

# San Diego **Alliance**

Mathematics  
Engineering  
Science  
Achievement

## 2011-2012 PROFILE

The San Diego MESA Alliance (SDMA) is a statewide model for effective collaboration between regional MESA programs. The SDMA creates a supported pipeline from pre-college, through community college, university and ultimately the technical workforce.

SDMA's members represent several divisions of the California MESA program. One of the country's most successful programs of its kind, Mathematics, Engineering, Science Achievement (MESA) provides academic support for thousands of educationally disadvantaged students to excel in math and science and graduate with baccalaureate degrees in science, engineering, computer science and other math-based fields.

MESA has been named one of the most innovative public programs in the nation by Innovations in American Government, a project of the Kennedy School of Government at Harvard University, and the Ford Foundation. Among countless other awards, MESA has also earned the Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring. Additionally, MESA was also featured in a half-hour national PBS documentary *The Innovators: Designing the Future*, as one of the solutions to developing the next generation of innovative engineers and scientists.

The SDMA boasts a vital membership of 5 sister programs from three California MESA educational divisions:

- MESA Schools Program (MSP)- San Diego
- MESA Schools Program (MSP)- Imperial Valley
- MESA Community College Program (MCCP) - San Diego City College
- MESA Community College Program (MCCP) - Southwestern College
- MESA Engineering Program (MEP)- San Diego State University

Average Enrollment by Program
SDSU MSP - 800
Imperial Valley MSP - 800
San Diego City College MESA - 200
Southwestern College MESA - 160
SDSU MEP - 320

The Mission is to have collaborative efforts toward the enhancement of the K-16 pipeline for MESA programs in San Diego County; ultimately graduating students in the fields of engineering and sciences at the community college and university levels.

The SDMA goals are to establish best practices, strategic partnerships, effective coordination of services, and development of core curriculum for MESA programs.

Collaboration is the operational theme. Member programs share in the planning of events and services for the benefit of students and industry partners. From its inception, the SDMA has enhanced the effectiveness of each member program and strengthened the MESA pipeline. Joint events are the norm, rather than the exception, including academic excellence workshop facilitator training, university transfer days, mentoring, tutoring, recruitment, outreach, industry nights, career fairs, and grant writing.

Imperial Valley MSP, SDSU MSP, San Diego City College and Southwestern College MESA programs are funded by Statewide MESA through the University of California and the California Community College Chancellor's Office. San Diego State University MEP is funded partially by the SDSU College of Engineering and local industry contributions.

SDMA enjoys strong support from industry because they not only recognize MESA's success in producing technical professionals needed by industry to stay competitive (in San Diego) but also because they see the collaborative efforts which produce alumni that continues to support the San Diego region. Corporations such as Sony, Hamilton Sundstrand, Northrop Grumman, Rick Engineering, Infrastructure Engineering Corporation and Sempra Energy have provided funding, in-kind contributions, scholarships, and internships to assist SDMA students. Corporate representatives serve on the SDMA Advisory Board.

### Contact Information:

MESA Schools Program-Imperial Valley: Jeanette Espino 760 353-2860 X 21

MESA Schools Program-San Diego: Luis Topete 619-594-0299

MESA Community College Program-San Diego City College: Rafael Alvarez 619-388-3393

MESA Community College Program-Southwestern College: Raga Bakhtiet, PhD 619-482-6381

MESA Engineering Program-SDSU: Theresa M. Garcia 619-594-5679

