



2018-19 Annual Program Update

Program Overview

Please verify the mission statement for your program. If there is no mission statement listed, please add it here.

The Division of Math and Sciences educates and supports students in realizing their certificate, degree and transfer goals in anthropology, biology, biomanufacturing, chemistry, computer information systems, geography, math and physics.

List your Faculty and/or Staff

Dean of Math and Sciences Denise Richardson, Staff Assistant Mayra Arevalo-Agyapong, Instructional Assistant Ronald Asseko, Instructional Assistant Michel Edibe, Instructional Assistant Maribel Marquina De Bazan, Instructional Assistant Pamela Crumpton, Computer Network Technician Terrence Fisher, Math Department Chair David Ross, Chemistry Department Chair Stephen Corlett, Anthropology Department Chair Donald Moore, Geography Department Chair Mark Rauzon, CIS Department Chair Kim Bridges, Biology Department Chairs: Rajeev Banerjee, Laurie Allen-Requa, Leslie Blackie, Amy Bohorquez, Rebecca Bailey, Doug Bruce. 70+ full-time and part-time faculty.

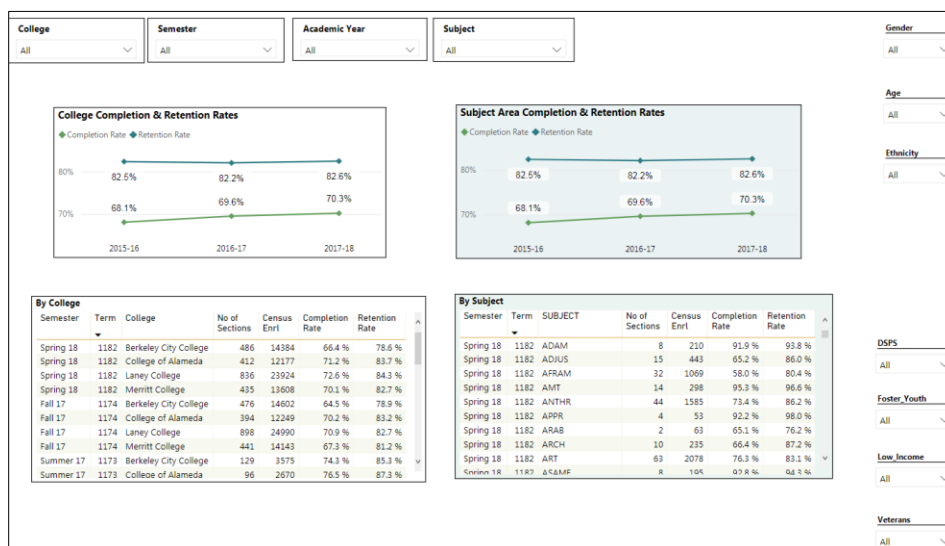
The Program Goals below are from your most recent Program Review or APU. If none are listed, please add your most recent program goals. Then, indicate the status of this goal, and which College and District goal your program goal aligns to. If your goal has been completed, please answer the follow up question regarding how you measured the achievement of this goal.

1. Transfer degrees in all of the Division disciplines – There are transfer degrees in all disciplines except chemistry and biology. There are unit barriers to creating these degrees due to the high course units within these programs./College Goal #3 – Offer students the highest quality curriculum and services
2. 2-year pathways for all degrees and certificates- biology and chemistry have collaborated to create 2-year pathways. CIS and Math have created 2-year pathways and anthropology and geography are developing 2-year pathways which will be completed by spring 2019./College Goal #3, College Goal #2-Promote a collaborative institutional culture for communication, governance and decision-making./ Goal #4 – Cultivate a culture of belonging, pride and self-reflection for continuous improvement.
3. STEM Building – A STEM building will be built using bond funding./Goal #4
4. Embedded tutoring in all disciplines./Goal #4
5. Increase the number of Black and Latino students that complete STEM degree/certificate programs by 10%/Goal #5 – Increase awareness and access to disproportionately impacted communities, Goal #1 – Promote Equity, Goal #3

