

# Marine Biology

School of Fisheries and Ocean Sciences  
Graduate Program in Marine Sciences and Limnology  
(907) 474-7289  
[www.sfos.uaf.edu/academics/degrees/grad/marinebiology/](http://www.sfos.uaf.edu/academics/degrees/grad/marinebiology/)

## M.S., Ph.D. Degrees

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

The marine biology graduate program focuses on the ecology, physiology and biochemistry/molecular biology of marine organisms. Students may pursue either a M.S. or Ph.D. degree in marine biology. Graduate students are afforded excellent opportunities for laboratory and field research through the Institute of Marine Science. Laboratory facilities are available in Fairbanks, the Seward Marine Center, the Juneau Center, School of Fisheries and Ocean Sciences, the Fishery Industrial Technology Center in Kodiak and at the Kasitsna Bay Laboratory. Opportunities for field work are available on the R/V *Alpha Helix*, which operates along the Alaskan Coast and in the Bering Sea, and on the R/V *Little Dipper*, which operates in Resurrection Bay.

Students may select courses offered by the graduate program in marine sciences and limnology, the fisheries program, the biology and wildlife department and the chemistry and biochemistry department.

Students considering graduate study in marine biology should have a strong background in biology, molecular biology or biochemistry. Students are admitted on the basis of their ability and the capability of the program to meet their particular interests and needs. Faculty review requests for admission throughout the year. Stipends for financial support are awarded competitively. Limited fellowship support is available. Most students are supported on research projects that relate directly to their degree research.

## Graduate Program—M.S. Degree

1. Complete the following admission requirement:
  - a. Submit GRE scores.
2. Complete the general university requirements (page 182).
3. Complete the master's degree requirements (page 186).
4. Complete a thesis.
5. Complete the following:

MSL 610—Marine Biology .....	3
MSL 615—Physiology of Marine Organisms .....	3
MSL 650—Biological Oceanography.....	3
MSL 651—Marine Biology and Ecology Field Course (4) or MSL 611—Field Problems in Marine Biology (5) or an equivalent field course at another institution.....	4-5
MSL 692—Seminar.....	3
6. Minimum credits required.....30

## Graduate Program—Ph.D. Degree

1. Complete the following admission requirement:
  - a. Submit GRE scores.
2. Complete the general university requirements (page 182).
3. Complete the Ph.D. degree requirements (page 186).
4. Complete course work at least equivalent to that required for the M.S. degree.
5. Minimum credits required.....18