

Bakersfield College 2018-2019

Program Review – Annual Update - Non Instructional

Program Name: MESA

Program Type (Administrative, Student Affairs, Academic Affairs, Other): Other

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 MESA program has been and will continue to create, provide, and connect under-represented and disadvantaged students to opportunities that will prepare them to transfer and successfully complete their desired degree(s). MESA establishes holistic individuals, with whom, are able to think critically, communicate effectively, and exercise skills that will continue their journey as a student and as a life-long learner in the community.

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.

Program Goal: 1. Improve the academic success for at least 125 low-income and educationally disadvantaged students by providing resources consisting of a study center, tutoring, academic and professional workshops, academic counseling and advising, networking activities, field trips, scholarships, internships and research opportunities.

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

(Student Learning, Student Progression and Completion, Facilities, Leadership and Engagement)

Student Learning, Student Progression and Completion, and Leadership and Engagement

Progress on goal achievement:

We are currently still recruiting until the end of the month, currently we are at about 100 students.

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

1.1 MESA Director will continue current duties and improve the performance of activities that have been established in the past thirteen years. In addition, she will seek new opportunities within education, governmental agencies and industry to promote the growth of the program, recruitment, and retention of students from underrepresented backgrounds into STEM fields.

1.2 Hire the appropriate staff to meet all reporting requirements.

1.3 Maintain MESA student files for each current/active student that consist of MESA application and intake form, complete student educational plan, and other academic records or forms to assist in student retention in STEM.

Program Goal: 2. Implement at least 5 efficient processes and practices and utilize existing college transfer centers to garner greater MESA student transfers to four-year colleges and universities.

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)

Student Learning, Student Progression and Completion, Facilities, and Oversight and Accountability

Progress on goal achievement:

We have referred and connected our students with other programs, such as EOP&S and with Marissa Marquez, so they are able to obtain information from multiple avenues, some more specific than others. UC transfer admission advisors presented and conducted one-one appointments with students at the STEM center.

Status Update – Action Plan and link to Resource Requests

2.1 Counseling for MESA students will be provided by current MESA Counselor, M.A. Merissa Paulson, on a part-time basis or by the BC STEM counselors, engineering counselor and Transfer counselor.

2.2 MESA, STEM, and Transfer counselors will develop transfer pathways and Transfer Agreement Guarantee (TAG).

2.3 Individualized institution information for transfer and selection criteria will be provided to all 125 MESA enrolled students and ASEM students.

2.4 Engineering Liaison Council (ELC) meetings will be attended by the Engineering Faculty sponsor, MESA Director, or MESA/STEM Counselor to ensure all new information regarding ELC and transferability is up-to-date with MESA staff.

Program Goal 3: Implement strategies to increase the rate at which MESA students are deemed transfer ready in Science, Technology, Engineering, and Mathematics (STEM) majors by at least 1.5% every academic year.

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

(Student Learning, Student Progression and Completion, Facilities, Leadership and Engagement)

Student Learning, Student Progression and Completion, Facilities, Oversight and Accountability, and Leadership and Engagement

Progress on goal achievement:

MESA director has met with 50% of the MESA program enrolled students. MESA counselor will be meeting the other 50% and it is in progress.

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

- 3.1 As a result of attending ELC meetings, the MESA Director, MESA Counselor, and Faculty sponsor will contribute knowledge to the Transfer Model Curriculum.
- 3.2 MESA students must attend mandatory meetings with the MESA Counselor or MESA Director to reevaluate student educational plan each semester.
- 3.3 Maintain close working relations with BC transfer center and transfer four-year institution as well as visit one four-year institution per academic year.

Program Goal 4: Improve the academic performance of 125 MESA students. (On-going)

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

(Student Learning, Student Progression and Completion, Facilities, Leadership and Engagement)

Student Learning, Student Progression and Completion

Progress on goal achievement:

MESA is providing STEM Academic Excellence Workshops (AEWs) and STEM specific tutoring, this is on-going throughout the academic year.

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

- 4.1 Tutoring services will also be provided in the center. The center is equipped with white boards, printers, copier, and LCD board for MESA students.
- 4.2 MESA Director will train and schedule tutoring and Academic Excellence Workshops (AEW) hours for each semester. AEWs will be offered in the center as well in gatekeeping courses.
- 4.3 Provide an academic model that supports critical thinking and a STEM learning culture for all student enrolled in the program.
- 4.4 Carry on to provide support where necessary, and make sure the correct resources are in place for academic success, and work with the MESA Counselor to ensure we have a team process for serving students as a whole.
- 4.5 Coordinate and collaborate with student services on campus by providing STEM specific information and academic resources to counselors, advisors, and faculty for student retention and course completion

Program Goal 5: Increase the leadership skills and raise educational expectations of 125 MESA students.

