

# ATMOSPHERIC AND OCEANIC SCIENCES: RESEARCH PROGRAM, MS

## REQUIREMENTS

### MINIMUM GRADUATE SCHOOL REQUIREMENTS

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

### NAMED OPTION 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

Minimum  
Residence  
Credit  
Requirement

Minimum  
Graduate  
Coursework  
Requirement

15 credits must be graduate-level coursework. Refer to the Graduate School: Minimum Graduate Coursework (50%) Requirement policy: <https://policy.wisc.edu/library/UW-1244> (<https://policy.wisc.edu/library/UW-1244/>).

Overall  
Graduate  
GPA  
Requirement

3.00 GPA required.  
Refer to the Graduate School: Grade Point Average (GPA) Requirement policy: <https://policy.wisc.edu/library/UW-1203> (<https://policy.wisc.edu/library/UW-1203/>).

Other Grade  
Requirements

A grade of B or greater is required for the 12 credits of lecture courses in the department numbered 400 or above.

Assessments  
and  
Examinations

A master's thesis is required, and must be approved by the major professor and two additional faculty members. A public oral presentation of the thesis research is required.

Language  
Requirements

No language requirements.

### REQUIRED COURSES

There is a set of five core courses which are highly recommended as a good foundation for graduate degrees in the Department of Atmospheric and Oceanic Sciences. A GPA of 3.0 must be maintained for both options.

The following is a listing of the core courses:

Code	Title	Credits
ATM OCN 610	Geophysical Fluid Dynamics I	3
ATM OCN 611	Geophysical Fluid Dynamics II	3
ATM OCN 630	Introduction to Atmospheric and Oceanic Physics	3
ATM OCN 640	Radiation in the Atmosphere and Ocean	3
ATM OCN 660	Introduction to Physical Oceanography	3

In consultation with their advisor, every student seeking a MS degree, will design a curriculum that must be approved by their advisor.

- 12 of the credits must be taken in the department as lecture courses numbered 400 or above. Seminars, research, independent study or directed reading courses do not satisfy this requirement. A grade of B or greater is required for these 12 credits.
- An additional 12 (at least) credits may be taken in or out of the department. These credits can include seminars, core courses, and other courses taken as a graduate student. Research credits do not count toward this requirement.
- Up to 6 research credits in the department can be counted (but are not required) toward the 30 credit requirement.