



STEM OPERATION SUCCESS

STEM Operation Success (SOS) Strategic Plan Data 2023

STEM Operation Success (SOS) is funded by the Department of Education HSI Title V program. This project is a seamless pipeline to increase the number of Hispanic, first-generation, low-income, and underrepresented STEM students, including Nursing, Health Sciences, and Kinesiology majors who will graduate within their discipline.

Objectives in Islander Impact Strategic Plan 2030 that relate to SOS

- Increase the enrollment, retention, and graduation of the student population
- Develop, implement, and continuously review a comprehensive student success plan
- Create vibrant student experiences that support professional development, engaged citizenship, and well-being (physical, social, emotional, financial)
- Integrate community and belonging into all facets of university culture
- Positively impact workforce, economic, and social development across the Coastal Bend

SOS Major Objectives

Component One-Collegiate STEM Institute (CSI)

- 60 students, especially high-need students, will participate in CSI per summer.
Outcome: 100% Participation
- 65% of CSI participants enroll in non-remedial STEM courses during their first fall semester at TAMUCC.
Outcome: 73.3% Exceeded
- 90% of CSI participants will show gains in iGRAD financial literacy modules.
Outcome: 95.6% Exceeded

Component Two-Spanish Speaking Family Engagement (FE)

- Provide at least one on-campus and/or community Spanish language PFE activity for families each fall and spring semester.
Outcome: 7 Exceeded
- 85% of FE participants will show gains in PFE knowledge & skills, as shown by score gains from the PFE pre-test to post-test (immediately after PFE family boot camp)
Outcome: 86% Exceeded

Component Three-Resources and Development

- 75% of TAMUCC undergraduates enrolled in PFE-infused courses taught by faculty will show gains in PFE knowledge & skills.
Outcome: 95% Exceeded

Contact for data analysis information:

Patricia Spaniol-Mathews, Ph.D.

Director Title V STEM Operation Success Program &

Personal Financial Education/Success iGRAD Project

Texas A&M University-Corpus Christi Phone: 361 825 3163 Email: patricia.spaniol-mathews@tamucc.edu