

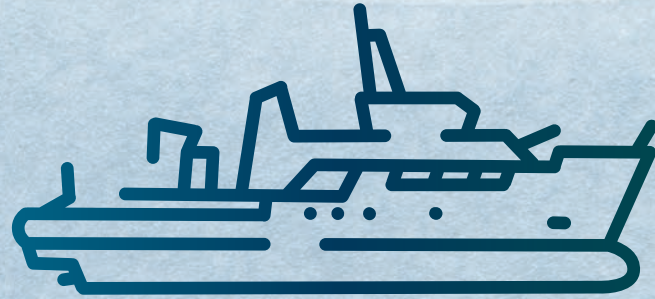
College of Earth, Ocean, and Atmospheric Sciences

College Highlights 2024



Oregon State
University

Welcome aboard!



Here at the College of Earth, Ocean, and Atmospheric Sciences, scientists and students are on the front lines of discovery, from the depths of the ocean to remote mountain peaks, from our backyard ecosystems to the ends of the Earth, and from our state-of-the-art labs to the communities we serve with our research. We're a small and friendly college within a big university, and the Earth is our laboratory, our classroom and our passion. Learn more here and come join us!

Things we care about (and you should, too)



Affordability

How will you afford college? Good question! You can take advantage

of our summer courses (which are offered at the in-state tuition rate for everybody, regardless of where you're from) and online Ecampus offerings can drastically reduce your tuition costs. The Degree Partnership Program allows students to enroll concurrently at Oregon State and Oregon or Hawaii community colleges. Average undergraduate student debt at OSU is less than 60% of the national average.



Community

Within CEOAS and at Oregon State, it's easy to find friends.

Our student clubs and peer-to-peer mentoring help you connect with classmates and find ways to take your learning beyond the classroom. Want to nerd out about your favorite species of plankton or find others who love volcanoes as much as you? You can do that here!



Your future

CEOAS faculty and academic advisors emphasize career

mentoring to help you discover opportunities beyond college. Recent CEOAS graduates are making maps of river systems, teaching science abroad, working in research labs and helping shape environmental policies. A career where you can make a difference is well within reach.

More about us

Students

Undergraduate students

886 women

538 men

8 unreported gender*

Graduate students

91 women

52 men

1 unreported gender*

*This category includes people who either did not report their gender or who are gender-nonconforming. OSU is working on a process to allow for better reporting of gender identity categories.

Faculty-to-student ratio

1:12

What does this mean for you? Faculty and advisors who know you, and more opportunities to find mentors!

Research Awards

\$100M
in 2023

What does this mean for you? Research awards create opportunities for you to work in a lab, collect data in the field or participate on a research cruise. And that includes undergraduates!

Programs

Undergraduate

- Climate Science
- Environmental Sciences
- Geography and Geospatial Science
- Geology
- Oceanography

CEOAS also offers a variety of minors and certificates to complement your degree. Scan to learn more:



Graduate

- Geography and Geospatial Science (M.S., Ph.D.)
- Geology (M.S., Ph.D.)
- Marine Resource Management (M.S.)
- Ocean, Earth and Atmospheric Sciences (M.S., Ph.D.)

with concentrations in:

- » Atmospheric Sciences
- » Geological Oceanography
- » Geophysics
- » Ocean Ecology & Biogeochemistry
- » Physical Oceanography

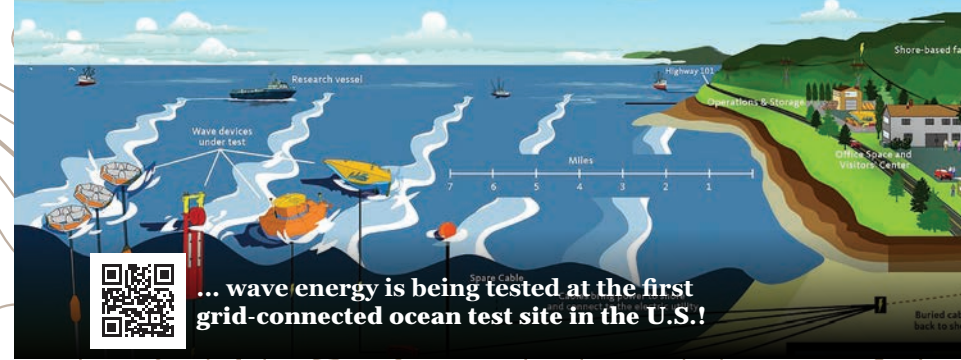
Faculty

CEOAS research and teaching faculty are known around the world as among the best of the best, but are also down-to-earth and approachable. They include three members of the National Academy of Sciences, seven University Distinguished Professors and 11 Fellows of the American Association for the Advancement of Science. And the best part? You have the opportunity to learn from these scientists and even work in their labs. Feel free to reach out to them ... they love to talk to students!

