Program-Title Mathematics Engineering Science Achievement STEM Inventory

Org-Type Higher-Education-based

Lead University of California PoC Juanita Muniz-Torres

PoC-Phone 510-987-9381 PoC-Email juanita.muniz-torres@ucop.edu

Address 300 Lakeside Drive, 7th Floor, Oakland, CA, 94612

URL

Service-Region All California

Type Student Program

Subjects General Science | Math | Engineering

Level Elementary School (K-5th grade) | Middle School (5-8th grade) | High School (9-12th grade)

Other-Objectives

Served-per-Year Demographics

Content

MESA enables educationally disadvantaged students to prepare for and graduate from a four-year college or university with a math-based degree in areas such as engineering, the sciences, computer science, and mathematics. There are three programs that MESA offers, the first is the MESA Schools Program. This program is for students in middle and high schools (and some elementary schools). I serves to assist students in excelling in math and science and to be competitively eligible for most rigorous collegs and universities. The second program is the MESA Community College Program, this program helps community college students excel academiccally and transfer to four-year institution. It also aims to excel students in the fields of math, engineering and science. Through this program students learn firsthand about career options and learn about scholarships, internships, and special programs. The MESA Engineering Program is the third program that is offered, targeting university students enrolled in colleges of engineering so they will successfully attain their baccalaureates. The program offers a wide array of academic support as well as exposure to different careers available to engineering and computer science graduates.

Entry# 23

Outcomes

MESA has particular interest in and focus on students from those groups who historically have had the lowest levels of attainment to four-year and graduate level programs. By closing this achievement gap, MESA students and graduates will be better able to make significant contributions to the socioeconomic well-being of their families and their communities.

Started Funded-Through

Length

Primary-Funding Government Primary-\$

Materials

Other-Funding The program is funded by the state legislature, corporate contributions and grants.

How-Assessed

Best-Practice-Why

MESA has received national recognition for its success. MESA has been named as one of the most innovative public programs in the country by Innovations in American Government, a project of the Kennedy School of Government at Harvard University and the Ford Foundation. MESA is a winner of the Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring. MESA is the largest consortium of programs to receive National Science Foundation scholarships earmarked to support community college students who transfer to four-year institutions.

Promising-Practice

Sponsor-Phone Sponsor-Email

Other-Orgs

California State University California Community Colleges Independent colleges and universities California Department of Education Community-based education centers School districts and individual schools