MESA builds student success through:

- Academic support based on high standards
- Individual counseling to ensure that college prerequisites and transfer/college graduation requirements are met
- Group learning techniques that reinforce math and science concepts
- Industry involvement in activities and strategic planning
- Reinforcement of California math and science standards through hands-on projects
- Building supportive student communities
- Professional development tailored for math and science teachers in low-performing schools (scoring in the lowest two quintiles of the Academic Performance Index)
- Networks of parents, educators, industry leaders and community resources

MESA AND EDUCATION DESTINATIONS

| Number of high school seniors who go to college immediately after graduation |
|--------------------------|------------------------|------------------------|
|                        | Independent Colleges, Universities | Out of state, other |
|                        | 7%                         | 26%                    |
| California high school   | UC Irvine                 | UC Berkeley            |
| students who go to college immediately after graduation | 1. UC Davis | 3. UC Davis | 5. UCLA |
|                       | 2. UC Berkeley            | 4. UC Davis            | 6. UC Santa Cruz and UCLA (lab) |
|                       | 3. UC Davis               | 5. UC Santa Cruz UC    | 7. UC Irvine |
|                       | CSU-24%                   | C California Community Colleges | 21% |
|                       | MESA 76%                  |                        | 9. UC Irvine |

Where MESA high school students go to college immediately after graduation:

- California 41%
- Independent Colleges, Universities 7%
- Out of state, other 26%
- UC 24%
- CSU-22%
- C California Community Colleges 21%
- MESA 76%

MESA AND STEM (SCIENCE, TECHNOLOGY, ENGINEERING AND MATH)

53% of MESA pre-college students go to college in STEM majors

97% of MESA community college students transfer to four-year institutions in STEM majors

Top transfer majors of MESA community college students:

1. Engineering
2. Life Sciences
3. Mathematics
4. Biochemistry
5. Computer Science

Top degree subjects of MESA engineering and computer science university program graduates:

1. Civil Engineering
2. Mechanical Engineering
3. Electrical Engineering
4. Computer Science
5. Computer Engineering

WHO IS MESA?

Students served

<table>
<thead>
<tr>
<th>MESA Students</th>
<th>MESA colleges</th>
</tr>
</thead>
<tbody>
<tr>
<td>K–12*</td>
<td>20,299</td>
</tr>
<tr>
<td>Community</td>
<td>4,707</td>
</tr>
<tr>
<td>University</td>
<td>3,186</td>
</tr>
<tr>
<td>Total</td>
<td>28,292</td>
</tr>
</tbody>
</table>

*includes high schools, charter middle & junior highs, UC elementary schools

MESA provides a solution

MESA helps California restore its ability to produce the educated workforce it needs to stay competitive.

- In 2011, among all states, only Mississippi ranked lower than California in 8th grade math and science proficiency.
- Yet in California—the nation’s technology and innovation center—only 10% of the state’s college degrees and certificates were earned in STEM fields in 2009, with Latinos, African American and American Indian communities disproportionately underrepresented.

To maintain its economic health, California must tap into the talents of all its students. Through high standards and expectations, MESA prepares educationally disadvantaged students to become successful STEM graduates.

All data sources are available from the MESA Statewide Office.

Recent Industry and Foundation Partners

What is MESA?
Since 1970, Mathematics, Engineering Science Achievement (MESA) has helped educationally disadvantaged students in California become engineers, scientists and other math-based professionals urgently needed by industry.

MESA provides a unique combination of enrichment activities, hands-on competitions, counseling, academic support, industry involvement and supportive community environment. Students are served at the pre-college, community college and university levels. MESA offerings are provided through a partnership of all the major public and private education systems in California and with industry.

Funded by the State of California, MESA is administered by the University of California, with funding allocated from UC and the California Community Colleges. MESA leverages its state funding to garner additional financial and resource support from private and public sources.

Whom does MESA serve?
Most MESA students are first in their families to attend college. Most are low-income and attend (or graduated from) low-performing schools. With MESA’s support, these students excel in science, technology, engineering and math (STEM) studies—some of the most difficult academic subjects.

What makes MESA successful?
During its 42-year history, MESA has established benchmarks, identified best practices, and refined its model to ensure the most effective STEM program for its students. This continuous improvement approach has resulted in a highly successful model for STEM success.

MESA has received awards from the White House and the Ford Foundation and is a model for similar programs in more than a dozen states.