

## UC Irvine Mathematics Engineering Science Achievement Schools Program

Since 1999 the UC Irvine MESA Schools Program (MSP) has served elementary, middle, and high school students with the goal of enhancing math and science skills, exploring career opportunities in Science, Technology, Engineering, and Mathematics (STEM), and ensuring that students are competitively eligible for the university.

### **UCI MESA Program Models (all sessions are school-site based):**

MESA Saturday Institute (MSI): 2-3 Saturdays (8am-12pm)/month, 1 hour (after-school)/week

MESA After-school Preparation Program (MAPP): 3 hours (after-school)/week

MESA Period: Elective course offering during the regular school day.

### **The UC Irvine MSP Offers:**

- **Individual Academic Plans (IAP).** IAP's help students and parents monitor individual student progress toward college.
- **Career and college exploration.** Workshops and field trips present various college and career options.
- **SAT Preparation.** Students participate in a year long interactive course designed to provide test taking strategies and extensive practice on both the verbal and mathematics sections of the SAT exam.
- **College Application and Financial Aid Assistance.** Workshops and individual guidance in completing college applications and financial aid forms.
- **Academic Excellence Workshops.** Math and science curriculum designed to enhance critical thinking skills and increase students' ability to work cooperatively.
- **Undergraduate Role Models.** Trained UCI undergraduates implement program activities and provide academic advising and mentoring.
- **MESA Days.** Participation in hands-on math and science competitions reinforce California content standards. Winners of local competitions advance to regional and national levels.
- **Incentive Awards and Graduation Recognition.** Outstanding student achievement, leadership, and educational milestones are recognized.
- **Teacher professional development opportunities.** Institutes are offered for MESA Advisors featuring hands-on curriculum and new techniques to teach math and science.
- **Parent leadership development.** Parents learn how to become effective advocates for their children's academic success.
- **"Engineering Your Future" Closing Ceremony.** The culmination of the MESA year includes Robotics, College Poster Board, Rubik's Cube, and Rube Goldberg Competitions, as well as college/career workshops, and personal strengths assessment.

**UNIVERSITY OF CALIFORNIA IRVINE**



**HENRY SAMUELI SCHOOL OF ENGINEERING**