California State University, Monterey Bay

Founded in 1994.

Hispanic-Serving Institution.

Predominantly undergraduate (4,795 UG/ 197 graduate).

5 STEM majors, with 1,100 students.
Home of CSUMB’s McNair Scholars program, Louis Stokes Alliance for Minority Participation (LSAMP) program, and other grant-funded undergraduate research initiatives.

Launched in January 2009.

In 3 years, we’ve placed 162 students across 14 majors in undergraduate research positions and worked with over 300 students in research seminars, workshops, panels, and one-on-one sessions.

Six UROC'ers received fellowships from the National Science Foundation’s Graduate Research Fellowship Program.

17 UROC’ers are in Master’s programs and 9 in Ph.D. programs. In fall 2012, 7 UROC’ers will begin Master’s programs and 6 will begin Ph.D. programs.
UROC’s Core Values

Challenge
- Cultivate student success through challenging and rigorous research experiences.

Development
- Support student development through intensive mentoring and program services.

Application & Calibration
- Enable students to apply and ‘calibrate’ their skills and knowledge through exposure to the field, conference presentations, and peer-review publications.

Achievement & Identity
- Empower students to develop self-efficacy and identity as scholars and researchers.
Needs Beyond UR To Sustain Minority Student Involvement in STEM

- Connections between first-year students and current STEM students to establish a conduit to the major, faculty, and UR opportunities.
- Academic support in gatekeeper STEM courses.
- Inquiry and research-based learning.
- Faculty and graduate student involvement.
Undergraduate Research

• Paid UR
• Seminars, workshops, and 1-on-1 support
• Presentations, publications, and graduate school visits

Peer Engagement

• Mentoring, modeling, and connection
• Recruitment
• Exposure to STEM fields

Course Support

• Tutoring
• Course assistants

Curricular Enhancements

• Inquire-based learning
• Course-based research

Faculty Support

• Campus recognition
• Collaborate on proposals and leveraged funding
• Contributions to research agenda
• Mentor training for faculty and graduate students
Leveraging Resources & Building Capacity

- Donors and Non-Federal Funds
- LSAMP
- McNair Scholars
- HSI STEM & Articulation Grant

Undergraduate Research

- Peer-To-Peer Mentoring Program
- Curricular Enhancements
- Course Support