2022-2023 Work Plan – Sara Sullivan, Program Manager STEM Student Success

This work plan is aligned with Bakersfield College’s 2022-23 SCFF targets and strategic tactics.

SCFF Targets

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SCFF Tactic A: New Student Outreach & Yield

A.2. High School Outreach: *High School Students*

1. Participate in community based and college-based events that promote Bakersfield College STEM Pathway to Kern High School District students.
I. Provide STEM Pathway material and resources to be distributed at outreach events.
II. Maintain BC STEM social media accounts with current events for the community.
2. Plan and facilitate hosting 100 high school girls at the Introduce a Girl to Engineering Day at Bakersfield College with MESA and Industry Partners to promote BC’s engineering AS degree.
   I. Coordinate for female faculty and STEM support staff to help facilitate the event and promote women in STEM at BC.

A.8. Kern Economic Development STEMposium: STEM & Relevant CTE Pathway Participation
   1. Register to participate in the KEDF’s STEMposium event with a BC STEM table that provides elementary through high school students with information about the STEM Pathway.
   2. Promote the BC STEM Pathway by networking with educational and industry groups at the event.
      I. Seek information about internship opportunities for STEM students through community and industry partners.

A.9. High School STEM & MESA Clubs: Student Engagement and Strategic Recruitment
   1. Coordinate visits with STEM Faculty to various Kern High School District High Schools and promote the BC STEM Pathway, MESA program, and STEM Student Resources.
   2. Assist the MESA Director to establish a relationship with the new Del Oro High School and help initiate their MESA program.

A.19. Program Mapper Enhancement: Build Your Own Adventure
   1. Support Step Up to STEM Program Director, James McGarrah and Craig Hayward in developing alternative program mappers that are longer than the established two-year programs.

SCFF Tactic C: PERSISTENCE AND RETENTION

C.4. Bridge to BC - Summer: Bootcamp Initiative - Connect Students with Resources, Supports and Programs Best Aligned with their Goals and Needs
   1. Work with Bridge to BC Leadership to promote and enroll incoming STEM students into the Step Up to STEM Academy.

C.6. Summer Events: Step Up to STEM Academy
   1. Plan and coordinate with STEM counseling, faculty, and administration the curriculum, programs, and guest presentations for the Step Up to STEM Academy.
      I. Recircuit Math faculty to develop and teach two days of math foundational skills at the STEM Academy.
      II. Recircuit and collaborate with STEM faculty to lead presentations that promote student success at BC.
   2. Collaborate with the Office of Institutional Effectiveness to target incoming STEM Students to enroll in the Step Up to STEM Academy that meet the math criteria.
      I. Develop a roster of incoming students who have declared a STEM major and who are entering BC at the pre-calculus level to invite them to participate in the STEM Academy to help build math foundational skills that will improve student success.
   3. Plan and coordinate the Step Up to STEM Academy Celebration night where students who complete the academy bring their support system to BC to meet faculty, counselors, and administration.
I. Promote this event to Bakersfield College Administration, KCCD administration, industry partners, and STEM Faculty.

C.13. Area Meet and Greet: Students will Meet their Pathway Dean, Chair, Faculty, and Student Support Services Staff
1. Coordinate and schedule STEM Pathway Deans, Department Chairs, Faculty, MESA Director, STEM Support Staff, and Counseling to attend the Step Up to STEM Academy or Celebration Night.

C.19. Canvas for Pathway: Specific Weekly Student Messaging
1. Collaborate with Step Up to STEM Program Director, James McGarrah to facilitate the STEM Community Completion Coaching Team to design targeted weekly canvas messaging for students about student success, campus events, and experiential learning opportunities.
   i. Recirculate a STEM Pathway Ambassador from each department to disseminate the messaging to all STEM pathway students.
2. Communicate the results of Ocelot and social media campaigns for student events and weekly messaging to the STEM Community Completion Coaching Team.

C.20. Implement Milestone Check-in Days: Coordinated Efforts Between Instruction and Student Services
1. Work with STEM Counseling team Laurel Mourtzanos and Jesus Oropeza and educational advisors Jonathan Kim and Joshua Shackelford to promote milestone check-in days via Ocelot messaging campaigns, social media, and the STEM pathway canvas page.

C.30. Create Canvas Hub for Student Supports: Add Resources, Lessons, and Links to Instructional and Student Services Support Programs
1. Through the STEM Community Completion Coaching Team, promote resources and student support programs to enhance student success such as links to Student Study Group Leaders, a peer-based tutoring program, schedules.

C.32. Expand Work-based Learning Opportunities: Offer Across the Pathway Rather than Only a Capstone Experience
1. Provide leadership and oversight to the development and coordination of the CV PATH Research Program, Central Valley Pathways into Academic, Teaching and Higher Education, with CSUB and UC Merced to provide STEM and Social Science paid summer research opportunities to BC students.

C.40. Update Finish in Four Agreements: MOU, Program Maps, and Registration 365 Model
1. Assist James McGarrah with task related to improving Program Maps for the STEM Pathway.

SCFF Tactic D: RE-ENROLLMENT

D.8. Develop a Peer Mentoring Program: Support Persistence and Retention
1. Promote student success and academic support through the Student Study Group Leaders (SSGL) program.
2. Supervise student employment of the SSGL program

SCFF Tactic G: DEGREE COMPLETION WITH TRANSFER FOCUS

G.14. Pathway Completion Coaching Teams: Structures Processes and Goals
1. Participate in bi-weekly meetings with Stephen Waller and Laura Larkin, Connie Gonzalez, and James McGarrah focused on STEM pathway goals.
G.16. Two-Year Transfer Timeline: All Pathways
1. Assist James McGarrah and STEM deans in evaluating the two-year transfer timeline.
2. Maintain and promote academic student success resources for students.

G.17. Transfer Talks: Awareness Campaigns
1. Collaborate with STEM Counselor Laurel Mourtzanos to facilitate and promote transfer workshops and presentations by universities for STEM Pathway students via social media and ocelot messaging campaigns.

SCFF Tactic H: DIVERSIFIED HIRING

H.6. CV Pathways in Academics, Teaching, and Higher Education (CV PATH): Faculty recruitment partnership with CSUB and UC Merced
1. Collaborate with CSUB and UC Merced to develop and establish the CV PATH network for incoming faculty recruitment.

H.8. Website Re-design: Engaging and friendly
1. Coordinate with web service team to update the BC STEM and individual departments web pages to include current contacts information for faculty and administration, and academic support staff.
   i. Update BC on-line directory to have current contact information for all the STEM pathway members.