



OFFICE OF THE PRESIDENT

May 29, 2012

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 autumn 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-20120412)



UNIVERSITY OF WASHINGTON

CREATING AND CHANGING UNDERGRADUATE ACADEMIC PROGRAMS

MAY 15 2012

1 copy

After college/school/campus review, send a signed original and 3 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 Environment - Seattle	Department/Unit Atmospheric Sciences	Date 4/12/12
New Programs		
<input type="checkbox"/> Leading to a Bachelor of _____ in _____ degree. <input type="checkbox"/> Leading to a Bachelor of _____ degree with a major in _____ <input type="checkbox"/> Leading to a _____ Option within the existing major in _____ <input type="checkbox"/> Leading to a minor in _____		
Changes to Existing Programs		
<input type="checkbox"/> New Admission Requirements for the Major in _____ within the Bachelor of _____ <input type="checkbox"/> Revised Admission Requirements for the Major in _____ within the Bachelor of _____ <input checked="" type="checkbox"/> Revised Program Requirements for the Major in <u>Atmospheric Sciences</u> within the Bachelor of <u>Science</u> <input checked="" type="checkbox"/> Revised Requirements for the Option in <u>Atmospheric Chemistry & Air Quality</u> within the major in <u>Atmospheric Sciences</u> <input type="checkbox"/> Revised Requirements for the Minor in _____		
Other Changes		
<input type="checkbox"/> Change name of program from _____ to _____ <input type="checkbox"/> New or Revised Continuation Policy for _____ <input type="checkbox"/> Eliminate program in _____		
Proposed Effective Date: Quarter: <input checked="" type="checkbox"/> Autumn <input type="checkbox"/> Winter <input type="checkbox"/> Spring <input type="checkbox"/> Summer Year: <u>20 12</u>		

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).

The goal of the proposed changes is to enhance the offerings of atmospheric chemistry and air quality courses to undergraduate majors in ATM S interested in the "Atmospheric Chemistry and Air Quality track". These changes will make the course requirements more relevant to the expected career options for students selecting this track. To do this we are replacing some of our required courses that are more relevant to our "Weather" track with more chemistry and air quality focused courses mainly in ATM S, CEE and CHEM. Also, instead of requiring STAT 390, the students will have a choice between STAT 390 and Q Sci 381. Both of these courses will give the students the necessary background in probability and statistics while giving them more flexibility in their course scheduling. Please see attached supporting documentation for required courses.


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: Chemistry	Chair/Program Director: 	Date: 4/18/12
Department/Unit: CEE	Chair/Program Director: 	Date: 4/23/12

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: Q Sci	Chair/Program Director: 	Date: 4-26-12
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.

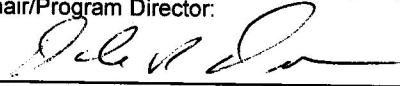
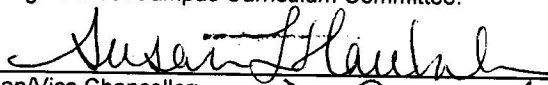
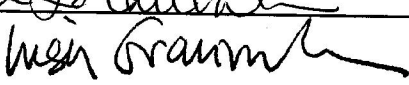

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PROPOSED CATALOG COPY

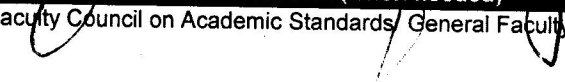
Reflecting requested changes (Include exact wording as you wish it to be shown in the printed catalog. Please underline or otherwise highlight any additions. If needed, attach a separate, expanded version of the changes that might appear in department publications). **Please note:** all copy will be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

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APPROVALS

Chair/Program Director: 	Date: 4/13/12
College/School/Campus Curriculum Committee: 	Date: 5/1/12
Dean/Vice Chancellor: 	Date: 5/14/12
Faculty Council on Academic Standards/ General Faculty Organization/Faculty Assembly Chair: 	Date: MAY 25, 2012

POST TRI-CAMPUS APPROVAL (wher. needed)

Faculty Council on Academic Standards/ General Faculty Organization/Faculty Assembly Chair: 	Date:
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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 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

Proposed

Major Requirements

Minimum of 94 credits as follows:

1. Core requirements (**55 credits**): MATH 124, MATH 125, MATH 126; PHYS 121, PHYS 122, PHYS 123; ATM S 301, ATM S 321, ATM S 340, ATM S 341, ATM S 358, ATM S 370, ATM S 431.
2. Area of specialization: **39-58** 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.

Atmos Courses
Core and Specialization Requirements

PROPOSED - AUTUMN 2012

CORE COURSES	CR
PRE-REQS	
MATH124	5
MATH125	5
MATH126	5
PHYS121	5
PHYS122	5
PHYS123	5
	30
ATMS CORE	
ATMS301	5
ATMS321	3
ATMS340	3
ATMS341	3
ATMS358	3
ATMS370	5
ATMS431	3
	25
TOTAL CORE	55

TOTAL CREDITS FOR ATMS DEGREE:
55 core + 39-58 elec = 94-113

ELECTIVES - METEO	CR	
ATMS441	3	
ATMS442	5	
ATMS444	4	
ATMS451	5	
ATMS452	5	
STAT390	4	
AMATH301	4	
CSE142	4	
and		
MATH324	3	
AMATH351	3	
AMATH353	3	
or		
MATH324	3	
MATH307	3	
MATH308	3	
MATH309	3	
TOTAL METEO ELEC*	43-46	<i>*total depends on DiffEq series</i>
ELECTIVES - CLIMATE	CR	
ATMS441	3	
ATMS442	5	
OCEAN200	3	
OCEAN210	3	
ESS431	4	
STAT390	4	
AMATH301	4	
CSE142	4	
and		
MATH324	3	
AMATH351	3	
AMATH353	3	
or		
MATH324	3	
MATH307	3	
MATH308	3	
MATH309	3	
TOTAL CLIM ELEC*	39-42	<i>*total depends on DiffEq series</i>
ELECTIVES - CHEM	CR	
CHEM142	5	
CHEM152	5	
CHEM162	5	
ATM S 220 (twice)	2	
ATMS451	5	
ATMS458	4	
ATMS480	3	
CHEM223	4	
CHEM224	4	
CHEM321	5	
STAT390 or Q SCI 381	4-5	
and 4 elec from list	12-18	
CHEM312	3	
CHEM426	3	
CHEM E 341	3	
CHEM E 468	3	
AMATH301	4	
AMATH351	3	
AMATH352	3	
MATH308	3	
MATH324	3	
ATMS380	3	
ATMS441	3	
ATMS442	5	
ATMS444	4	
ATMS451	5	
ATMS452	5	
ATMS508	4	
ATMS564	3	
TOTAL CHEM ELEC*	58-64	<i>*total depends on electives</i>