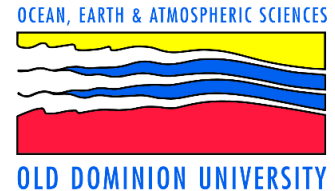


# ODU Undergraduate Studies in Ocean, Earth and Atmospheric Sciences (OEAS)

**Degrees Offered:** OEAS offers undergraduate degree programs leading to the degree of Bachelor of Science (BS) in Ocean and Earth Sciences in seven different areas of study:

<http://catalog.odu.edu/undergraduate/collegeofsciences/oceanearthatmosphericsciences/>

- *Biological Oceanography*
- *Chemical Oceanography*
- *Physical Oceanography*
- *Geology*
- *Environmental Sciences - NEW*
- *Marine Science Technology - NEW*
- *Earth Science Education*



**Minor Programs Offered:** Students can minor in Ocean and Earth Sciences or take courses in the department in pursuit of an interdisciplinary minor in Conservation Leadership

**Certificate Programs Offered:** Students can take courses in Ocean and Earth Sciences in pursuit of a certificate in Spatial Analysis of Coastal Environments

## Potential Career Paths OEAS Majors

- All concentrations are designed for students with a wide range of professional goals in the sciences, engineering, and business
- The oceanography concentrations prepare for graduate work or employment in oceanography or other quantitative disciplines
- The geology concentration prepares for graduate work or employment in geology and geochemistry and builds towards certification as a professional geologist
- The marine science technology concentration focuses on the practical and technical side of oceanography. It trains students to work with scientists, researchers, and engineers on wide ranging projects in the environmental science and technology fields - **NEW**
- The environmental sciences concentration is designed to prepare for careers in local, state, and federal government agencies, environmental consulting firms, and non-governmental organizations (NGOs) - **NEW**
- The earth science education concentration is designed for students preparing to teach Earth science in secondary schools.

# ODU Graduate Studies in Ocean, Earth and Atmospheric Sciences (OEAS)

**Degrees Offered:** OEAS offers graduate programs leading to the degrees of Master of Science (MS) in Ocean and Earth Sciences (thesis and non-thesis options), and Doctor of Philosophy (PhD) in Oceanography:

<http://catalog.odu.edu/graduate/collegeofsciences/oceanearthatmosphericsscience>

**Academic and Research Emphases for MS or PhD:** Academic and research emphases within OEAS include *Biological Oceanography*, *Chemical Oceanography*, *Geoscience of Coastal and Marine Environments – Geological Oceanography*, and *Physical Oceanography*.

Ideal qualifications for graduate studies in OEAS include a Bachelor of Science (BS) degree in Biology, Chemistry, Geology, Environmental Sciences, Mathematics, or Physics, as well as Civil and Environmental Engineering.

**More Information:** Application deadline is January 15 for admission in the following Fall semester. Further information can be found at

<https://www.odu.edu/oeas/academics/graduate>

# Potential Career Paths OEAS MS and PhD

What can I do with an MS in Ocean and Earth Sciences?

- Almost all of our MS graduates (over past 40 yrs) obtain a job in the environmental field, working as advanced technicians or policy analysts in Federal, State, and local agencies, for environmental consulting companies, and as key technicians in university research labs

What can I do with a PhD in Oceanography?

- Our PhD graduates take 2 primary tracks – as university and college faculty, and as Federal and State agency scientists. Some have also become consultants with private environmental companies

What will it cost me to go to graduate school?

- We provide all OEAS graduate students with financial support through teaching or research assistantships that include a tuition waiver and health insurance

## Fall 2020 Online Course Options Outside VA and US

- OEAS 395 A View of the Land-Estuarine-Coastal-Ocean Continuum. Developed to show students the environmental consequences of human behavior on the natural world and to provide tools to make more informed policy decisions. Open to VA, US outside VA, and outside US
- OEAS 302 Environmental Geology. This course explores geologic processes that shape and change the planet with a focus on human interaction with the environment. We will examine topics such as volcanoes, earthquakes, wasting, flooding and climate change. Open to VA and US outside VA

