

# Biological Sciences M.S.

## Program Requirements

Catalog Department Overview # (<https://catalog.uaf.edu/academic-departments/biology-wildlife/>)

## Minimum Requirements for Biological Sciences M.S.: 30 credits

Credits

### General University Requirements

Complete the graduate general university requirements. (<https://catalog.uaf.edu/masters/#gurmastersdegreertext>)

### Master's Degree Requirements

Complete the master's degree requirements. (<https://catalog.uaf.edu/masters/#typesofmastersdegrees>)

As part of the master's degree requirements, complete the following:

BIOL F699	Thesis	6-12
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### Biological Sciences Program Requirements

Complete at least one of the following: 3

BIOL/WLF F602	Research Design	
BIOL/WLF F604	Scientific Writing, Editing and Revising in the Biological Sciences	
BIOL/WLF F680	Data Analysis in Biology	

Additional committee-approved coursework 15-21

Complete and pass the departmental written and oral master's comprehensive examination

**Total Credits** 30

## Admission Requirements

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

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

**International Students:** 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:

- Unofficial transcripts may be suitable for initial review of the application. Official transcripts must follow prior to matriculation
- The statement of goals should be specific, informative, focused and concise. The statement should address the following:
  - Career aspirations
  - Research interests

- Research experience and relevant training
- Interest, experience, and/or plans to serve society through your career
- Relevance of UAF Biology and Wildlife in achieving your future goals, including the names of faculty members you have contacted regarding graduate training
- Letters of reference should be from individuals who can address your potential to succeed in graduate school. Ideally, letters of reference should come from university faculty, research staff, or professionals familiar with your academic and research achievements and also with the expectations of graduate school. References are asked to address writing ability, critical thinking skills, quantitative skills, and potential to succeed in a graduate program. References that address notable service (e.g., Peace Corps or AmeriCorps) may also be informative.

See the Biology and Wildlife website (<https://www.uaf.edu/bw/>) for more detailed instructions about applying to our programs.

**Note:** Students are typically not admitted to the program unless a faculty advisor has agreed to serve as the mentor. Applicants should contact potential advisors before applying.

## Roadmaps

Catalog Department Overview # (<https://catalog.uaf.edu/academic-departments/biology-wildlife/>)

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
BIOL F602, F604, F680, WLF F602, WLF F604, or WLF F680 <sup>20</sup>	3 Program Elective	3
Program Elective	3 Program Elective	3
Program Elective	3 Program Elective	3
	<b>9</b>	<b>9</b>

### Second Year

Fall	Credits Spring	Credits
BIOL F699 <sup>18</sup>	9 BIOL F699 <sup>18</sup>	3
	<b>9</b>	<b>3</b>

**Total Credits 30**

### 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/academic-departments/biology-wildlife/>)

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:

- Demonstrate mastery of biological knowledge in subject areas related to the student's thesis research
- Create biological knowledge through research
- Communicate effectively in oral and written form
- Obtain employment in biology, continue on to further education or otherwise meet personal objectives for completing the degree