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

(Student Learning, Student Progression and Completion, Facilities, Leadership and Engagement)

Student Learning, Student Progression and Completion, and Leadership and Engagement

Progress on goal achievement:

MESA students will be attending the Student Leadership Conference in October, located in Los Angeles.

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

- 5.1 MESA Orientation course will be offered and required in a series of student development workshops throughout the academic year for all MESA students. Workshops will be occurring once a week for 12 weeks and will cover various student development topics.

5.2 Professional workshops will also be presented by various national professional organizations and there will be opportunities to attend national conferences. Local schools and their organizations will also be included with MESA students in STEM involvement at the community level.

5.3 MESA will continue to host the STEM & Pre-Health Conference in collaboration with a four-year institution, which will provide various resources for community members.

Program Goal 6: Strengthen relationships with educators, prospective employers in business and industry to establish student internships, scholarships and other career opportunities for at least 125 MESA students.

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

(Student Learning, Student Progression and Completion, Facilities, Leadership and Engagement)

Student Progression and Completion, Facilities, Oversight and Accountability, and Leadership and Engagement

Progress on goal achievement:

STEM professors are conducting their office hours at the STEM center. Additionally, MESA offers a mentoring program with professionals in the industry, this is in progress. MESA has established new partnership with NASA, Ames Research Center, and will continue collaboration with USDA NRCS and BLM student internships and scholarships.

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

6.1 MESA has established strong relationships with faculty and local industry. The BC-MESA board and active industry representatives include over 20 partners. MESA has also established a campus-wide network with the Director of Extended Opportunity Programs & Services (EOPS), Financial Aid, and Admissions and Record to improve the performance and outcomes of the MESA Program and grant.

6.2 MESA Director will be involved with a campus-wide council that also includes Faculty Sponsor, and representatives from the following departments: Articulation, Matriculation, Counseling, Tutorial Services, EOPS, and Financial Aid.

Program Goal 7: Continue partnerships with MESA Engineering Programs (MEP), MESA Schools Programs (MSP), California Alliance for Minority Participation, or similar programs in an effort to provide

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

(Student Learning, Student Progression and Completion, Facilities, Leadership and Engagement)

Student Progression and Completion, and Leadership and Engagement

Progress on goal achievement:

The program will continue collaboration with California State Poly Technical, San Luis Obispo and Fresno state.

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

7.1 MESA students will collaborate with MEPs across California and Multicultural Engineering Programs and STEM Programs from Cal Poly SLO & Pomona, CSU Fresno, and CSU Bakersfield. MESA has established liaison relationships with MEPs from San Jose State University and CSU Fresno.

7.2 Promote community partnerships with industry by providing a life learning experience via mentors from professionals in STEM fields.

Program Goal 8: Implement strategies to collaborate with campus programs such as Student Equity (SB 860) and Student Success and Support Act (SB1456) to leverage additional resources and opportunities for 125 MESA students, and to ensure that MESA is integrated into the campus culture and infrastructure.

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

(Student Learning, Student Progression and Completion, Facilities, Leadership and Engagement)

Student Progression and Completion, Oversight and Accountability, and Leadership and Engagement

Progress on goal achievement:

Student Equity supported MESA counselor for academic and student success implemented through the academic year.

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

8.1 MESA aligns with BC’s Student Equity Plan by identifying success indicators and by having its own Student Success Scorecard and comparing it to BC’s. Success indicators include access, course completion (retention), ESL & basic skills completion, degree & certificate completion, and transfer.

8.2 MESA Counselor will work with students in creating a student educational plan and monitor students’ progress each semester. Additional support services will be offered to MESA students as needed.

8.3 MESA will conduct a series of high school outreach presentations in classrooms catering to specific groups and attending career fairs representing the MESA program. Prior to program admission, MESA will identify students who need additional support services and refer them to such resources. Lastly, implementing semester progress report checks will allow MESA students to track their progress in their courses.

8.4 MESA will establish expectations and requirements upon admitting each student. MESA will support students in declaring a STEM degree of their interest and assist in career pathways.

