

# Fisheries & Ocean Sciences



**BS** | Bachelor of Science



*"This program, in partnership with UAF, trains students for today's careers in fisheries science and aquaculture, and prepares them to be the problem-solvers of tomorrow."*

— Michael Navarro Ph.D.  
Biological Oceanography

## POTENTIAL CAREERS

Biological Technician  
Ecologist  
Environmental Educator  
Fisheries Biologist  
Health Careers  
Natural Science Manager  
Naturalist  
Science Teacher  
Zoo or Aquarium Biologist

## Challenge Yourself in a Natural Laboratory

The Bachelor of Science in Fisheries is a joint degree offered between the University of Alaska Southeast and the University of Alaska Fairbanks. This program takes full advantage of faculty and resources at UAF, intimate class sizes at UAS, and the natural laboratory of Southeast Alaska. Students in Juneau have numerous opportunities to engage in real-world science with top faculty, and easy access to the ocean, freshwater lakes and streams, the intertidal habitat, and wetlands.

## Hands-on Experience

Fisheries students learn biological principles and skills in lecture, laboratory, and field courses, with an emphasis on ongoing research focused on fisheries in the marine environment. Projects include marine ecology, evolution, marine mammalogy, marine pollution, fisheries science, crustacean physiology, marine phycology, and more. This program is designed for students interested in pursuing graduate study or to obtain positions with state, federal, Alaska Native, or non-governmental fisheries, natural resources conservation, and management agencies.

UAS Admissions Office  
11066 Auke Lake Way, Juneau, AK 99801  
Toll Free: 1-800-465-4827 | Tel: (907) 796-6100  
[uas.admissions@alaska.edu](mailto:uas.admissions@alaska.edu)

[uas.alaska.edu/apply](https://uas.alaska.edu/apply)



# UNIVERSITY of ALASKA SOUTHEAST

## Fisheries & Ocean Sciences

**SAMPLE DEGREE PLAN | 4 years, 120 credits**

<b>Fall 1</b> BIOL 115 Fundamental of Biology I FISH 102 Fact or Fishin: Fisheries Case Studies MATH 151 College Algebra for Calculus WRTG 111 Writing Across Contexts Humanities or Social Science requirements	<b>15</b> 4 1 4 3 3	<b>Spring 1</b> BIOL 110 Intro to Marine Fisheries BIOL 116 Fundamentals of Biology II FISH 103 Harvest of the Sea MATH 152 Trigonometry WTRG 211 Writing and the Humanities	<b>15</b> 3 4 2 3 3
<b>Fall 2</b> CHEM 105 General Chemistry I FISH 261 Intro to Fisheries Utilization MATH 251 Calculus I Humanities or Social Science requirements	<b>14</b> 4 3 4 3	<b>Spring 2</b> BIOL 271 Ecology CHEM 106 General Chemistry II FISH 288 Fish and Fisheries of Alaska STAT 200 Elementary Statistics Humanities or Social Science requirements	<b>17</b> 4 4 3 3 3
<b>Fall 3</b> BIOL 215 Intro to Marine Biology BIOL 310 Animal Physiology BIOL 362 Genetics PHYS 103 or 211 College or General Physics I	<b>15</b> 3 4 4 4	<b>Spring 3</b> Biology or Fisheries Electives Communication requirement Fine Arts requirement <b>Maymester</b> FISH 315 or 414 Field Methods	<b>17</b> 8 3 3 3
<b>Fall 4</b> BIOL 427 Ichthyology FISH 411 Humans & the Environment FISH 426 Behavioral Ecology STAT 401 Regression and ANOVA	<b>14</b> 4 3 3 4	<b>Spring 4</b> Biology or Fisheries Electives FISH 487 Fisheries Management FISH 491 Fisheries Internship Humanities or Social Science requirements	<b>15</b> 6 3 3 3



**DEGREE REQUIREMENTS:** [catalog.uas.alaska.edu](http://catalog.uas.alaska.edu) Candidates must complete 34 credits of General Education Requirements (GERs) as well as program requirements. Students must work with an academic advisor to plan their course sequence. UA is an AA/EO employer and educational institution and prohibits illegal discrimination against any individual: [www.alaska.edu/nondiscrimination](http://www.alaska.edu/nondiscrimination). Updated 5/2023

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