Environmental Studies

The Environmental Studies Program at California State University Monterey Bay develops students and communities with the knowledge, skills, and compassion to promote social and environmental justice and sustainable communities.
School of Natural Science
4 Bachelors Degree Programs
• Environmental Studies
• Environmental Science
• Biology
• Marine Science
+ M.S. in Environmental Science

Relatively easy to switch between majors because of common core
Environmental Studies Emphasizes...

• Social side of human interactions with the environment
• How social/political systems work
• Collecting and analyzing qualitative data
• Building community relationships and promoting a social equity lens
• Applied learning through service learning & capstone projects
• Promoting sustainable polices, practices, & behaviors through education, public service & entrepreneurship
12 Core Courses across the SNS
And 2 Concentrations

**Sustainable Communities**
- Shared courses in GIS, sustainability and infrastructure, service learning, and capstone
- 10 units of elective or a designated minor
- Careers in Urban & Regional Planning, Government, College Campuses, Corporations

**Environmental Education**
- Shared courses in critical pedagogy, service learning, outdoor education or schools, and capstone
- 10 units of elective or a designated minor
- Careers in outreach and education with Museums/Aquaria, Parks and Recreation, Schools, Non-Profits, and Government Agencies
Combining foundational skills with professional development
ENSTU Service Learning
CSU Monterey Bay
National leader in Community Engagement

• One of only four public universities with a service-learning requirement.

• Only two-time recipient of the U.S. President’s Award for Community Service in Higher Education
Community-Engaged Capstones

Sustainable City Year Program
Salinas, 2015-2017
Seaside, 2017-2019

Projects in Environmental Education
Los Arboles Middle School, 2019
Environmental Studies Faculty

Tori Derr
Suzy Worcester
Laura Lee Lienk
Hester Parker
Lauren Hanneman
Natalie Zayas Delgado
Dan Fernandez

Dan Shapiro (“Emeritus”)
John Silveus
Tim Thomas
David Minovitz
Enid Ryce - CART
Heather Ward

California State University Monterey Bay
Dr. Victoria Derr

Environmental Education
Community Partnerships
Qualitative and Quantitative Research Methods
Dr. Suzy Worcester

Science Interpretation
Statistical Testing
Chair of School of Natural Sciences
Dr. Daniel Fernandez

Physics
Sustainability
Fog water collection
Laura Lee Lienk
Watershed Restoration, Return of the Natives
Director of Watershed Institute

Return of the Natives mission is to bring nature closer to people, and people closer to nature through hands-on experiences in community based habitat restoration and environmental education.
Graduate School

467 U.S. Sustainability-Focused Masters Degree Programs

http://www.aashe.org/resources/for-students/

• M.S. ~ Environmental Management
• M.S. ~ Conservation and Restoration Science
• M.A. ~ Urban Sustainability
• M.S. ~ Environment and Society
• M.A. ~ Sustainable Food Systems
• MURP ~ Urban and Regional Planning
• M.S. ~ Community Development
• M.A. or M.Ed. ~ Environmental Education
• M.P.A. ~ Energy Policy, Collaborative Governance, Sustainable Food
• M.A. ~ Environmental Communication
• J.D. ~ Environmental Law
Noah Sforza
Environmental Studies B.A., 2019

- Worked with the Sustainability Office, as a Resident Advisor, and in the Outdoor Recreation program
- Created Laundry-to-Landscapes system for CSUMB’s campus
- Capstone focused on mapping sustainability resources across campus

Sustainability Leader
Caitlyn Barrera
Environmental Studies B.A., 2019

- UROC Research in eDNA study of California tiger salamander and Climate Justice for Farmworkers in the Pajaro Valley
- CSUMB Sustainability Office, Environmental Literacy Assessment
- Capstone focused on student engagement and environmental literacy assessment with Projects in Environmental Education
Carolyn Hinman
Environmental Studies B.A., 2019

• Created a composting and food waste diversion program for the East Campus
• Resulted in 3,500 of food waste diverted
• Program lives on after her graduation
• Now working for GreenWaste to facilitate increased food diversion and support the campuses zero waste sustainability goals

Sustainability Leader
Rachel Perpignani
Environmental Studies B.A., 2018

• Became a Wahine supervisor for service learners while still a student herself

• Developed bird-banding interpretive program for UCSC Fort Ord Natural Reserve (FONR)

• Created specialized bird interpretation guides for young ages

• Now working in interpretation with FONR
Stephanie Yee  
Environmental Studies B.A., 2016

Advocate for Sustainable Food  
Nationwide Student Organizer

- Started “Real Food for CSU’s Campaign”
- Changing California State University Policy  
  “CSU Board of Trustees Approves Statewide Sustainable Food Policy”, 2014
- Real Food Challenge Winner, $75,000, 2015
Eric Sousa
Environmental Studies B.A., 2015

- Moss Landing Marine Laboratories Undergraduate Student Researcher, Presented at Sanctuaries Currents Symposium
- Intern at Monterey Regional Waste Management District
- Assistant Operator at Marina Zero Waste Energy Anaerobic Digestion Pilot Project Facility
- Environmental Systems Operator at San Jose ZWED Facility

Science for Sustainable Communities Advocate
Gerardo Marenco
Environmental Studies B.A., 2015

- Real Food Challenge at CSUMB 2014
- Sustainability Coordinator for Cal State Monterey Bay Sodexo 2015
- Sustainability Coordinator for San Francisco State Sodexo 2016
- 2017 CHESC Speaker Selection Committee Member - Food Systems
- Sustainability Coordinator for Menlo College Sodexo 2017

Sustainable Food Champion
Jilian (Aesir) Epstein
Environmental Studies B.A., 2014

• RISE Program at CSUMB
• Teaching bilingual science at El Sausal Middle School, Salinas
• Center for Oceanic Awareness Research & Education, Oakland
• Young Women in Science Summer Program at Monterey Bay Aquarium

Educator, Educational Equity
Angélica González
Environmental Studies B.A., 2012

- Service Learning with CHAMACOS
- 2012 – 2014: Director
  Watsonville Environmental Science Workshop
  City of Watsonville
- 2014: Conservation Program Manager,
  Sierra Club, Los Angeles Chapter

Environmental Justice Leader
Check out the Watershed Institute Gardens

Return of the Natives community-based restoration

CSUMB Garden Club gardens
More Information?

• Visit our web site https://csumb.edu/naturalsciences

• Contact Environmental Studies Program Coordinator, Dr. Dan Fernandez dfernandez@csumb.edu

• Or contact me, Dr. Tori Derr vderr@csumb.edu