

Ancillary Unit Annual Review
Reporting Period: 7/1/2021-6/30/2

Deadline for submission to Reporting Administrator: October 30

**This report is required by FAM 105.4 – POLICY GUIDELINES FOR THE FORMATION
AND REVIEW OF CSUSB ANCILLARY UNITS**

Basic Information

Ancillary Unit's name	Center for Enhancement of Mathematics Education
Director(s)	Kelli Wasserman, Department of Mathematics
Administrator to whom the unit reports ("Reporting Administrator")	Dr. Sastry G. Pantula, Dean, College of Natural Sciences
Purpose and goals of the Ancillary Unit (from the original proposal or updated operating documents)	CEME's mission is to meet the challenges of high dropout rates, low academic achievement in mathematics, and under-credentialed mathematics teachers by addressing the continuum of mathematics education from kindergarten through college. Its primary focus is to develop and enhance strong content knowledge and pedagogical skills among preservice and inservice teachers. The ultimate goal is to improve

Advisory Board

Please list your current Advisory Board, their positions outside the Advisory Board, and their roles on the Advisory Board (if applicable)	<p>Kelli Wasserman Director, Mathematics Faculty Jeremy Aikin Co-Director, Associate Professor of Mathematics Tawney Hall Program Supervisor, CEME Madeleine Jetter Former Director, Mathematics Department Chair Dalton Marsh Faculty Advisor, Associate Professor of Mathematics Steve Balady Faculty Advisor, Associate Professor of Mathematics Carol Cronk Coordinator, Math & Science Program VVUHSD Lela Spearsharper Program Specialist - Lead Teacher and Mentor, Teacher Induction Program, SBCUSD Xinying Yin Associate Professor, College of Education Shawnee McMurrin Professor, Mathematics Department Corrine Johnson Associate Professor, Mathematics Department David Polcyn Emeritus Professor, Biology Department</p>
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Ancillary Unit Activity

Please summarize the top three (3) accomplishments of your Ancillary Unit (AU) during this reporting period. This should highlight the substantive activities that support and advance the purpose/goals of the AU, and the relationship between the activities and the purpose/goals.

Please highlight the most significant activities of the AU that engage the community or other entities on campus, if any.

Substantive Activities undertaken by the AU during reporting period

Activity (please describe)	Funds spent	Goal advanced (and extent)
<p>Noyce Scholars in Mathematics and Science Phase III: Emphasis on building mathematical content knowledge and pedagogy in pre-service math and science teachers. Scholars are CSUSB math and science</p>	<p>\$111,700</p>	<p>Advancing Goal 4, the academic year 2021-2022 was the fourth year in this 5-year \$1.2 million NSF grant. We have exceeded our overall recruitment goal, as we have had 34 math and science majors participating in the Noyce</p>
<p>Victor Valley Math and Teaching Scholars (VV-MATHS): Emphasis on building mathematical content knowledge and pedagogy in pre-service math teachers. Scholars are CSUSB math and liberal studies majors focused on a career in</p>	<p>\$107,719</p>	<p>Advancing Goal 4, the academic year 2020-2021 was the first year in attempting to replicate the Noyce Scholars program and develop a partnership in a new district in our region. Four scholars began in Fall 2021, and</p>
<p>CEME entered into two contracts with Redlands USD to provide mathematics professional development for a cohort of 4th-5th grade teachers, and a cohort of 6th grade teachers. Each cohort participated in 7 days of grade level math content that supported teachers in deepening their</p>	<p>\$22,475</p>	<p>Advancing Strategic Plan Goal 4, 3 facilitators worked closely with the district to address the specific needs of their students. District administrators communicated the specific needs based on their district data, which included fraction</p>

Describe planned activities for the current academic year and how each of them will advance the purpose/goals of the AU.

Planned Activity	Connection to Purpose
<p>The Inland Counties Mathematics Project will continue to plan and implement professional development institutes; develop partnerships with schools, districts, and counties; and support the use of innovative pedagogy and mathematics curriculum for K-12 schools. We are looking to expand</p>	<p>These activities are connected to developing and/or enhancing strong content knowledge and pedagogical skills among inservice teachers and supports Strategic Plan Goal 3.</p>
<p>The NSF-funded (\$1.2 million) Math and Science Scholars for the Inland Empire program will continue working with Noyce Scholars and mentor teachers: offering virtual monthly seminars on teaching for Scholars and Mentor teachers as well as ongoing mentoring</p>	<p>The Noyce program is an example of a lasting partnership with SBCUSD and contributes to Strategic Plan Goals 1 and 4.</p>
<p>MSTI-TRP projects: MSTI-TRP funds are meant to support increased numbers of credentialed teachers in mathematics and science. Some of these funds will continue to be used to support the Mathematics Peer Tutoring Center (also known as Math Gym) in which upper</p>	<p>Activities supported by MSTI-TRP funds are connected to addressing the need for highly qualified teachers in our region and contributes to Strategic Plan Goals 1 and 4.</p>
<p>The Inland Empire Math Teachers' Circle was able to return to hosting our monthly Dinner and a Math Problem workshops on campus in September 2021. While attendance was low during the first couple of events, we are steadily gaining momentum. Additionally, the College of</p>	<p>These events are intended to provide networking opportunities for CSUSB students and local educators, while engaging in professional development, and contributes to Strategic Plan Goals 1 and 4.</p>

Complete the Annual Use of Funds form

	Year 1		Year 2		Year 3	
	Internal	External	Internal	External	Internal	External
Salaries	\$ 4,859	\$ 223,2	\$	\$	\$	\$
Assigned Time	\$ 0	\$ 18,700	\$	\$	\$	\$
Travel	\$ 384	\$ 12081	\$	\$	\$	\$
Supplies	\$ (44)	\$ 13326	\$	\$	\$	\$
Contractual	\$ 0	\$ 36591	\$	\$	\$	\$
Other*	\$ (10995)	\$ 245126	\$	\$	\$	\$
TOTAL	\$ (6141)	\$ 500393	\$	\$	\$	\$

***Other can include items such as: External Contracts, Grants, Sponsorships, Marketing and Outreach, Communications, Data Processing, Facilitates Operation, Printing, Postage**

Certification

Kelli Wasserman

Director Name

Co-Director Name

Co-Director Name


Kelli Wasserman (Oct 30, 2022 19:06 PDT)

Director Signature

Co-Director Signature

Co-Director Signature

Unit Reporting Person recommendation

Name and title: Sastry G. Pantula

Recommendation:	Active
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Recommendations and comments including the criteria and data reviewed. Please attach additional page(s) as necessary.

CEME is making a good progress toward their goals and has been very active. Keep up the excellent work.

Sastry G. Pantula

Nov 5, 2022

Unit Reporting Person Signature

Date