COLLEGE OF THE ENVIRONMENT / UNIVERSITY of WASHINGTON

# AQUATICAND FISHERY SCIENCES

The world's fresh and saltwater environments teem with life, and their ability to thrive is the lifeblood of communities and economies dependent on those systems. The School of Aquatic and Fishery Sciences focuses on management of fisheries and aquaculture, as well as conservation of marine and freshwater ecosystems. Students at the school represent the next generation of highly-skilled freshwater and marine scientists, learning from faculty whose breadth of expertise includes marine and freshwater ecology, restoration, quantitative fishery management, pathology, generics, economics and disciplines related to physical, biological and societal processes that bear on emerging issues of ecology, conservation and management. Our proximity to pristine marine and freshwater systems and their biodiversity provides students with abundant opportunities to explore and learn in the field, in the lab, and in the classroom.

#### **CURRENT INITIATIVES**

The Puget Sound and Pacific Northwest marine waters are particularly vulnerable to impacts of climate change and ocean acidification, due to location and other global, natural and human-driven factors. At the School of Aquatic and Fishery Sciences, these have become increasingly important focus areas as their impacts pose risks to the sustainability of numerous species.

The school has partnered with the shellfish and commercial fishing industry, non-governmental organizations and agency leaders to better understand the impacts of these changes.

## IMPACT

Aquatic and Fishery Sciences operates five remote field stations located in the watershed off Bristol Bay, Alaska. Launched in 1946, the Alaska Salmon Program provides students and faculty a unique and pristine environment to conduct research on ecology, biocomplexity, fisheries management and other studies relating to salmon and their environment. Research from the program helps ensure that salmon fisheries remain healthy and productive for both the ecosystems they support and the economies they are connected to.





COLLEGE OF THE ENVIRONMENT / UNIVERSITY of WASHINGTON





## NOTABLE ACHIEVEMENTS AND RECOGNITION

Led by outstanding, award-winning faculty, Aquatic and Fishery Sciences was ranked the #1 fishery sciences program in the U.S. by the National Research Council. Strong partnerships with policy makers, government agencies, the tribes, and the seafood industry contribute to the success of the program. Faculty members hold various fellowships and memberships, such as in the Washington State Academy of Sciences.

## SUPPORT

Aquatic and Fishery Sciences benefits greatly from generous alumni and friends. More than \$20 million in endowment funding supports students, faculty and research programs. To learn more about giving to the School, please contact the College of the Environment Advancement team: envadv@uw.edu, 206-221-9319.

## CONTACT

For more information about the School of Aquatic and Fishery Sciences, please contact: safsdesk@uw.edu, 206-543-4270.

For more information about the College of the Environment, please contact: coenv@uw.edu, 206-685-5410.

We acknowledge that we are on the land of the Coast Salish peoples, land which touches the shared waters of all tribes and bands within the Suquamish, Tulalip and Muckleshoot nations.

#### RESEARCH

- Fisheries management and economics
- Aquatic resource conservation
- Marine and freshwater ecology
- Ecosystem and fishery modeling
- Aquaculture
- Genetics and genomics
- Climate change impacts on ecosystems

#### **DEGREES OFFERED**

Bachelor of Science: Aquatic and Fishery Sciences Master of Science: Aquatic and Fishery Sciences Doctor of Philosophy: Aquatic and Fishery Sciences

#### **BY THE NUMBERS**

Faculty: **30** Undergraduate students: **52** Graduate students: **58** 

BE BOUNDLESS