

**Center for Dark Energy Biosphere Investigations (C-DEBI)**

**Partner Institution’s Education & Diversity Opportunities & Resources:**

***Marine Biological Laboratories (MBL)/Woods Hole Oceanographic Institution (WHOI)***

**Summer Program Opportunity:**

- **Woods Hole Partnership Education**
  - Eligible Student: Designed for college juniors and seniors
  - The program consists of a four-week course and a six-to-ten week research project – all in the sea-side village of Woods Hole for students who want to spend a summer gaining practical experience in marine and environmental science. Application required; support/stipend offered.
  - [http://www.woodsholediversity.org pep/](http://www.woodsholediversity.org pep/)
  - Contact: Dr. Ambrose Jearld, Jr at NOAA Fisheries, Ambrose.Jearld@NOAA.gov
  - Contact: Dr. Paulinus Chigbu, University of Maryland Eastern Shore pchigbu@umes.edu

- **Student Summer Fellowships at WHOI**
  - Eligible Student: undergraduate students who will have completed their junior year at colleges or universities by the start of the fellowship period, preferring but not limited to the fields of biology, chemistry, engineering, geology, geophysics, mathematics, meteorology, physics, oceanography, and marine policy.
  - Fellows are expected to work on a project selected in collaboration with their sponsor(s) that will provide meaningful results in one summer’s work. Students must have at least a tentative interest in the ocean sciences, oceanographic engineering, mathematics, or marine policy. Application required; support/stipend offered.
  - [http://www.whoi.edu/main/summer-student-fellowship](http://www.whoi.edu/main/summer-student-fellowship)
  - Contact: education@whoi.edu

- **Semester Environmental Microbiology Course (Semester at WHOI)**
  - Eligible Student: Advanced undergraduates (juniors or seniors) majoring in science, engineering or mathematics. Tuition supported. (well-suited for students planning to obtain an advanced degree in ocean sciences, ocean engineering or related fields in the geosciences)
  - This opportunity for a full course load (12 hours consisting of 2 courses and a research course) is offered in the fall only. WHOI expects 10 hours per week working in the lab to receive 3 hours of undergraduate research credit.
  - [http://www.whoi.edu/semester-at-whoi/](http://www.whoi.edu/semester-at-whoi/)
  - Contact: guest-student-coordinator@whoi.edu

***University of Alaska, Fairbanks/Monterey Bay Aquarium Research Institute (MBARI)***

**Summer Program Opportunity:**

- **Ocean Science Research Experiences for Undergraduates (REU) Program**
  - Eligible student: Undergraduates
  - California State University, Monterey Bay (CSUMB), offers a 10-week, Summer Ocean Science Research Experiences for Undergraduates (REU) Program in the Monterey Bay Region. While working with faculty and
scientists, students will engage in Ocean Science research at several nearby host institutions. Disciplines include oceanography, marine biology & ecology, ocean engineering, ROV/AUVs and marine geology. Application required; support/stipend offered.

- [http://reu.csumb.edu/csumb-research-experiences-undergraduates-reu](http://reu.csumb.edu/csumb-research-experiences-undergraduates-reu)
- Contact: Dr. Corey Garza, cogarza@csumb.edu or Jessica Brown, jebrown@csumb.edu

- **MBARI Summer Internship Program**
  - Eligible student: Undergraduates
  - Come to MBARI for a period of 10 weeks to work on a specific project learning research techniques and improving communication and collaboration skills. Each intern will have an MBARI mentor who will supervise a specific project. Interns will also serve as peer-mentors to other interns. Application required; support/stipend offered.
  - [http://www.mbari.org/education/internship/default.htm](http://www.mbari.org/education/internship/default.htm)
  - Contact: George Matsumoto, mage@mbari.org

**University of California, Santa Cruz**

Resources at The [STEM Diversity Programs office](http://reu.csumb.edu/csumb-research-experiences-undergraduates-reu)

- How to make a poster
- Tips on giving an oral presentation
- How to prepare research abstracts,
- CV construction
- Graduate school interviews
- Research practices
- And more!

