

CSU SAN MARCOS

BUILDING AN EFFECTIVE ECOSYSTEM FOR EQUITY IN STEM CAREERS

US Dept. of Education (Title III) Grant #P031C210138



OVERVIEW

The HSI-STEM Building an Effective Ecosystem for Equity in STEM Careers project is a five-year \$5.0 million dollar federally funded effort to increase the success and degree attainment of hispanic and underserved students by creating an "EcosySTEM for Success". This EcosySTEM will be designed to close the achievement gap and create clear pathways to high-paying and high-demand careers in the STEM fields.

GOALS

1. Pathway Development

- a. Using the Guided Pathways model, develop and/or scale activities and practices that promote student persistence in STEM majors with a focus on equity and inclusivity.

2. Work-Based Learning

- a. Expand Undergraduate Research Experiences (URE) and STEM work-based learning (WBL) opportunities and ensure equitable access for Hispanic and other underrepresented students.

3. Institutional and Industry Partnerships

- a. Leverage and scale accessibility of academic and careers.

SERVICES

Faculty Pathway Leads

- One of the major goals of the current project is to expand the "ecosystem" to all STEM students to increase the number of Hispanic and/or low-income students attaining STEM degrees.

LA Program

- The LA program supports active learning in math courses from STEM majors and provides math and science majors with a structured introduction to teaching.

!Yo Soy STEM!

- Yo Soy STEM aims to celebrate the diversity of STEM majors by creating a campaign that inspires, informs, and enriches the college community and region.

Outreach & Partnerships

- Center for Research and Engagement in STEM Education
- Latin@/x Center
- STEM Pathways Student Advisory Council
- Encuentros Engineering and Computer Science Academy
- Office of Recruitment & Outreach and CSTEM Dean's Office
- New Student and Family Programs and CSTEM Dean's Office

Project Lead: Dr. Suzanne Hizer
Website Link: [Click Here](#)

CSU CHANCELLOR'S OFFICE

THINK TANK (HUB)

US Dept. of Education Title (III) HSI Grants



OVERVIEW

The Think Tank (Hub) is a centralized hub for dissemination of best practices for CSU-funded United States Department of Education (DE) HSI-STEM Articulation Program projects, based on the CSU Office of the Chancellor STEM-NET consortium to broker ideas, stimulate debate, and offer creative yet practical solutions to tackle the most pressing problems in STEM Education. STEM-NET is a multi-campus collaborative (consortium), working with all 23 CSU Campuses and in all areas of STEM research and education, and will coordinate these efforts.

GOALS

1. To facilitate the spread of knowledge and associated evidence-based interventions on a wide-scale across the CSU system.
2. To distribute information and intervention materials to targeted audience(s).
3. To enable access of best practices to decision makers in the CSU.
4. To transform scientific evidence for its use in practice.

CSU PARTNERS

Institutional Partners

1. CSU Fullerton
2. Stanislaus State
3. Sacramento State
4. CSU San Bernardino
5. CSU San Marcos
6. Cal Poly Pomona
7. CSU Bakersfield
8. SDSU (Pending Approval)
9. CSU Channel Islands (Pending Approval)

BENEFITS OF HUB

1. Partnerships and networking across the CSU's
2. Dissemination of best practices for CSU-funded ED HSI-STEM Articulation Program projects.
3. Hub leads serve as liaisons to the ED and serve as conduit for information and preparedness for these grants.
4. Increased support with institutionalization, funding (resources), and best practices, to increase STEM student success.