

# Bakersfield College 2018-2019

## Program Review – Annual Update

Program Name: Architecture

**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.

### **Program Mission Statement:**

The Architecture 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 full and part time students seeking careers in Architecturally 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.

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

Career Technical Education (CTE) is one of the stated missions of the California Community College system. All types of construction, manufacturing, production, and engineering use drawings to communicate ideas through graphic communication. The Architecture program at Bakersfield College introduces the student to common conventions in the field and develops indispensable skills in:

- basic sketching and drafting techniques used every day by all levels drafters, designers, and architects
- creating graphic solutions appropriate for the type of work being performed
- employing principles of design with an understanding of architectural design processes
- increasing productivity through effective use of computer aided drafting (CAD) and 3D modeling software

Some classes are industry specific and give advanced instruction in 3D modeling. Architectural drawing classes benefit students pursuing careers in engineering, architecture, and construction as well as a broad range of careers that utilize the graphic skills acquired in the program. Bakersfield College, as part of the California Community College system, provides CTE, transfer, and basic skills coursework. Our facilities and equipment are exemplary among similar programs in the state, and as such, they have contributed both to student success and a positive example of Bakersfield College's commitment to relevant technology and high-wage, high-growth occupations within our service area.

### ***Instructional Programs only:***

The Architecture program at Bakersfield College currently offers an AS degree in Architectural Drafting and a Job Skills Certificate in Architectural CAD.. The Job Skills Certificate offered is composed of INDR B12, INDR B20a, ARCH B16, ARCH B30 and ARCH B33. This certificate is recognized by our local community and is one of the goals of most of our students. It provides a basic / beginning level of knowledge and skills.

### **Program Goals:**

A. 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. Please provide an action plan for each goal that gives the steps to completing the goal and the timeline.

1. **Program Goal:** Coordinate with local industry through the work of advisory boards and other collaborative efforts.

**List the institutional goals from the Bakersfield College Strategic Plan that will be advanced upon completion of this goal?**

(1. Student Learning, 2. Student Progression and Completion, 3. Facilities, 4. Leadership and Engagement)

**Progress on goal achievement:**

The faculty members are active participants in the Advisory Board composed of architects, contractors, engineers, and educators.

**Status Update – Action Plan and any link to Resource Requests:**

We value the opinions and input of the Advisory Board and will continue to constantly implement their suggestions as we update our curriculum.

2. **Program Goal:** Better document student progress through and upon completion of the program.

**List the institutional goals from the Bakersfield College Strategic Plan that will be advanced upon completion of this goal?**

(1. Student Learning, 2. Student Progression and Completion)

**Progress on goal achievement:** Documenting student progress through the program has been accomplished with better communication between faculty members as well as with students. The largest communication gap has been between students and the counseling department. The faculty is making every effort to inform the counseling department as to the program requirements and, especially course sequencing.

**Status Update – Action Plan and link to Resource Requests**

The faculty plans to hold private meetings with the Head of the counseling department and group meetings with the entire counseling department in an effort to curb the flow of misinformation to the students.

### **Program Analysis:**

Take a look at your trend data (all programs should have some form of data that is used to look at changes over time). *All programs will answer the following questions unless otherwise indicated.*

1. Please report on any unexpected changes or challenges that your program encountered this cycle: The biggest challenge has been the digital projector and document camera in MS12 has not adequately met our needs.
2. How does your trend data (or other data your area collects) impact your decision-making process for your program? We have need experienced a significant enough change in trends to have to address any issues.
3. Evidence of Department Dialog of data
  - If you have had time to review and discuss your program's data with members of your department, attach documentation of your discussion. Documentation can come in the form of minutes from meetings or retreats, email dialog or any other ways that show substantive discussion.

4. Were there any changes to student demographics (age, gender, or ethnicity) for the past cycle? The program has experienced a steady increase in the female population.
5. Were there any changes to student success and retention rates for face-to-face and online courses? (instructional only) The program is experiencing an increase in student population, generally.
6. Equity gaps
  - Please look for large differences, or gaps, between top performing groups and others. Consider how you could identify the reasons behind these gaps, and if there changes that could be made to reduce them. For in depth review of equity issues, and on changes that are being made campus-wide, please refer to the current [Bakersfield College Student Equity Plan](#).
7. Please describe any recent achievements of your department, including but not limited to faculty who have won awards or distinctions, new projects your department has implemented, professional development work, professional conference presentations or recently published work. We have had great success with our summer Architecture Camps for both Middle-school and High school students.
8. The college has embarked on significant efforts such as **Guided Pathways**, **affinity groups** and **completion coaching communities** to improve the success and completion rates of our students. Please describe what your program/department/office is doing to contribute to these efforts.
9. Explain your role if you are involved in Dual Enrollment, Inmate Education, or Rural Initiatives. N/A

### **Analysis of Received Resources from Previous Cycle**

#### **Discuss the type of resources you received and their Impact on program effectiveness?**

##### **Facilities:**

*If your program received a building remodel or renovation, additional furniture or beyond routine maintenance, please explain how this request or requests impacts your program and helps contribute to student success.*

- 1: Space Allocation
- 2: Renovation
- 3: Furniture
- 4: Other
- 5: Beyond Routine Maintenance

##### **Technology:**

*If your program received technology (audio/visual – projectors, TV's, document cameras) and computers, how does the technology impact your program and help contribute to student success?*

- 1: Replacement Technology
- 2: New Technology
- 3: Software
- 4: Other The new scanner in MS12 has greatly improved our student's ability to produce better quality work. It provides the student the ability to digitize their analog generated work thus allowing them to produce more professional quality assignments and projects.

## **Other Equipment**

*If your program received equipment that is not considered audio/visual or computer equipment technology, please explain how these resources impact your program and help contribute to student success.*

## **Conclusion:**

Present any conclusions and findings about the program. This is an opportunity to provide a brief abstract or synopsis of your program's current circumstances and needs. Consider this a snapshot of your program if someone were to only read this portion of your annual program review.

In the final analysis, the biggest challenges faced by our program is the need for new computers in MS9 and MS10 as well as new dual monitors in the instructor's station in MS12. This much-needed technology affords both students and faculty the ability to perform at the highest levels and guarantees student success.