

DEPARTMENT OF OCEANOGRAPHY

Studies in Oceanography

Oceanography is an interdisciplinary science that focuses on the oceans, their contents and their boundaries. Undergraduate degree programs include BS in Oceanography and BA in Ocean Studies. In addition, qualified undergraduate students may participate in a 15-credit minor in Oceanography.

The BS in Oceanography provides students with an interdisciplinary education and training in one of three areas of ocean science: Ocean Observing Science and Technology (OOST), Ocean Climate (OC), Marine Ecosystems Processes (MEP) and Marine Chemistry and Geochemistry (MCG). All students will gain skill in handling, evaluating and analyzing large datasets.

The BA in Ocean Studies provides students with an interdisciplinary understanding of the oceans and allows them to pair it with a minor from another field to tailor the degree to their needs and the needs of the evolving workforce. All students will develop critical thinking and problem-solving skills.

The Department of Oceanography also has a combined 5-year Bachelor's/ Master of Ocean Science and Technology Program in conjunction with Environmental Geosciences, Atmospheric Sciences, Oceanography, and Geology. These combined programs offer motivated and exceptional students the opportunity to achieve aspirations in an efficient program at Texas A&M, completing a Bachelor's degree in one of these majors: Environmental Geosciences (BS), Meteorology (BS), Geology (BS), Oceanography (BS), and the Master of Ocean Science and Technology (MOST) degree in 5 years. There are only two courses used for dual credit in this program. There is a total of 150 hours of coursework. The concurrent degree program enables these motivated students to coordinate the required BS coursework (114 undergraduate credit hours plus 6 dual credit graduate courses) and MOST coursework (36 credit hours including the 6 dual credit graduate courses) to complete the required credit hours for each degree without diminishing scope or quality of work within 5 years.

Faculty

Baldauf, Jack G, Professor
Oceanography

PHD, University of California at Berkeley, 1985

Campbell, Lisa, Research Professor
Oceanography

PHD, State University of New York at Stony Brook, 1985

PHD, State University of New York- Stony Brook, 1985

Chang, Ping, Professor
Oceanography

PHD, Princeton University, 1988

Dimarco, Steven F, Professor
Oceanography

PHD, The University of Texas at Dallas, 1991

Fitzsimmons, Jessica N, Associate Professor
Oceanography

PHD, Massachusetts Institute of Technology, 2013

Henrichs, Darren, Instructional Assistant Professor
Oceanography

PHD, Texas A&M University, 2012

Hu, Sarah, Assistant Professor
Oceanography

PHD, University of Southern California, 2018

Jones, Cory, Assistant Professor
Oceanography

PHD, University of California, San Diego, 2018

Knap, Anthony H, Research Professor
Oceanography

PHD, University of South Hampton, 1978

PHD, University of Southampton, 1978

Knapp, Angela, Professor
Oceanography

DOC, Princeton University, 2006

Liu, Yina, Assistant Professor
Oceanography

PHD, Texas A&M University, 2013

Orsi, Alejandro H, Professor
Oceanography

PHD, Texas A&M University, 1993

Potter, Henry, Associate Professor
Oceanography

PHD, University of Miami, 2014

Shamberger, Kathryn E, Associate Professor
Oceanography

PHD, University of Washington, 2011

Slowey, Niall C, Professor
Oceanography

PHD, Massachusetts Institute of Technology, 1991

Sylvan, Jason B, Associate Professor
Oceanography

PHD, Rutgers University, 2008

Thomas, Deborah J, Professor
Oceanography

PHD, University of North Carolina at Chapel Hill, 2002

Thornton, Daniel C, Professor
Oceanography

PHD, Queen Mary Westfield College, University of London, 1996

Wiederwohl, Christina L, Instructional Associate Professor
Oceanography

PHD, Texas A&M University, 2012

Yvon-Lewis, Shari A, Professor
Oceanography

PHD, University of Miami, 1994

Zhang, Shuang, Assistant Professor
Oceanography
PHD, Yale University, 2017

Majors

- Bachelor of Arts in Ocean Studies (<http://catalog.tamu.edu/undergraduate/arts-and-sciences/oceanography/ocean-studies-ba/>)
- Bachelor of Science in Oceanography (<http://catalog.tamu.edu/undergraduate/arts-and-sciences/oceanography/bs/>)
- Bachelor of Science in Oceanography and Master of Ocean Science and Technology, 5-Year Degree Program (<http://catalog.tamu.edu/undergraduate/arts-and-sciences/oceanography/bs-oceanography-most/>)

Minors

- Oceanography Minor (<http://catalog.tamu.edu/undergraduate/arts-and-sciences/oceanography/minor/>)