Describe your current utilization of facilities, including labs and other space

The disciplines within the Division of Math and Sciences are maximizing their use of the facilities, including lecture classrooms and science labs, offering classes all during the week, from morning through the evening. Currently, chemistry and biology are sharing some lab spaces, further maximizing use of those facilities. In fall 2019, significantly more classes will be offered in the evening and on Saturdays to promote equity by accommodating a larger, more diverse population of students. This expansion is intensifying the demand for more lab and classroom space. The much needed and anticipated STEM building will remedy these long-term facilities deficiencies, and will enable the College to update classroom and lab equipment to better support the need to keep pace with a curriculum that is increasingly enhanced by the use of technology.

Program Update



Program Update Power BI dashboard

Using the dashboard, review and reflect upon the data for your program. Describe any significant changes and discuss what the changes mean to your program. Consider whether performance gaps exist for disproportionality impacted students. Focus upon the most recent year and/or the years since your last comprehensive program review. Cite data points from the dashboard to support your answer.

The productivity data for the Division of Math and Science is the highest in the College. The average productivity for fall 2018 was 18.9.

Describe the department's progress on Student Learning Outcomes (SLOs) and/or Administrative Unit Outcomes (AUOs) since the last Program Review/APU. If your discipline offers a degree or certificate, please describe the department progress on Program Learning Outcomes (PLOs).

The Division of Math and Sciences has a long-term track record of having up-to-date assessments of SLOs and PLOs. All disciplines are on schedule with their assessments.

Describe the outcomes and accomplishments from previous year's funded resource allocation request.

Brief description of funded request	Source (any additional award outside your base allocation)	Total Award Amount	Outcome/Accomplishment
N/A			
N/A			
N/A			

N/A			
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Prioritized Resource Requests Summary

In the boxes below, please add resource requests for your program. If there are no resource requested, leave the boxes blank.

Resource Category	Description/Justification	Estimated Annual Salary Costs	Estimated Annual Benefits Costs	Total Estimated Cost
Personnel: Classified Staff	Part-time Instructional Assistant – Tech Center/ This is a critically needed position. Currently there is only one IA assigned to the Tech Center. He has student workers, but they require supervision. Since he can only work for 8 hours of the 13 hours of operation the Tech Center must get staffing			

	<p>assistance from the IT team, which interferes with their ability to serve the campus as they are already greatly understaffed.</p> <p>Full-time Instructional Assistant – Tutoring Resource Center (TRC) and Embedded Tutoring/The TRC was previously staffed by an hourly classified employee who ran out of hours. Since we are without supervision for the tutors we had to close the physical space where the TRC had been housed for the last few years, significantly reduce the number of tutors, and assign them to the College science labs.</p>			
Personnel: Student Worker	N/A			
Personnel: Part Time Faculty				
Personnel: Full Time Faculty	<p>Full-time CIS Instructor</p> <p>Full-time CHEM Instructor</p> <p>Full-time Math Instructor</p>			

Resource Category	Description/Justification	Total Estimated Cost
Professional Development: Department wide PD needed	Canvas training and orientation for new instructors	3,000

Professional Development: Personal/Individual PD needed	Professional development budget for classified employees	5,000

Prioritized Resource Requests Summary - Continued

Resource Category	Description/Justification	Total Estimated Cost
Supplies: Software		
Supplies: Books, Magazines, and/or Periodicals		
Supplies: Instructional Supplies		
Supplies: Non-Instructional Supplies		
Supplies: Library Collections		

Resource Category	Description/Justification	Total Estimated Cost
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Technology & Equipment: New		
Technology & Equipment: Replacement		

Prioritized Resource Requests Summary - Continued

Resource Category	Description/Justification	Total Estimated Cost
Facilities: Classrooms		
Facilities: Offices		
Facilities: Labs		
Facilities: Other	STEM Building	

Resource Category	Description/Justification	Total Estimated Cost
Library: Library materials		
Library: Library collections		

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Resource Category	Description/Justification	Total Estimated Cost
OTHER		