



HSI STEM

STEM E³: EQUITY, EXCELLENCE, AND ÉXITO

Grant Recap and Serving On

1 MESA.
MISSION.



SAN DIEGO MESA COLLEGE



OUR IMPACT (Year 1 – 4)



54%

Increase in target-population STEM enrollment growth

Year 1: 1,009
Year 4: 1,555



1,719

Peer Mentoring Participants

Across four years
(Year 4: 512)



2,903

Successful STEM gateway course outcomes

Across four years



411

Hispanic STEM associate degrees reported

Across four years
(Year 4: 109)



75

New faculty/staff trained

Cumulative total across four years



71.7

Average accumulated units for Hispanic STEM AA earners

17.4% reduction from baseline
(86.8 → 71.7)

WHAT WE BUILT TOGETHER

~~“Possibly wrong,”~~ DEFINITELY incomplete”



FREE ONLINE HOMEWORK

- Chem 152, Bio 210A/B, Phy 19
- \$65/student
- 14 sections, 48 students save \$43,000 per semester



PATH TO STEM SUCCESS

- Mesa CRUISE Orientation
- Redesigned Curriculum
- Peer Mentoring
- Engaging Workshops
- Accessible HW
- Graduation!



STEM CENTER CULTURE

- 2,000+ students
- 12,000 visits
- 17,800 hours of engagement
- Tutoring, mentoring, counseling, and academic support



UPGRADED STUDIO CLASSROOMS

- Physics
- Mathematics
- Biology
- Chemistry



PARTNERSHIPS & BROADER IMPACT

- Collaborations across campus
- Partnerships across San Diego
 - TreoBytes
 - UCSD
 - SDSU
 - SWE
 - and more!

Your HSI Toolkit



Take care of yourselves



Promote the Chicana/o studies courses and other HSI-friendly courses



Refer to our website, Join our STEM Canvas Shells



Get involved with ALMA and participate in HSI campus/community events

SAN DIEGO

HSI

Aarooran Thiyagarajah • Adriana Caetano Fournier • Aidan Seban
Alexander Lehman • Alexis Pellegrin • Allison Damose • Amanda Fusco
Anar Brahmabhatt • Anne Gellar • Aranza Leija • Ashanti Hands • Agustin Rivera
Brian Mackus • Caitlin Tiffany • Carmen Vera • Charly Flores-Houng
Chis (Amy Chistina) Grobin • Christina Huynh • Claude Mona • Danica Moore
Daniela Bruckman • David Lizarraga • David Rubinstein • Dean Leavitt
Donna Budzynski • Edgar Hotard • Edward Gillison • Elizabeth Hedges • Emad Shonoda
Eva Parrill • Fabiana Beas • Farid Sadeghipour • Fatemeh Chadeghani • Georgia Manley
Gina Abbiate • Hien Ba Nguyen • Hunter Reist • Ikuko McAnally • Irena Stojimirovic
Isabel O'Connor • Isabel Tang • Isaac Mayor • Jacqueline Collins • Jamie Hinton
Jared Collins • Jelani Morton • Jennifer Carmichael • Jennifer Synder • Jessica Sardo
Joe Toto • Jose Pena • Joseph Johnson-Chavez • Juan Bernal • Julia Schafer
Katherine Naimark • Kelly Spoon • Ken Kuniyuki • Kyung Ae Jun • Larry Maxey
Leland Simpliciano • Leslie Seiger • Leticia Lopez • Lorenze Legaspi • Makan Boustani
Mari MacNeill • Maria Poblete • Maria Jose Zeledon-Perez • Mariam Kushkaki
Marisa Alioto • Maryam Amin • Matthew Dyson • Maximiliano Aguilar
Michaela Lule • Michael Williams • Monica Romero • Nancy Cortes
Nathan Ebel • Paige Hu • Pamela Luster • Patricia Rodriguez
Paula Gustin • Paulina Cubero • Rob Fremland • Robert Monroy
Sandra Belew • Shane Briggs • Synthia Chang • Teresa Rentel
Thamira Jarjees • Thieny Trinh • Todd White • Toni Parsons
Victor Manea • Waverly Ray • Wei Huang
Xiaomeng Hu • Yixuan (Alison) Huang
Yasmin Alkabbani

MESA COLLEGE