technology and/or equipment request contribute to student success?
3. Discuss the effectiveness of technology used in your area to meet college strategic goals.

D. Budget: Explain how your budget justifications will contribute to increased student success for your program.

**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.

As previously stated, very few students earn the AS Industrial Technology – General Option. This may be an opportunity to redesign the curriculum as a transfer program as there is no TOP code assigned to the program.