## SFOS QUICK FACTS

- More than $16 million in research funding each year
- 60 faculty in five major locations across Alaska
- 130 students in graduate programs
- SFOS researchers collaborate with more than 60 state, national, international and private agencies
- Graduate research assistantships average $24,000-$28,000/year + tuition waiver
- SFOS offers 80 courses with special topics seminars offered every semester

UNIVERSITY OF ALASKA FAIRBANKS

## WANT TO LEARN MORE?

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"The range of ecosystems studied at UAF is second to none. Students, professors, and researchers from UAF study organisms and systems at both poles, in the tropics, from zoo- and phytoplankton in the surface waters to the deep, dark bottom of the ocean, and everything in between." —Dave Miller, Ph.D. Marine Biology

Outside photos (left to right) courtesy: J. Chantarachoti, S. Jewett, A. Padilla, S. Thornton, C. Tribuzio, C. Bailey, S. Rooney, B. Bluhm. Inside photos (left to right): C. Bailey, J.Pirtle, R. Gradinger, S. Jewett, K. Murra, Bluhm/Gradinger, T. Dann, T. Haase. Starfish on cover: S. Jewett.
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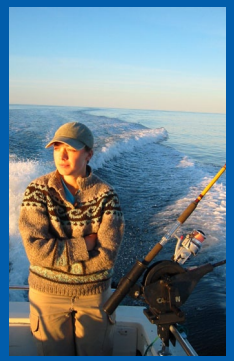
# GRADUATE PROGRAMS

UNIVERSITY OF ALASKA FAIRBANKS

## SCHOOL of FISHERIES and OCEAN SCIENCES

# Come for an education... Stay for an adventure!



## A COMMUNITY OF EXPLORERS

At the UAF School of Fisheries and Ocean Sciences, we challenge our students to explore academically, geographically and culturally.

We are a community of scholars that provide opportunities for students to learn and conduct research in some of the most beautiful and pristine locations in the world.

With vast ocean and freshwater resources, Alaska has:

- more than half of the U.S. coastline,
- 75% of the nation's continental shelf,
- thousands of streams and lakes,
- 29 species of marine mammals,
- and the largest fishery in the world!

**What better place to study fisheries and ocean sciences than in Alaska?**

## FISHERIES: B.S.•M.S.•Ph.D.

To take full advantage of Alaska's natural laboratories, our fisheries program has facilities in both Interior and Southeast Alaska. Research areas include: salmon biology & management • population dynamics • climate change & fisheries • genetics • trophic interactions & bioenergetics • population & community ecology • marine policy • & more! More than 70% of our fisheries alumni remain in Alaska; 37% go to work for the Alaska Department of Fish & Game and 20% go to work for federal agencies.

## MARINE BIOLOGY: M.S.•Ph.D.

Graduate students in marine biology work on an immense variety of research projects both in the classroom and in the field. Research areas include: trophic interactions & food web analysis • phycology & invertebrate ecology • benthic ecology • foraging ecology • physiology of marine birds & mammals • applied biotelemetry • contamination monitoring • scientific diving (AAUS) • & more! Our marine biology graduates continue to work in the marine environment and have positions in outreach and educational programs as diving instructors, biologists, and managers with state and federal agencies.

## OCEANOGRAPHY: M.S.•Ph.D.

Our oceanography program provides a broad, interdisciplinary background in ocean science, with exciting opportunities for coastal and ship-based fieldwork and laboratory experience. Research areas include: ocean circulation and biological productivity • sea ice & polar ecology • zooplankton ecology & trophodynamics • circulation & variability of the Arctic Ocean • climate change • paleoceanography • & more! Our oceanography graduates become scientists with state and federal agencies, senior-level consultants in private organizations and university research staff and faculty.

## SEAFOOD SCIENCE & NUTRITION (Interdisciplinary): M.S.•Ph.D.

Our seafood science students study the chemical and biological aspects of fish to develop new methods for processing and fabricating seafood. Research areas include: utilization of seafood byproducts • chromatographic determination of fatty acids, sterols & lipids • microbiology of seafood • seafood marketing & economics • & more! Our seafood science graduates work in laboratory research and seafood economics, and work directly with the fishing industry to make the best use of Alaska's vast fisheries resources.

"If you like adventure, wilderness, small cities, and very wonderful people, Alaska is the place for you." —Amit Morey, M.S. Seafood Science and Nutrition