CSU Council on Ocean Affairs, Science & Technology

www.calstate.edu/coast/
What is COAST?
CSU-wide network of faculty members and students actively working to address critical marine, coastal and coastal watershed issues.
What does COAST do?
Promotes research and education to advance our knowledge of marine and coastal systems.
We want you!!

COAST is committed to creating a more diverse and inclusive marine and coastal science community.

Students who are members of a group that is historically under-represented in marine and coastal science, including students who are Hispanic/LatinX, Black or African American, Asian, Pacific Islander, American Indian or Alaska Native; female; LGBTQIA+; first-generation college students; economically disadvantaged; veterans; and students with disabilities are strongly encouraged to apply to all of our opportunities.

https://www2.calstate.edu/impact-of-the-csu/research/coast/Pages/Anti-Racism_Inclusive_Diversity_Resources.aspx
COAST supports marine, coastal and coastal watershed research

The open and coastal ocean
COAST supports marine, coastal and coastal watershed research

Coastal zones (bays, estuaries, beaches)
COAST supports marine, coastal and coastal watershed research

Coastal watersheds
Clear and direct linkages with coast or ocean: anadromous fish, surface and groundwater flow, water quality, land use, etc.
NOT limited to California
Stay informed!

- Website
- Student E-mail List
- Social Media
CSU Council on Ocean Affairs, Science & Technology

COAST Announces Summer 2021 Student Internship Opportunities
1/22/2021
We are offering 10 PAID internship positions this summer at state and federal agencies and non-profit organizations. Each internship has a different focus ranging from invasive species dynamics to fisheries policy and management. Internships are full-time positions over the summer, and each provides a $6,000 stipend. The deadline for applications is Tuesday, March 2, 2021, 5:00 pm PST.
more >>

Dr. Brent Hughes, Sonoma State, and Dr. Kathy Boyer, San Francisco State, Study Eelgrass Recovery
1/12/2021
Dr. Brent Hughes, Sonoma State, and Dr. Kathy Boyer, San Francisco State, are co-authoring a study researching how the reintroduction of sea otters into eelgrass habitats can help eelgrass recovery. According to Dr. Hughes, after sea otters were reintroduced at the Elkhorn Slough in Monterey Bay, the sea hare population increased due to a balance of the food web, which helped the eelgrass grow and recover.
more >>
Welcome to the COAST Student pages! These pages provide information on external funding opportunities, conferences, special short courses, and internships and jobs well-suited to current students and recent graduates. COAST also has several internal programs that support CSU students through research funding, travel awards and internships.

Announcements:

**Summer 2021 COAST Student Internship Opportunities**
Applications due by 5:00 pm PST, March 2, 2021

**California Sea Grant Graduate Research Fellowships for the 2022 - 2024 academic years**
Preproposals due: 5:00 pm PST, March 9, 2021
Full proposals due: 5:00 pm PST, June 8, 2021

**Sea Grant John A. Knauss Marine Policy Fellowship Program**
Deadline: February 18, 2021 (to be a fellow in 2022)

**The Scripps Undergraduate Research Fellowship (SURF)**
Deadline: March 15, 2021

**Woods Hole Partnership Education Program (PEP)**
Deadline: February 13, 11:59 pm EST

**SFSU Sustainable Groundwater Resources REU**
Deadline: March 1, 2021

**2020-21 Student Travel Awards**
Accepting applications covering registration fees for virtual meetings
www.calstate.edu/coast

Open Funding Opportunities

- 2020-21 Rapid Response Funding Program
- 2020-21 Short Course, Workshop, and Symposium Funding Program
- 2020-21 Undergraduate Research Support Program
- 2020-21 Student Travel Awards Accepting applications covering registration fees for virtual meetings

More Funding Opportunities

Announcements

- Summer 2021 COAST Student Internship Opportunities
- COAST Announces Microplastic/Microfiber Awards
- Missed the COAST Annual Meeting? Check out the recordings!
- New section on COAST website: Anti-Racism and Inclusive Diversity Resources

Get Involved

- Become a Member
- Sign up for the Student Email List
- Sign up for the Faculty Email List

Instagram, Twitter, Facebook icons
Student Funding Frequently Asked Questions

Please see below for frequently asked questions (FAQ) about our student funding programs.

