



OFFICE OF THE PRESIDENT

December 9, 2011

Dean Lisa J. Graumlich
College of the Environment
Box 355679

Dear Lisa:

Based on the recommendation of its Subcommittee on Admissions and Programs, the Faculty Council on Academic Standards has recommended approval of the revised program requirements for the Bachelor of Science degree in Atmospheric Sciences. A copy of the change is attached.

I am writing to inform you that the Department of Atmospheric Sciences is authorized to specify these requirements beginning winter quarter 2012.

The new requirements should be incorporated in printed statements and in individual department websites as soon as possible. The *General Catalog* website will be updated accordingly by the Registrar's Office.

Sincerely yours,

A handwritten signature in black ink that reads "Michael K. Young".

Michael K. Young
President

Enclosure

cc: Ms. Samantha Scherer (with enclosure)
Mr. Robert Corbett (with enclosure)
Dr. Deborah H. Wiegand (with enclosure)
Ms. Virjean Edwards (with enclosure ATMS-20111012)



UNIVERSITY OF WASHINGTON
**CREATING AND CHANGING UNDERGRADUATE
 ACADEMIC PROGRAMS**

OCT 28 2011
 OFFICE USE ONLY
 Control #
 ATM S - 20111012

After college/school/campus review, send a signed original and 8 copies to the Curriculum Office/FCAS, Box 355850.
 For information about when and how to use this form: <http://depts.washington.edu/uwcr/1503instructions.pdf>

College/Campus College of the Environment	Department/Unit Atmospheric Sciences	Date 10/12/11
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New Programs

- Leading to a Bachelor of ___ in ___ degree.
- Leading to a Bachelor of ___ degree with a major in ___.
- Leading to a ___ Option within the existing major in ___.
- Leading to a minor in ___.

Changes to Existing Programs

- New Admission Requirements for the Major in ___ within the Bachelor of ___.
- Revised Admission Requirements for the Major in ___ within the Bachelor of ___.
- Revised Program Requirements for the Major in ___ within the Bachelor of Science
- Revised Requirements for the Option in Meteorology within the major in Atmospheric Sciences.
↑ track
- Revised Requirements for the Minor in ___.

Other Changes

- Change name of program from ___ to ___.
- New or Revised Continuation Policy for ___.
- Eliminate program in ___.

Proposed Effective Date: **Quarter:** Autumn Winter Spring Summer **Year: 20 12**

Contact Person: Samantha Scherer	Phone: 3-4576	Email: sam@atmos.washington.edu	Box: 351640
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EXPLANATION OF AND RATIONALE FOR PROPOSED CHANGE

For new program, please include any relevant supporting documentation such as student learning outcomes, projected enrollments, letters of support and departmental handouts. (Use additional pages if necessary).

We are proposing to add ATM S 444 Design & Application of Ensemble Prediction Systems (4cr) to the Meteorology option within the Atmos Sci major. Probabilistic forecasting is the future of weather prediction. To insure our students are prepared for the inevitable shift to such approaches requires that we provide them with the essential background in forecast uncertainty and probabilistic prediction. Thus, this course is being added to the undergraduate curriculum in atmospheric sciences. It will build upon the the weather prediction class (ATMS 452) that is already in place, a class that stresses more foundational and deterministic approaches. A lack of time in 452 has not allowed sufficient coverage of important probabilistic concepts and practice in actual forecasting exercises. The new class will be closely coordinated with 452 to insure students receive a rigorous and broad background in the foundations of weather prediction and the application of this knowledge to real-world situations.

OTHER DEPARTMENTS AFFECTED

List all departments/units/ or co-accredited programs affected by your new program or changes to your existing program and acquire the signature of the chair/director of each department/unit listed. Attach additional page(s) if necessary. *See online instructions.

Department/Unit:	Chair/Program Director:	Date:
Department/Unit:	Chair/Program Director:	Date:

CATALOG COPY

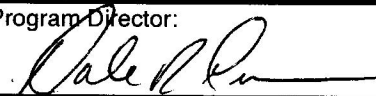
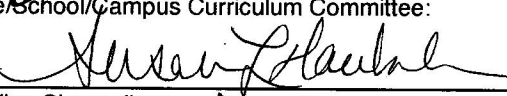
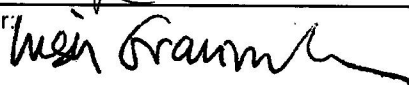
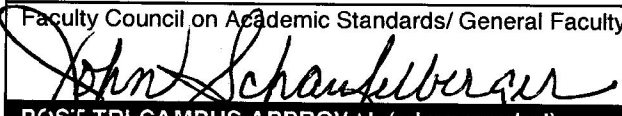
Catalog Copy as currently written. Include only sections/paragraphs that would be changed if your request is approved. Please cross out or otherwise highlight any deletions.

PROPOSED CATALOG COPY

Reflecting requested changes (Include exact wording as you wish it to be shown in the printed catalog. Please underline or otherwise highlight any additions. If needed, attach a separate, expanded version of the changes that might appear in department publications).
Please note: all copy will be edited to reflect uniform style in the General Catalog.

~~No change to catalog copy.~~

APPROVALS

Chair/Program Director: 	Date: 10/12/11
College/School/Campus Curriculum Committee: 	Date: 10/19/11
Dean/Vice Chancellor: 	Date: 10/25/11
Faculty Council on Academic Standards/ General Faculty Organization/Faculty Assembly Chair: 	Date: DEC. 2, 2011

POST TRI-CAMPUS APPROVAL. (when needed)

Current:

Major Requirements

90 credits as follows:

1. *Core requirements* (70 credits for the major plus 5 for QSR): MATH 124, MATH 125, MATH 126; MATH 324; PHYS 121, PHYS 122, PHYS 123; AMATH 301, AMATH 351, AMATH 353; CSE 142; ATM S 301, ATM S 321, ATM S 340, ATM S 341, ATM S 358, ATM S 370, ATM S 431, ATM S 441
2. *Area of specialization*: 18 to 20 credits of additional coursework at the 200 level or above, selected in consultation with the faculty adviser. Suggested options include meteorology, atmospheric chemistry and air quality, and climate.
3. A grade of 2.0 or better in each of the required courses and an overall GPA in these courses of 2.50.

Proposed:

Major Requirements

90 credits as follows:

1. *Core requirements* (70 credits for the major plus 5 for QSR): MATH 124, MATH 125, MATH 126; MATH 324; PHYS 121, PHYS 122, PHYS 123; AMATH 301, AMATH 351, AMATH 353; CSE 142; ATM S 301, ATM S 321, ATM S 340, ATM S 341, ATM S 358, ATM S 370, ATM S 431, ATM S 441
2. *Area of specialization*: 18 to 20 credits of additional coursework at the 200 level or above, selected in consultation with the faculty adviser. Suggested **areas of specialization** include meteorology, atmospheric chemistry and air quality, and climate.
3. A grade of 2.0 or better in each of the required courses and an overall GPA in these courses of 2.50.

For DARS:

Require ATM S 444 for the Meteorology area of specialization and to the overall approved list of upper division ATM S electives.