B. List new or revised goals (if applicable)

Program Goal:

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

(Student Learning, Student Progression and Completion, Facilities, Leadership and Engagement)

Progress on goal achievement:

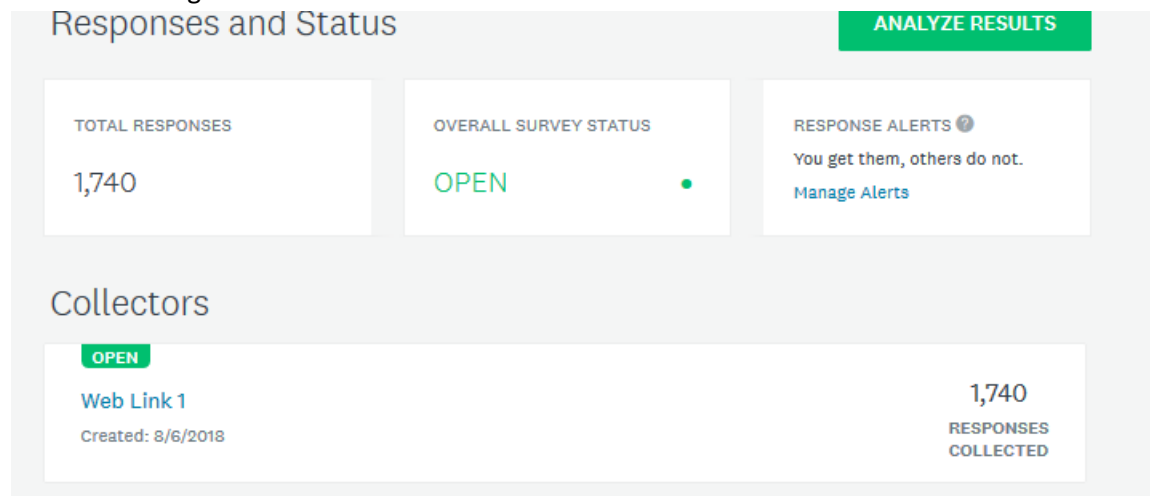
Status Update – Action Plan and link to Resource Requests:

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). Please report on any unexpected changes or challenges that your program encountered this cycle:

1. How does your trend data (or other data your area collects) impact your decision making process for your program?

MESA student performance data is pending from Institutional Research; the center has served over 1,700 students over the course of 4 weeks. These students average between two to four hours.



2. Evidence of Program 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.

Once data is obtained from IR, meeting will be conducted with MESA staff and MESA board.

3. Were there any changes to student demographics (age, gender, or ethnicity) for the past cycle?

Waiting on IR for data.

4. 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](#).

The equity gaps between top performing groups and others are attributed to access to resources and exposure to opportunities. Changes could be made to close these gaps by:

1. Establishing exclusive study space
2. Additional support resources (staff members & tutors)
3. More faculty support/involvement within the study spaces (i.e. STEM center)

5. Please describe any recent achievements of members of your area who have won awards or distinctions, new projects your area has implemented, professional development work, professional conference presentations or recently published work.

MESA program received the "Certificate of Appreciation" from the Beautiful Bakersfield, Greater Bakersfield Chamber of Commerce.

MESA attended the Hispanic Association of Colleges and Universities (HACU) conference

Currently facilitating AEWs (Academic Excellence Workshops) with STEM professionals, as opposed to student facilitators.

Eisenhower Transportation Fellowship Grant Awarded to Bakersfield College \$40,000 for possible fellowships up to 8 students.

6. 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.

MESA is a STEM guided pathway program that is consider to be an affinity group for students pursuing STEM majors that come from low socioeconomic backgrounds.

7. Explain your role if you are involved in Dual Enrollment, Inmate Education, or Rural Initiatives.

Assessment Report - Annual Update

A. List your Administrative Unit Outcomes (AUOs)

a. Increase participation in academic support services, including Supplemental Instruction.

B. How did your outcomes results inform your program planning?

a. MESA students have above a 90% retention and 77% success rate in courses

C. How do the Administrative Unit Outcomes align with Institutional Learning Outcomes?

a. MESA has a commitment to provide a wholesome education that develops critical thinking and empowered learners, which aligns with institutional learning outcomes. MESA does this by offering Academic Excellence Workshops, and tutoring for STEM courses.

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: The center has been impacted in the sense that an additional influx of Non-STEM and Non-MESA students have displaced current or potential MESA/STEM students. The program is unable to offer exclusivity in regards to center space and resources since the center is a shared space and thus open to everyone on campus, therefore limiting our program effectiveness.

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 _____

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.

MESA values student success, priorities equity, and advocates for diversity in all areas of STEM. Under-represented and low-income students have the opportunity to reach their full potential with the aid of tutoring services, mentorship, scholarship opportunities, summer internships, and research position opportunities, all due to the established relationships and collaborations the MESA program has created in the community as well across the state of California. MESA strives for every student to be successful and be transfer-ready in a reasonable amount of time as well as have them be competitive for transfer admission in the STEM guided pathways.

Because of this great success, more students are requesting the support services of the program and there is a need for the institution, Bakersfield College, to support/supply these additional services and resources beyond the grant's capability and scope. Our students request exclusive space allocation, technology, academic support services, student support services, and pathways and personal advising. However, because of MESA's limited resources, such as staffing, and a shared space of the center, our students are displaced and less likely to persist or take advantage of the opportunities provided in the center.