Student Internships

Have you read the COAST Summer Internship materials closely, but still have questions about the program? See below for some common questions and answers!

Q: I am an international or undocumented student. Can I still apply for this program?
   Applicants are not required to be U.S. citizens; international and undocumented students are eligible to apply. Internships may have additional eligibility requirements-please see individual descriptions for more detail.

Q: Can I submit a cover letter as part of my internship application?
   No. We cannot accept cover letters.

Q: Do I need to submit official transcripts?
   No. Unofficial transcripts are acceptable.

Q: I attended community college(s) before I came to the CSU, and had some of those credits transferred. Is my CSU transcript sufficient?
   No. We need transcripts including GPA from all institutions you have attended (ALL community college, undergraduate and graduate).

Q: I’m a graduate student. Do I need to submit transcripts from my undergraduate institution?
   Yes. We need transcripts including GPA from all institutions you have attended (ALL community college, undergraduate and graduate).

Q: How do I know if the person I want to write the letter of recommendation is a CSU faculty member?
   This can be a bit tricky, but there are a few ways you can figure it out. Generally speaking, if someone teaches a class (i.e., if someone is a professor or a lecturer) at a CSU, they are a CSU faculty member. To confirm if someone is a member of the faculty, you can do two things:
   1. Check the Department faculty list (there is usually a link on the school webpage). If the person you want to write you a letter is
Undergraduate Student Research Support Program

$2,500 available to campus to support undergraduate student marine, coastal and coastal watershed research and related activities

Michael Espinoza
Fullerton
Who to Contact

- Fall 2021?
- Faculty member with whom you will be working
- Campus Faculty Representatives

Melissa Belen-Gonzalez
San Diego
Paid COAST
Summer Internships

• Marine/coastal/coastal watershed focused
• For continuing students
• State and federal agencies, non-profits, and private industry
• 400-hour commitment (10-11 weeks)
• $6,000 stipend!

Benjamin Potter, Cal Maritime
Alice Dornblaser, Long Beach
We want you!!!

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Students who are members of a group that is historically underrepresented in marine and coastal science, including students who are Hispanic/LatinX, Black or African American, Asian, Pacific Islander, American Indian or Alaska Native; female; LGBTQIA+; first-generation college students; economically disadvantaged; veterans; and students with disabilities are strongly encouraged to apply to all of our opportunities.

Applicants of any race, ethnicity, color, religion, gender, gender identity or expression, sexual orientation, national origin, age, dis/ability or veteran status are welcome.
Who can apply?

• Rising juniors and seniors and graduate students
  – 60 semester units or 90 quarter units completed by end of Spring 2021

• Continuing students
  – Enrolled for Fall 2021 in same program you were in during Spring 2021
  – Cannot graduate at end of Spring 2021

• Undocumented and international students
  – Some individual internships may have more stringent requirements
Summer 2020 Internship Hosts

- CA Dept. of Fish and Wildlife Marine Region
- CA Ocean Science Trust
- Channel Islands National Marine Sanctuary
- NOAA National Marine Fisheries Service
  - Protected Resources Division
  - Sustainable Fisheries Division
- Smithsonian Environmental Research Center
- Tijuana River National Estuarine Research Reserve

Planning for in-person participation but will transition to hybrid or remote if necessary. Any in-person activities will adhere to CDC COVID-19 protocols.
Summer 2020 Internship Locations

- Bodega Bay
- Sacramento
- Tiburon
- Santa Barbara
- Long Beach
- San Diego/Imperial Beach
NINE different internship opportunities

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https://www2.calstate.edu/impact-of-the-csu/research/coast/funding/Pages/COAST-Student-Internships-Summer-2021.aspx
California Department of Fish and Wildlife Marine Region
Emerging Box Crab Fishery Internship

Host: The mission of the California Department of Fish and Wildlife (CDFW) is to manage California's diverse fish, wildlife, and plant resources, and the habitats upon which they depend, for their ecological values and for their use and enjoyment by the public. The Invertebrate Management Project conducts ecosystem surveys, fisherman interviews, and laboratory-based ecological research to aid in science-based management of California's marine invertebrate resources.

