MARINE POLICY M.M.P.

Admission Requirements

Complete the following admission requirements:

- Bachelor of Arts or a Bachelor of Science with a minimum 3.0 GPA

Admission requests will be reviewed throughout the year. There is no financial support for students in this program.

Program Requirements

< Back to Department (https://catalog.uaf.edu/academic-departments/fisheries/)

Minimum Requirements for Marine Policy M.M.P.: 30 credits [1]

CORE AREAS: LIVING MARINE RESOURCES AND THEIR MANAGEMENT (P. 1); ANALYTIC METHODS (P. 2); LAW AND POLICY (P. 2); ECONOMICS, DEVELOPMENT AND SUSTAINABILITY (P. 2)

Code	Title	Credits
General University Requirements		
Complete the graduate general university requirements. (https://catalog.uaf.edu/masters/#gurmastersdegreestext)		
Master's Degree Requirements		
Complete the master's degree requirements. (https://catalog.uaf.edu/masters/#masterofmarinepolicy)		
Marine Policy Program Requirements		
Complete the following:		
FISH F671	Foundations of Marine Policy and Ocean Governance	3
Complete one of the following internships with a federal, state, local or tribal government, a marine-dependent industry or a marine-focused NGO:		2-6
FISH F690	Marine Policy Internship	
NRM F613/ ANTH F617/ BIOL F613	Resilience Internship	
PADM S691 (https://catalog.uas.alaska.edu/search/?search=PADM+S691)	Internship	
Complete one of the following:		3
FISH F691	Marine Policy Capstone	
Comprehensive Examination	Pass an oral or written comprehensive examination that demonstrates a master's-level ability to synthesize and apply information and experience gained through coursework and the internship to the analysis of a historic, contemporary or hypothetical marine policy issue.	
Electives		
Approved electives to bring program credits to total 30 if needed [2]		0-6
Core Area Requirements		
Living Marine Resources and Their Management	Complete one course from each of the living marine resources and their management categories	5-7
Analytic Methods	Complete one course from any of the analytic methods categories	2-4
Law and Policy	Complete one course from any of the law and policy categories	2-3
Economics, Development and Sustainability	Complete one course from any of the economics, development and sustainability categories	3
Area of Emphasis	Complete two additional courses in one of the preceding categories as an area of emphasis	4-8
Total Credits		**30-37**

[1] Up to 6 of these credits may be F400-level courses.

[2] Electives will be selected based on student interest and relatedness to the degree and approved by the MMP program co-coordinators.

Core Areas and Categories

LIVING MARINE RESOURCES AND THEIR MANAGEMENT

Living Marine Resources

Code	Title	Credits
Complete one course in Living Marine Resources.		3-4
BIOL S405 (https://catalog.uas.alaska.edu/search/?search=BIOL+S405)	Invertebrate Zoology	
BIOL S427 (https://catalog.uas.alaska.edu/search/?search=BIOL+S427)	Introduction to Ichthyology	
BIOL S481 (https://catalog.uas.alaska.edu/search/?search=BIOL+S481)	Marine Ecology	
FISH F427	Ichthyology	
FISH F650	Fish Ecology	
FISH F633	Pacific Salmon Life Histories	
MBI F410	Marine Bird Ecology and Conservation	
MBI F610	Marine Biology	
MBI F619	Biology of Marine Mammals	
MBI F667	Ecology and Physiology of Marine Macroalgae	

Management of Living Marine Resources

Code	Title	Credits
Complete one course in Management of Living Marine Resources.		2-3
FISH F641	Ecosystem-based Fisheries Management	
FISH F645	Bioeconomic Modeling and Fisheries Management	
FISH F651	Aquatic Conservation and Management Genetics	
FISH F687	Fisheries Management	
RD F612	Traditional Ecological Knowledge	

ANALYTIC METHODS

Complete one course in Statistics, Modeling, or Qualitative Analysis.

Statistics

Code	Title	Credits
FISH/MBI F604	Modern Applied Statistics for Fisheries	
FISH/MBI/OCN F627	Statistical Computing with R	
PADM S604 (https://catalog.uas.alaska.edu/search/?search=PADM+S604)	Applied Research Methods	
STAT S400 (https://catalog.uas.alaska search/?search=STAT+S400)	Statistical Computing with R	
STAT F401	Regression and Analysis of Variance	
STAT S401 (https://catalog.uas.alaska search/?search=STAT+S401)	Regression and Analysis of Variance	
STAT F461	Applied Multivariate Statistics	
STAT F605	Spatial Statistics	
STAT F611	Time Series	
STAT F621	Nonparametric Statistics and Machine Learning	
STAT F631	Categorical Data Analysis	

Modeling

Code	Title	Credits
FISH F645	Bioeconomic Modeling and Fisheries Management	

Qualitative Analysis

Code	Title	Credits
ACNS F601	Research Methods and Sources in the North	
ANTH F412/FISH F613	Human-environment Research Methods	
PADM S604 (https://catalog.uas.alaska.edu/search/?search=PADM+S604)	Applied Research Methods	
RD F650	Community-based Research Methods	

LAW AND POLICY

Complete one course in Regulation; Law; Distributed Governance, Self-governance and Co-management; or Policy Analysis.