Come to the place where...



... the three newest ships for science were designed and where a brand new research vessel will find its home port!



... wave energy is being tested at the first grid-connected ocean test site in the U.S.!



... we are working with communities to increase their resilience to earthquakes and tsunamis!

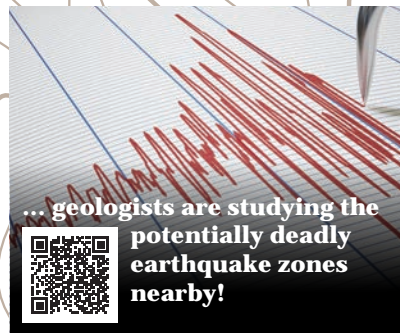
... scientists explore the deep sea, the highest mountains and the human dimensions of the world's biggest problems!



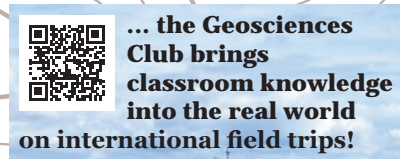
Photo: Abby Hudak



... scientists are scouring Antarctica to unlock the climate secrets trapped in the world's oldest ice!



... geologists are studying the potentially deadly earthquake zones nearby!



... the Geosciences Club brings classroom knowledge into the real world on international field trips!



Photo: Dexter Davis



... critical discoveries about the Pacific Ocean are being made every day!



... scientists are using cutting-edge technologies to study glacial melt!



... university Distinguished Professors teach undergraduate classes!

YOU BELONG HERE

Meet some CEOAS students



Melissa Croteau

It's a long way from Massachusetts to Paris, France, but for Melissa that move was a piece of cake compared to all she has overcome — and accomplished — in her life. Melissa is an Environmental Sciences student earning her degree entirely online via OSU Ecampus, and she is earning a GIS certificate as well. She is working in Paris for a nonprofit organization conducting GIS-based projects while completing her degree.

“

Being part of CEOAS has unlocked a passion and determination in me that I have never had before. I have been exposed to so many practical ways to help people and help restore our planet, and that is so motivating.

—Melissa Croteau



Angelina Lopez Peinado

Angelina, a CEOAS student ambassador, is an oceanography major and chemistry minor, and is also earning a GIS certificate. She has jumped in with both feet at CEOAS, working in Professor Miguel Goñi's oceanography lab on a project based in the Alaskan Arctic, where she participated in a three-week research cruise in 2022. She also completed an internship with Sea-Bird Scientific, learning to calibrate oceanographic instruments.

“

I chose CEOAS because of the abundant research that goes on in the college. There are so many ways to get involved in a variety of research topics. I also love how much support I have received from my professors.

Everyone here is so friendly!

—Angelina Lopez Peinado



Gillian Blaschke

Growing up in Chico, California, Gillian chose to be an environmental sciences major when she watched the town next door burn down in the 2018 Camp Fire. This experience inspired her to learn more about climate change. An undergraduate researcher in the ARC-Learn program, Gillian is working on a project examining the correlation between sea ice retreat and phytoplankton blooms in Cape Evans, Antarctica.

“

CEOAS makes undergraduate research accessible. It's been really important to me that I have had hands-on experience so that I feel confident in my career choices when I graduate. CEOAS seemed to be a really good fit for me, and so far it has been amazing!

—Gillian Blaschke

Your new home

Picture yourself in the No. 1 college town on the West Coast, immersed in a welcoming and vibrant community and surrounded by diverse landscapes to explore, from forest to ocean to desert. Nestled in the heart of the Willamette Valley, Corvallis offers miles of mountain biking and hiking trails, a river perfect for floating or kayaking and an eclectic downtown featuring local cuisine, popular events and performances.

