BC Strategic Direction 1: Student learning

1) Increase available online/hybrid course options.
   
a. By Spring of 2018, work with the Biology, Physics/Astronomy, and Geology faculty to have at least one hybrid section of the general education courses in the schedule for each of these. Accomplished: Added new courses online for Geology (Fall 2017), Astronomy (Spring 2018) and Physics (Summer 2018).

b. By Spring of 2018, work with the Math Faculty to add more sections of 100% online math courses, especially those in pre-calculus, where this modality has been lacking. Accomplished: For Fall 2017, only one section of MATH B22 was offered online. An attempt to also offer MATH B6A (Calculus I) in Fall 2017 had to be cancelled when only 2 students registered. In Spring 2018, five sections of MATH B22 were scheduled online, and one was cancelled due to low enrollment. A section of MATH B1A (Pre-Calculus I) was added to the schedule, and that section had 52 students registered at census.

c. By Spring of 2018, work with Erica Menchaca to run a new 50% hybrid section of ACDV B72. Accomplished: This hybrid section of ACDV B72 was added to the Fall 2017 schedule as a late start section and ran successfully.

2) Increase the number of math and science sections off the Panorama campus to reduce waitlists and provide new options for students around Kern County. Accomplished: Added Physics (PHYS B2A) for the first time at the Delano campus and added more sections of Chemistry. Ran more math courses at Arvin and BC Southwest. Hired a new Geology adjunct to teach a science for the 1st time in a prison in Spring 2018, and hired a new fulltime math faculty member who is being scheduled to teach in prisons in Fall 2018.

3) Increase the number of adjunct faculty by at least 12 from Summer 2017 through Spring 2018. Accomplished: 14 total new adjuncts hired. At the time this goal was set, the Academic Development department was part of my area. Prior to September 2017, 5 new ACDV adjunct faculty were hired and started Fall 2017. Three new Biology adjuncts were hired and started during the year. An additional 3 new Biology adjuncts were interviewed and will start in Fall 2019. Math added a new Adjunct to teach 100% online and had a previous adjunct return after leaving the College to work at Wonderful Academy. The Math department hired an additional adjunct who was immediately converted to a temporary fulltime faculty member to help serve more students and Wonderful Academy. Physical Sciences added 4 new adjunct faculty in Geology and Geography, and the Chemistry adjunct immediately was converted to temporary fulltime to assist with courses at Wonderful Academy. Two additional Chemistry adjunct faculty were interviewed to start in Fall 2019.
4) Expand and re-organize the “Extending the Classroom, ETC” initiative to include MATH B65. 
Accomplished: Extending the Classroom for Math was relocated into the MS building, and all 
students needing help with MATH B22 or lower were encouraged to go there for help. Math 
faculty came to the room to assist the math tutors.

5) Create contextualization of Mathematics through a national outreach effort. This will involve 
development of a grant proposal to potentially fund website coordination and communications. 
In Progress: A grant proposal to contextualize the Calculus sequence was started in February 
2018. This will be completed and submitted in October 2018. Outside of my area, I assisted with 
information to restart TECM B52 Technical Math.

BC Strategic Direction 2: Student progression and completion

1) Expand and align MATH B65 to meet non-transfer general education requirements by the end of 
the 2017-18 academic year.  
Not Completed: Meetings were held with key Math faculty and others interested in seeing that 
this course is aligned with the College’s general education requirements for local degrees. 
Discussions did not convince the faculty to change MATH B65 nor consider it as a degree 
applicable.

2) Develop a new 12th grade math course for placement into MATH B22 and PSYC B5 by Fall 2017. 
In Progress: Meetings were held with KHSD where this was discussed. Issues arose with algebra 
requirements and then pending dramatic changes to placement with AB 705. A new effort is 
being organized to develop a broader effort across KHSD to prepare all students to be placed 
into a transfer-level math course following AB 705 requirements.

3) To encourage student completions, a new NSF S-STEM grant proposal will be submitted to 
replace the expiring A-PLUS Scholars grant. This will be submitted in March 2018. 
Accomplished: This was submitted as scheduled and is awaiting a response from the NSF.

4) Detail the transferability of the Chemistry AS-T and Chemistry courses to CSUB and other 
California universities, and address any inconsistencies in this area. 
In Progress: Some positive work was done to have a tentative agreement with the BC Chemistry 
faculty and the Chemistry department chair from CSUB. This has changed the view from conflict 
to more cooperation, and another meeting is being arranged to finalize something reasonable to 
allow BC Chemistry AS-T students to transfer into a non-traditional BS Chemistry program at 
CSUB. Worked in WARBA group to detail curriculum plans for other areas of Sciences and 
Mathematics, and presented these at a State CAPP meeting.

5) Other accomplishments

   New CHEM B10 3-unit chemistry course approved
   New Environmental Science AS-T approved
BC Strategic Goal 3: Facilities and Technology

1) Develop final plans for the 1st phase of a new Science, Engineering, and Math building using Measure J funding.
   In Progress: Science faculty toured two new science buildings at other schools to develop ideas for a new design and function of science labs at BC. AECOM used that to lay out initial square footage needs and basic requirements for spaces in a new SE building. Finalization of plans are on hold until the District decides on one or more architects for this project.

2) Ensure appropriate organization of science laboratory support.
   Accomplished: Regular organizational meetings were held with laboratory staff, and these included faculty as needed. An additional lab tech for Biology was hired and on-boarded.

3) Review and update the Priority Room Scheduling processes with a faculty task force during the Fall 2017 semester.
   Not Completed: This task force was trying to resolve issues that needed input from a broader administration representation. Some issues were worked out to find rooms for Health and Physical Education, but a holistic process was not finalized.

BC Strategic Direction 4: Oversight & Accountability

1) By January 2018, develop a budget model that represents the cost per FTES for each science and math course based on non-instructional resources needed. Estimate the needs and impact of new equipment and new sections on the cost per FTES.
   Not Completed: Conversations were had with the science faculty chairs, but the data needed for this was not yet collected.

2) Participate on the Accreditation Self-study as co-lead for the Standard II.B Team throughout the 2017-18 year.
   Completed: Additional re-writing of Standard II.A.15 was done.

3) Other
   Worked on AB 705 compliance issues. Attended state meetings and worked with math faculty.