

# ATMOSPHERIC AND OCEANIC SCIENCES, PH.D.

## 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.

### 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	51 credits
Minimum Residence Credit Requirement	32 credits
Minimum Graduate Coursework Requirement	26 credits must be graduate-level coursework. Details can be found in the Graduate School's Minimum Graduate Coursework (50%) policy ( <a href="https://policy.wisc.edu/library/UW-1244">https://policy.wisc.edu/library/UW-1244</a> ).

Overall	3.00 GPA required.
Graduate GPA Requirement	This program follows the Graduate School's 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 All grades must be C or better to count towards the degree.

Assessments and Examinations	Students wishing to pursue a Ph.D. should complete the advancement process prior to forming a Ph.D. committee. For more information about the Advancement Process, see: Advancement Process ( <a href="https://www.aos.wisc.edu/academics/graduate/advancement-process">https://www.aos.wisc.edu/academics/graduate/advancement-process</a> ( <a href="https://www.aos.wisc.edu/academics/graduate/advancement-process/">https://www.aos.wisc.edu/academics/graduate/advancement-process/</a> )).
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Ph.D. students are required to complete a preliminary examination by the Ph.D. committee prior to becoming a Ph.D. candidate. Prior to the preliminary examination the student works with the major professor to define an appropriate research topic. This topic is written into a several page research proposal that is given to the Ph.D. committee members a few weeks prior to the preliminary examination.

Language Requirements No language requirements.

Graduate School Breadth Requirement	All doctoral students are required to complete two broadening requirements: a doctoral minor or Graduate/Professional certificate, and a supplemental requirement. Minor requirement:
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A minor program consists of Option A (external) 9 or more course credits in one discipline or Option B (distributed) 9 or more credits in one or more departments and can include coursework in the major department. Selection of Option A requires approval of the minor department. Selection of Option B requires approval of the major department. The department monitors minor requirements.

Supplemental requirement:

The supplemental requirement is specified by the Ph.D. committee during the first Ph.D. committee meeting. Examples include (but are not limited to): an augmented minor, substantial foreign language skill, significant professional or field experience, or interdisciplinary coursework.

### REQUIRED COURSES

Code	Title	Credits
<b>Core Courses</b>		<b>15</b>
At least 15 credits are from lecture courses numbered 600 or above in the department. Seminars, research credits, and audited courses are not included.		
ATM OCN 900	Seminar-Meteorology	1-2
<b>Breadth</b>		<b>9</b>
These credits may be from the department, but cannot be used to satisfy the Core Courses requirement.		
<b>Additional Credits</b>		<b>25+</b>

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Students choose additional courses in consultation with their advisor. Most additional credits are made up of 990 research credits.

**Total Credits** **51**