Location: Santa Barbara (map) or San Diego (map) (planning for in-person participation but will transition to hybrid or remote if necessary)

Internship Dates: June 1 - August 13, 2021; start and end dates flexible with regard to student’s academic commitments.

Stipend: $6,000

Time Commitment: The internship is a full time, 11-week commitment. Hours may include multi-day or long single days in the field (10-12 hours) and may occasionally include weekends. Over the 11 weeks, the intern may take up to five days off for personal reasons, vacation or illness. If participation is less than 100%, the stipend will be pro-rated.

Position Description and Responsibilities: One internship is available working with CDFW scientists to conduct research on invertebrate fisheries, primarily box crabs. An experimental fishery for box crab is underway to evaluate the potential for creating a commercial fishery, and to determine the primary fishery design elements. The intern will work closely with CDFW staff and commercial fishermen to conduct research on box crabs as part of a collaborative at-sea sampling program. Work will require frequent single- or multi-day trips on commercial fishing vessels to assist with crab tag-recapture studies as well as other projects. Accommodation on overnight fishing expeditions is expected to be a bunk in a common cabin space shared by fishermen. If possible, the intern will be given a leadership role in coordinating and conducting tag-recapture field work as well as data entry, quality control, and analysis. Depending on needs, the intern may assist with studies of other established and emerging invertebrate fisheries. The intern will also learn about general CDFW processes for management of commercial and recreational fisheries including data collection, entry, management, and analysis as well as preparation of materials for presentations and reports. At the end of the internship, the intern will be expected to provide a report summarizing the results of their activities.

Preferred Experience and Capabilities: This internship will require excellent verbal, written, and organizational skills. Candidates are expected to be comfortable on the water and will need to exhibit independence, safety and responsibility while at sea. Experience with MS Office is desired. Additionally, the ability to lift 50 pounds is needed. Knowledge of marine invertebrate taxonomy and ecology is a plus. Understanding of statistical concepts and methods is also a plus.

Skills Gained: The intern will learn about the information needed to develop emerging fisheries and the types of research studies that may be used to collect that information. The intern will gain experience working with a team of investigators in field and professional settings. The intern will assist with or may take a leadership role in designing and executing hypothesis-based research and translating that information so that it is relevant for management.
National Marine Fisheries Service
West Coast Region Protected Resources Division
Abalone Conservation Internship

Host: NOAA's National Marine Fisheries Service (NMFS) dedicated to protecting and preserving our nation's living marine resources through scientific research, fisheries management, enforcement, and habitat conservation. The West Coast Region of NMFS administers a variety of programs along the coasts of Washington, Oregon and California; and in the vast inland habitats of Washington, Oregon, California and Idaho. We work to conserve, protect, and manage resources under the Endangered Species Act (ESA) and Marine Mammal Protection Act, and sustainably manage West Coast fisheries as guided by the Magnuson-Stevens Fisheries Conservation Act.

Location: Based in Long Beach (map) at the NMFS West Coast Regional Office; occasional travel to captive abalone facilities and field sites throughout southern California, as needed (planning for in-person participation but will transition to hybrid or remote if necessary).

Internship Dates: June 1 - August 13, 2021; start and end dates flexible with regard to student's academic commitments.

Stipend: $6,000

Time Commitment: The internship is a full time, 11-week commitment. Over the 11 weeks, the intern may take up to five days off for personal reasons, vacation or illness. If participation is less than 100%, the stipend will be pro-rated.

NOTE: Scientific diving is NOT required for placement in this internship. However, if you are a current AAUS-certified scientific diver, you may have the opportunity to participate in NOAA-led dives as part of this internship.

Position Description and Responsibilities: NMFS works in collaboration with many partners to protect and conserve abalone species along the U.S. West Coast by monitoring and evaluating the status of species, developing and implementing protections, and carrying out on-the-ground conservation efforts. Currently, white abalone and black abalone are listed as endangered under the federal Endangered Species Act (ESA), and green abalone, pink abalone, and pinto abalone are listed as NMFS Species of Concern (SOC). One (1) internship is offered to work with NMFS scientists on a number of projects that support NMFS and its partners in achieving conservation goals for abalone. The intern will be expected to contribute to or take leadership in a number of ongoing NMFS activities, as well as develop and implement new ideas.