**Summer Program Opportunity:**

- **The Lamat Summer Research Program on High Performance Computing in Astrophysics**
  - Eligible students: Only for students attending Hartnell, Cabrillo, Monterey Peninsula and De Anza Community Colleges
  - Selected interns will work closely with mentors at UCSC and will take part in an intensive eight-week introduction to astrophysical research methods and tools with an emphasis on cosmological simulations.
  - [http://tasc.ucsc.edu/lamat/](http://tasc.ucsc.edu/lamat/)
  - Contact for questions: Professor Enrico Ramirez-Ruiz; enrico@ucolick.org

- **Community College: Research Internship for Scientific Engagement**
  - Eligible students: Currently enrolled in a community college, planning to transfer to a 4-year university within the year and major in a science discipline.
  - CC-RISE is an eight-week, paid, summer research internship where students gain firsthand exposure to the scientific process by working in a faculty-led research lab at the University of California at Santa Cruz (UCSC). Application required; stipend offered. Non-residential program.
  - [http://www.darkenergybiosphere.org/education/undergrads/cc-rise.html](http://www.darkenergybiosphere.org/education/undergrads/cc-rise.html)
  - Contact: Dr. Adina Paytan, apaytan@ucsc.edu
Academic Year Opportunities are available to UCSC students through many programs: MARC, IMSD, CAMP, UC LEADS, PREP, HLLC, RAD, and the local SACNAS Chapter.  

**SACNAS Chapter Advisor: Malika Bell, malika@ucsc.edu**

**University of Hawaii, Manoa**

Resources at the School of Ocean and Earth Science and Technology (SOEST) & Center for Microbial Oceanography: Research and Education (CMORE)

- Lists of scholarships and funding sources
- Links to REUs or other research experiences [http://cmore.soest.hawaii.edu/education/undergraduates/summer_opps.htm](http://cmore.soest.hawaii.edu/education/undergraduates/summer_opps.htm)
- Educational information about microbes: [http://cmore.soest.hawaii.edu/education.htm](http://cmore.soest.hawaii.edu/education.htm)
- **SACNAS Chapter at UH, Manoa** Austin Shelton, SACNAS President, sacnas@hawaii.edu and facebook at [Ilima SACNAS Chapter at the University of Hawaii](http://cmore.soest.hawaii.edu/education/undergraduates/index.htm)

**Academic Year Program Opportunity:**

- **C-MORE Scholars Program**
  - Eligible Student: Current, full-time undergraduate students within the University of Hawai‘i (UH) system who are interested in ocean and earth science-related careers.
  - The C-MORE Scholars program provides a hands-on, closely mentored research experiences during the academic year. In addition to conducting research, all Scholars attend monthly meetings on professional development, participate in educational outreach and present their research results at the end of the year.
  - [http://cmore.soest.hawaii.edu/education/undergraduates/index.htm](http://cmore.soest.hawaii.edu/education/undergraduates/index.htm)
  - Contact: Barbara Bruno, barb@hawaii.edu

**University of Rhode Island**

**Summer Program Opportunity:**

- **Summer Undergraduate Research Fellowships in Oceanography (SURFO)**
  - Eligible students: Undergraduates who have just completed their junior year primarily in science, math and engineering majors.
  - The Summer Undergraduate Research Fellowships in Oceanography (SURFO) program is a 10-week research experience that can include lab work, data analysis, instrumentation development, dynamical modeling, or a research cruise. Application required; support/stipend offered.
  - [http://www.brown.edu/Departments/IMNI/MRSEC/education/REU_introduction.html](http://www.brown.edu/Departments/IMNI/MRSEC/education/REU_introduction.html)
  - Contact: Ms. Kim Carey, kcarey@gso.uri.edu
University of Southern California

Summer Program Opportunity:

- Summer REU: Coastal Ocean Processes
  - Eligible student: Undergraduates (special consideration will be given to students who attend a university or college in Southern California and/or institutions with limited research training opportunities)
  - Student will engage in guided research that focuses on Coastal Ocean Processes during an intensive 8-week program at the USC Wrigley Marine Science Center on Catalina Island, CA.
  - [http://dornsife.usc.edu/wrigley/REU/](http://dornsife.usc.edu/wrigley/REU/)
  - Contact: Diane Kim, [dianekim@usc.edu](mailto:dianekim@usc.edu)