

# FRESHWATER AND MARINE SCIENCES, MS

## REQUIREMENTS

### MINIMUM GRADUATE SCHOOL REQUIREMENTS

Review the Graduate School minimum degree requirements (<https://guide.wisc.edu/graduate/#requirements>) and policies (<https://guide.wisc.edu/graduate/#policies>), in addition to the program requirements listed below.

### MAJOR REQUIREMENTS

#### MODE OF INSTRUCTION

Face to Face	Evening/ Weekend	Online	Hybrid	Accelerated
Yes	No	No	No	No

#### Mode of Instruction Definitions

**Accelerated:** Accelerated programs are offered at a fast pace that condenses the time to completion. Students typically take enough credits aimed at completing the program in a year or two.

**Evening/Weekend:** Courses meet on the UW-Madison campus only in evenings and/or on weekends to accommodate typical business schedules. Students have the advantages of face-to-face courses with the flexibility to keep work and other life commitments.

**Face-to-Face:** Courses typically meet during weekdays on the UW-Madison Campus.

**Hybrid:** These programs combine face-to-face and online learning formats. Contact the program for more specific information.

**Online:** These programs are offered 100% online. Some programs may require an on-campus orientation or residency experience, but the courses will be facilitated in an online format.

### CURRICULAR REQUIREMENTS

#### Requirement Detail

Minimum Credit Requirement	30 credits
Minimum Residence Credit Requirement	16 credits
Minimum Graduate Coursework Requirement	15 credits must be graduate-level coursework. Refer to the Graduate School: Minimum Graduate Coursework (50%) Requirement policy: <a href="https://policy.wisc.edu/library/UW-1244">https://policy.wisc.edu/library/UW-1244</a> ( <a href="https://policy.wisc.edu/library/UW-1244/">https://policy.wisc.edu/library/UW-1244/</a> ).
Overall Graduate GPA Requirement	3.00 GPA required. Refer to the Graduate School: Grade Point Average (GPA) Requirement policy: <a href="https://policy.wisc.edu/library/UW-1203">https://policy.wisc.edu/library/UW-1203</a> ( <a href="https://policy.wisc.edu/library/UW-1203/">https://policy.wisc.edu/library/UW-1203/</a> ).

**Other Grade Requirements:** Students must earn a B or above in all courses applied to degree requirements.

**Assessments and Examinations:** A formal thesis is required.

**Language Requirements:** No language requirements.

### REQUIRED COURSES

MS students in the Freshwater and Marine Sciences program must complete courses and seminars to satisfy the minimum credit requirement for the degree. Some common graduate level coursework examples are listed below. Specific courses are approved by the student's advisor or advisory committee and depend on the student's research area, interests, and goals.

Code	Title	Credits
Graduate Seminars		

Common coursework examples include:	3-4
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ZOOLOGY/ ATM OCN/ BOTANY/ CIV ENGR/ ENVIR ST/ GEOSCI 911	Limnology and Marine Science Seminar
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ZOOLOGY 955	Seminar-Limnology
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#### Research Credits

Common coursework examples include:	9-11
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ATM OCN 990	Research
BOTANY 995	Research-Plant Ecology
CIV ENGR 790	Master's Research or Thesis
ENVIR ST 990	Research
F&W ECOL 990	Research and Thesis
GEOSCI 990	Research
MICROBIO 990	Research
PATH-BIO 990	Research
PLANTSCI 990	Research
SOIL SCI 990	Research
ZOOLOGY 990	Research

#### Graduate Level Coursework

At least 50% of credits must be in courses designated as graduate level coursework ("Grad 50%" attribute).	15
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Common coursework examples include:

CIV ENGR 415	Hydrology
CIV ENGR 500	Water Chemistry
F&W ECOL/ STAT 571	Statistical Methods for Bioscience I
F&W ECOL/ ZOOLOGY 660	Climate Change Ecology
F&W ECOL/ ENTOM 711	Multivariate Analysis of Ecological and Community Data
ZOOLOGY/ ENTOM 540	Theoretical Ecology

ZOOLOGY/ BOTANY 725	Ecosystem Concepts
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**Total Credits**

**30**