M.S., Ph.D. Degrees
Minimum Requirements for Degrees: M.S.: 30 credits; Ph.D.: 18 thesis
credits

The M.S. and Ph.D. degrees are offered in several concentration areas
of oceanography: physical, chemical, biological, geological and fisheries
oceanography.

Oceanography is both interdisciplinary and multidisciplinary. The M.S.
and Ph.D. degrees emphasize processes that influence the ocean as a
system, including its circulation, composition, biological productivity and
geology. Students considering graduate study in oceanography should
have a strong background in physics, chemistry, biology, geology or
mathematics and a working familiarity with the other subjects.

Opportunities for laboratory and field work are available through the
Institute of Marine Science, the research unit of the College of Fisheries
and Ocean Sciences. Research facilities are located in Fairbanks,
the Seward Marine Center, the Kasitsna Bay Laboratory and Juneau.
Facilities include the Ocean Acidification Research Center, the Alaska
Stable Isotope Facility, seaside laboratories with running seawater
systems, small boats, autonomous undersea vehicles and a variety
of instrumentation for research in water circulation, marine particle
dynamics, nutrient and trace metal chemistry, genomics, zooplankton
ecology and other fields. The College operates the R/V Sikuliaq, a 261-
foot ice capable oceanographic research ship owned by the National
Science Foundation. Oceanography faculty and students are regular
users of Sikuliaq and other ships for high-latitude research, not only in the
Alaska region and the Arctic but also in the Antarctic/Southern Ocean,
Greenland, the North Pacific and elsewhere.

Degrees
- M.S., Oceanography (http://catalog.uaf.edu/graduate/graduate-
degree-programs/oceanography/ms)
- Ph.D., Oceanography (http://catalog.uaf.edu/graduate/graduate-
degree-programs/oceanography/phd)