# Fisheries Ph.D.

## **Program Requirements**

Catalog Department Overview # (https://catalog.uaf.edu/academicdepartments/fisheries/)

## Minimum Requirements for Fisheries Ph.D.: 36 credits

Credits

18

General University Requirements				
Complete the graduate general university requirements. https://catalog.uaf.edu/phd/#gurphdtext)				
Ph.D. Degree Requirements				
Complete the Ph.D. degree requirements. (https://				
catalog.uaf.edu/phd/#phdrequirementstext)				
As part of the Ph.D. rec	quirements, complete the following:			
FISH F699	Thesis(18 credits)			
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#### **Fisheries Program Requirements**

Complete at least 18 credits of coursework	18
Complete a thesis.	
Total Credits	36

**Note**: At least 9 of the required 18 non-thesis Ph.D. degree credits must be at the F600 level, other courses must be at least at the F400 level.

## **Admission Requirements**

Complete the following general university admission requirements for graduate programs (https://catalog.uaf.edu/getting-started/admission/#graduatedegreetext).

- 1. Submit an application for admission
- 2. Submit official transcripts
- 3. Official test results: GRE scores are <u>not required</u>, but may be considered if submitted
- 4. Submit resume/curriculum vitae
- 5. Submit statement of academic goals
- 6. Submit 3 letters of recommendation

<u>International Students</u>: Please consult UAF's most recent application requirements regarding English language proficiency (https://catalog.uaf.edu/getting-started/admission/#english).

#### Additional program admission requirements and information:

 Complete a master's degree in a fisheries-related field or meet the requirements as outlined below to be accepted directly into a Ph.D. program without a master's degree.

Admission to Ph.D. Program Directly from Bachelor's Program:

Entering graduate students whose highest earned degree is the baccalaureate are normally admitted as Master of Science students. However, exceptionally able and accomplished students in this category are eligible for direct admission to the Ph.D. program. Criteria for direct admission to the Ph.D. program from the baccalaureate are:

1. Endorsement by proposed chair of graduate advisory committee AND 2 or 3 below.

- 2. At least one first-authored manuscript published or accepted for publication in a peer-reviewed scientific journal or receipt of an NSF, NIH, or similar prestigious pre-doctoral fellowship. OR
- Demonstrated research proficiency (e.g. undergraduate thesis, Research Experiences for Undergraduates or other intensive research experience) documented in the application AND either
  - a. attained a GPA of at least 3.5 at the undergraduate level, or
  - b. scored at the 80% level in two of three categories in the GRE.

Students who elect this route must fulfill course requirements as outlined for both the M.S. and Ph.D. degrees. Applicants who do not meet these criteria may enter the graduate program as M.S. candidates, and in exceptional cases may petition for conversion to the Ph.D. program after advancement to candidacy (for the M.S.). Such petitions must be approved both by the student's current (M.S.) and proposed (Ph.D.) advisory committee and the department director or designee.

## Roadmaps

Catalog Department Overview # (https://catalog.uaf.edu/academicdepartments/fisheries/)

Roadmaps provide suggested semester-by-semester study plans for programs and are based on full-time enrollment, unless otherwise specified.

- This roadmap should be used in conjunction with regular academic advising sessions. All students are encouraged to meet with their advisor or mentor each semester.
- Certain courses and milestones must be completed in the specified semester to ensure on-time graduation.
- Transfer credits may affect the roadmap.
- Requirements, course availability, and sequencing may change.
- Courses marked with (\*) are recommended.

#### First Year

Fall	Credits Spring	Credits
FISH F699 <sup>18</sup>	6 FISH F699 <sup>18</sup>	6
Program Elective	3 Program Elective	3
	9	9
Second Year		
Fall	Credits Spring	Credits
FISH F699 <sup>18</sup>	3 FISH F699 <sup>18</sup>	3
Program Elective	3 Program Elective	3
Program Elective	3 Program Elective	3
	9	9

#### Total Credits 36

## Footnote Definitions

General Education Requirements	Degree Requirements	Program & Other Requirements
1–Communication	8—Alaska Native-themed	20—Program Requirement
2–Arts	9–Communication	21–Capstone Requirement
3–Humanities	10–Computation	22–Concentration Course
4—Social Sciences	11-Ethics	23–General Elective

5—Additional Arts, Humanities or Social Sciences	12—Humanities	24—Minor Course
6-Mathematics	13—Human Relations	25–Upper Division
7–Natural Sciences	14—Humanities or Social Sciences	26—Program Elective
	15—Library & Information Research	
	16-Mathematics	
	17—Natural Sciences	
	18-Other	
	19—Social Sciences	

### **Learning Outcomes**

Catalog Department Overview # (https://catalog.uaf.edu/academicdepartments/fisheries/)

Learning Outcomes are specific, measurable statements that define the knowledge and skills students will gain by the end of the program.

Graduates of this program will be able to:

- Develop a written dissertation that includes publishable scientific papers using clear language, logic, and convincing arguments
- Deliver a professional oral presentation and respond to questions with confidence
- Display mastery of relevant knowledge of fishery science in a range of subject areas identified by the committee
- Be experts in the subject area of their dissertation
- Recognize assumptions, evaluate arguments and draw conclusions
- Demonstrate mastery in data collection, analysis, interpretation and reporting
- Be prepared to teach fisheries science courses in universities and fouryear colleges, at the upper-division and graduate levels
- Be prepared to compete successfully for senior professional career positions
- Demonstrate the ability to prepare and publish peer-reviewed manuscripts in professional journals