When you are a CEOAS student, the state of Oregon is your lab. Head out on a research vessel to explore the ocean, learn geological field mapping techniques near John Day Fossil Beds National monument, or learn field research in the 15,800-acre H.J. Andrews Experimental Forest in Oregon's Cascade Mountains. At the Hatfield Marine Science Center on Oregon's central coast, learn to make climate observations or collect data that tell the story of local impacts of the global climate.

The state of Oregon combines vibrant cities and a variety of natural settings, all within easy reach. Come to Oregon, and you may never want to leave.



Let CEOAS be the wind in your sails

See where your degree
can take you



At CEOAS, we give all students real-world learning opportunities beyond the classroom. Want to see what it's like to do science at sea? Want to work in a lab with a world-class scientist? Want to get up close and personal with Oregon's amazing landscapes? Want to travel abroad? You can! And you should.

Photo: Faith Schell

Life after CEOAS



Lacey Gunther
Environmental Sciences, 2017

Lacey has been high in a helicopter over the Beartooth Mountains in Montana and to the Antarctic Peninsula, both in some way thanks to her time at CEOAS. As an undergraduate, she worked with Associate Professor Kim Bernard on a research cruise studying Antarctic krill.

Lacey's environmental sciences major gave her the broad systems understanding and the curiosity about the world to help her land her current job with Westech Environmental, a small environmental consulting firm in Montana, where one of her projects involved that helicopter survey.

“CEOAS provided the small-college feeling — approachable, easy to know the staff and students, and supportive — nestled within a large university with extensive resources.
—Lacey Gunther

Meet some alums



Iain Schoenberg
Geography, 2012

Oregon State — and CEOAS in particular — are practically in Iain's genes. Along with many alumni in his family, Iain's grandfather, Wayne Burt, founded Oregon State's now-renowned oceanography program. After starting out as a civil engineering major, Iain took a GIS class and was hooked.

He switched his major to geography, and became enamored with the concept of using spatial analysis to solve problems, as well as the technology used in mapping. Now he uses his mapping skills at Apple Maps, and he fully credits CEOAS with helping to get him there.

“One of the first things I appreciated after I switched to geography was the amount of field trips. I loved exploring the real world, watching the lessons we learned in class play out in front of me.
—Iain Schoenberg



Chris Kimmel
Geology, 1989

Chris chose Oregon State specifically for its strong Earth sciences programs, and her geology degree has paid off for her. The CEOAS geology program prepared her for a career as an environmental geologist with Landau Associates, taking her out of the classroom and into challenging geology

field camps. At Landau, Chris serves as project manager for a variety of remediation and cleanup projects throughout the Pacific Northwest. She especially loves the opportunities to train people just starting their careers.

“The hydrogeology, geomorphology and fate and transport classes have routinely benefited me throughout my career.
—Chris Kimmel

Change the world. Start here.

Want to solve global problems? Start here at CEOAS. We are working to understand our planet and to move the world toward solutions. We'd love for you to join us — apply today!

Undergraduate students

For best availability of scholarships, the priority application deadline is Feb. 1, 2025 for fall 2025 first-year undergraduates. Go to admissions.oregonstate.edu for more information.



Graduate students

We encourage applicants to apply for early consideration starting Dec. 15, 2024 for fall 2025 admittance. The application deadline is Jan. 5, 2025.



Connect with us

We love talking with future Earth scientists! To learn more about our amazing faculty, our engaging programs and hands-on learning, contact us at ceos.undergrad@oregonstate.edu or scan the QR code above.



Oregon State University
**College of Earth, Ocean,
and Atmospheric Sciences**

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On the Cover

With funding from the National Science Foundation, CEOAS is building the next generation of scientific research vessels for the U.S. Academic Research Fleet. The R/V *Taani*, pictured on the cover, to be operated by Oregon State, will conduct research along the West Coast of the U.S. up into Alaska from its home port in Newport, Oregon. *Taani* and its two sister ships will serve as state-of-the-art platforms to help scientists better understand the world's oceans and coasts and address the challenges they face, including rising sea levels, ocean acidification, low-oxygen waters and the threat of catastrophic tsunamis.