Regulation

Code	Title	Credits
FISH F681	The North Pacific Fishery Management Council	
FISH F683	The Alaska Board of Fisheries	

Law

Code	Title	Credits
ACNS/PS F654	International Law and the Environment	
ANS/PS F425	Federal Indian Law and Alaska Natives	
FISH F672	Law and Fisheries	
FISH F673	International Maritime Law and IUU Fishing	
NRM F407	Environmental Law	
PADM S618 (https://catalog.uas.alaska search/?search=PADM+S618)	Law for Public Managers	
RD F675	Federal Indian Law: Land, Water and Subsistence	

Distributed Governance, Self-governance and Co-management

Code	Title	Credits
ANS/RD F435	Participatory Policy-making in Tribal, State and Federal Government	
RD F651	Management Strategies for Rural Development	

Policy Analysis

Code	Title	Credits
ACNS/PS F669	Arctic Politics and Governance	
FISH F670	Quantitative Analysis for Marine Policy Decisions	
PADM S635 (https://catalog.uas.alaska.edu/search/?search=PADM+S635)	Natural Resource Policy	

ECONOMICS, DEVELOPMENT AND SUSTAINABILITY

Complete one course in Development, Economics, Human Environments, or Business and Public Administration.

Development

Code	Title	Credits
FISH F674	Economic Development for Fish-dependent Communities	
RD F430	Indigenous Economic Development and Entrepreneurship	
RD F625	Community Development Strategies: Principles and Practices	

Economics

Code	Title	Credits
ECON F434	Environmental Economics	
ECON S435 (https://catalog.uas.alaska search/?search=ECON+S435)	Natural Resource/ Environmental Economics	
NRM/BIOL/ANTH F647	Sustainability in the Changing North	
PADM S625 (https://catalog.uas.alaska search/?search=PADM+S625)	Economics and Public Policy	
PADM S628 (https://catalog.uas.alaska.edu/search/?search=PADM+S628)	Public Financial Management	
RD F630	Economic Development Policy and Entrepreneurship in Rural Alaska: Challenges and Opportunities	

Human Environments

Code	Title	Credits
FISH F611	Human Dimensions of Environmental Systems	
FISH/ANTH F675	Political Ecology	
PS S458 (https://catalog.uas.alaska.edu/search/?search=PS+S458)	Environmental Politics	
RD/CCS F612	Traditional Ecological Knowledge	

Business and Public Administration

Code	Title	Credits
PADM S601 (https://catalog.uas.alaska.edu/search/?search=PADM+S601)	Introduction to Public Administration	
PADM S622 (https://catalog.uas.alaska search/?search=PADM+S622)	Human Resources and Organizational Development	

Road Maps

< Back to Department (https://catalog.uaf.edu/academic-departments/fisheries/)

Road Maps are recommended semester-by-semester plans of study for programs and assume full-time enrollment unless otherwise noted.

Some courses and milestones must be completed in the semester listed to ensure timely graduation. Transfer credit may change the road map.

This road map should be used in conjunction with regular academic advising appointments. All students are encouraged to meet with their advisor or mentor each semester. Requirements, course availability and sequencing are subject to change.

The Sample Course of Study represents a one-year path to completing the M.M.P. degree with a core focus on Economics, Development, and Sustainability.

Course	Title	Credits
First Year		
Fall		
STAT F401	Regression and Analysis of Variance [a]	4
FISH F641	Ecosystem-based Fisheries Management [b]	2
FISH F671	Foundations of Marine Policy and Ocean Governance	3
PADM S625	Economics and Public Policy [c]	3
	Credits	**12**
Spring		
FISH F633	Pacific Salmon Life Histories [d]	3
FISH F674	Economic Development for Fish-dependent Communities [c]	3
PADM S635	Natural Resource Policy [e]	3
RD F625	Community Development Strategies: Principles and Practices [c]	3
	Credits	**12**
Summer		
FISH F690	Marine Policy Internship [f]	3
ACNS F601	Research Methods and Sources in the North [h]	3
	Credits	**6**
	Total Credits	**30**

a This requirement could be met with another approved course in *Analytic Methods*.
b This requirement could be met with another approved course in *Living Marine Resources Management*.
c This requirement could be met with another approved course in *Economics, Development and Sustainability*.
d This requirement could be met with another approved course in *Living Marine Resources*.

e This requirement could be met with another approved course in *Law and Policy*.
f This requirement could be met with another approved internship.
g This requirement could be met with FISH F698.
h This requirement could be met with another approved elective.

Program Learning Outcomes

< Back to Department (https://catalog.uaf.edu/academic-departments/fisheries/)

Program learning outcomes are measurable statements that describe knowledge or skills achieved by students upon completion of the program.

Students graduating with this program will be able to demonstrate:

- Multidisciplinary Breadth: By mastering foundational concepts in the Core Areas of Living Marine Resources and their Management, Analytic Methods, Law and Policy, and, Economics, Development, and Sustainability, graduates will become effective members of policy analysis teams. Disciplinary Depth: By completing a concentration in one of the Core Areas, graduates will be able to contribute subject matter expertise to policy analysis teams. Analytic Depth: By mastering analytic tools applied to the prospective or retrospective analysis of public policies related to living marine resources, graduates will be able to contribute analytic expertise to policy analysis teams.
- Firsthand Experience: By completing an internship within federal, state, local, or tribal government, a marine-dependent industry, or a marine-focused NGO engaged in the design, analysis, or shaping of marine policy, graduates will have gained firsthand experience developing and assessing policies that affect the marine environment, its living resources, and the people who depend on them.
- Integrative Capacity: Graduates demonstrate a Master's-level capacity to interpret, synthesize, and apply their coursework and internship experience to the analysis of marine policy issues.
- Career Readiness: Students will be prepared to compete for professional positions in state and federal marine resource management agencies, tribes and tribal organizations, non-governmental organizations, and private industry.