

M.S., FISHERIES

Admission Requirements

Complete the following admission requirements:

- Prerequisites: calculus; elementary statistics; ichthyology, biology of fish or invertebrate zoology; and computer competency.
- Submit GRE scores.

Program Requirements

Minimum Requirements for Fisheries

M.S.: 30 credits

Code	Title	Credits
General University Requirements		
Complete the general university requirements. (https://catalog.uaf.edu/archives/2020-2021/graduate/mastersdegrees/#generaluniversityrequirementstext)		
Master's Degree Requirements		
Complete the master's degree requirements. (https://catalog.uaf.edu/archives/2020-2021/graduate/mastersdegrees/#masterofsciencewithprojecttext)		
Fisheries Program Requirements		
FISH F699	Thesis	6-12
STAT F401	Regression and Analysis of Variance	4
Graduate seminars		2
Complete one from the following emphasis areas:		6-11
Fisheries Emphasis		
Seafood Science Emphasis		

FISHERIES EMPHASIS

Code	Title	Credits
Complete one from the following under each area:		
Biology and Ecology of Fish and Shellfish		
FISH F612	Marine and Freshwater Conservation Biology	
FISH F626	Behavioral Ecology of Fishes	
FISH F628	Physiological Ecology of Fishes	
FISH F633	Pacific Salmon Life Histories	
FISH F650	Fish Ecology	
FISH/MSL F676	Aquatic Food Web Ecology	
MSL F615	Physiology of Marine Organisms	
MSL F643	Fisheries Oceanography	
MSL F652	Marine Ecosystems	
Quantitative Population Dynamics of Fish and Shellfish		
FISH F421	Fisheries Population Dynamics	
FISH F621	Estimation of Fish Abundance	
FISH F622	Quantitative Fish Population Dynamics	
Management and Human Dimensions of Fisheries		
FISH F411	Human Dimensions of Environmental Systems	
or FISH F611	Human Dimensions of Environmental Systems	
FISH F487	Fisheries Management	

or FISH F687	Fisheries Management
FISH F640	Management of Renewable Marine Resources
FISH F645	Bioeconomic Modeling and Fisheries Management
FISH F670	Quantitative Analysis for Marine Policy Decisions
FISH F675	Political Ecology

SEAFOOD SCIENCE EMPHASIS

Code	Title	Credits
Complete one of the following from two of the three core areas:		6-8

Biology and Ecology of Fish and Shellfish		
FISH F612	Marine and Freshwater Conservation Biology	
FISH F626	Behavioral Ecology of Fishes	
FISH F628	Physiological Ecology of Fishes	
FISH F633	Pacific Salmon Life Histories	
FISH F650	Fish Ecology	
FISH/MSL F676	Aquatic Food Web Ecology	
MSL F615	Physiology of Marine Organisms	
MSL F643	Fisheries Oceanography	
MSL F652	Marine Ecosystems	
Quantitative Population Dynamics of Fish and Shellfish		
FISH F421	Fisheries Population Dynamics	
FISH F621	Estimation of Fish Abundance	
FISH F622	Quantitative Fish Population Dynamics	
Management and Human Dimensions of Fisheries		
FISH F411	Human Dimensions of Environmental Systems	
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FISH F487	Fisheries Management	
or FISH F687	Fisheries Management	
FISH F640	Management of Renewable Marine Resources	
FISH F645	Bioeconomic Modeling and Fisheries Management	
FISH F670	Quantitative Analysis for Marine Policy Decisions	
FISH F675	Political Ecology	

Note: At least 21 credits of the required 30 M.S. degree credits must be at the F600 level. All other credits must be at least at the F400 level.