Duties may include

- Reviewing and analyzing time-lapse images of white and pinto abalone to extract ecological and behavioral data;
- Evaluating the status of ESA-listed and SOC abalone species in southern California and Baja California;
Academic Background

- Biology
- Environmental policy, science or studies
- Marine biology or ecology
- Marine invertebrate taxonomy
- Natural resources
- Resource management
- Statistical concepts and methods
Technical Skills

• R statistical computing
• Microsoft Office, including Access
• Basic data analysis, graphing, and presentation
• ArcGIS
Experience

• Fisheries management or conservation
• Library research methods
• Outreach and education
• Scientific instrumentation

Kathlyn Franco
Los Angeles
Soft Skills

- Excellent verbal, written and organizational skills
- Strong interpersonal and communication skills
- Critical thinking, analytical and problem solving skills
- Ability to take initiative and work independently
- Ability to work in team setting
Apply for up to FOUR internships

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How to apply

1. Submit ONE Google form
2. Attach your Application Package(s)
3. CSU faculty member must submit Letter of Recommendation for you
Application Package(s)

1. Application Form
2. Resume
3. Full transcripts

You will create an application package for EACH internship you apply to.
Application Form

- Relevant experience
  - List courses, computer skills,
  - Describe field and lab experience

- Interest, goals and qualifications

Customize for each internship you apply for
Application Package(s)

1. Application Form
2. Resume
   - Two-page max
3. Full transcripts
Resume Building

In addition to career resources available on your campus, COAST has compiled the following resources to help you build your professional resume.

How to Write a Resume: 17 HR Professionals & Resume Writing Experts Share Their Tips, OutwitTrade

Ten Things That Should Never Appear on Your Resume, Purdue University Global

The Resume Revolution: New Trends and Expert Advice to Get You Noticed Now, Learn How to Become

No Experience Resume - Ultimate Guide for Students & Graduates, Novoresume Career Blog

CV vs. Resume: What is the Difference? When to Use Which, Uptowork

How to Write Your First Resume, LiveCareer

Scientific Resume Examples, LiveCareer

Sample Resumes, UC Davis Internship and Career Center

Sample Resumes for Biology Majors, Towson University

Biology Resume Objective Examples, Cover Letters and Resume

Resume Building for Engineering Students, Iowa State University College of Engineering

How to Write a Resume for a Science Internship, TeacherWeb

Tips for Writing a Resume, Texas A&M University

Résumés and CVs, Purdue Online Writing Lab

https://www2.calstate.edu/impact-of-the-csu/research/coast/students/Pages/resume-building.aspx
Application Package(s)

1. Application Form
2. Resume
3. Full transcripts
   - Unofficial ok
   - ALL two- and four-year institutions attended
   - Must include GPA
Letter of Recommendation

MUST BE

• From a CSU faculty member
  – The faculty member MUST submit the letter

• On institutional letterhead and signed

• Received by the application deadline
Timeline

Application deadline: Tuesday, March 2, 2021
5:00 p.m. Pacific time

• Interview and selection process: March–April
• Applicants notified: Late April-early May
• Internship start: Early June

Trevor Manger, Sonoma
Internship Benefits

• Work side-by-side with scientists and managers in field and laboratory settings

• Learn technical and professional skills

• Workplace experience

• $6,000 stipend!

Annie Nash, Humboldt
The most important thing I learned was how the real world of engineering works. I have learned things during this internship that could only be experienced by working in the field.

–Gabriel Kardener, Cal Poly SLO

This internship has given me the confidence to continue to excel in school and life in general...the necessary tools to pursue a career in marine science.

–Matthew Kim, Pomona

This internship has increased my confidence as a professional and left me more equipped with a wider range of skills and experiences to tackle the next step in my career.

–Demetra Panos, Northridge
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Applicants of any race, ethnicity, color, religion, gender, gender identity or expression, sexual orientation, national origin, age, dis/ability or veteran status are welcome.
Contact Information

Krista Kamer
kkamer@csumb.edu

Kimberly Jassowski
kjassowski@csumb.edu

www.calstate.edu/coast