MEMORANDUM

TO: Stephen Halperin
    Dean, College of Computer, Mathematical and Physical Sciences

FROM: Victor Korenman
    Associate Provost for Academic Planning and Programs

SUBJECT: Proposal to Convert the Existing Citation in Atmospheric Chemistry to a Minor in Atmospheric Chemistry (PCC Log No. 03047)

At its meeting on September 10, 2004, the Senate Committee on Programs, Curricula, and Courses approved your proposal to convert the existing citation in Atmospheric Chemistry to a Minor in Atmospheric Chemistry. A copy of the approved proposal is enclosed. A copy of the minor curriculum will be posted online at http://www.provost.umd.edu/minors

This approval is effective immediately. No student may be allowed to begin the discontinued Citation program after this time, but students who have already taken or who are taking a course towards the Citation must be permitted to complete it if they so choose. All advisors should be notified and the College should ensure that the approved guidelines are followed.

VK: sfm
Enclosure

Cc: Dr. Sylvester J. Gates, Chair, Senate PCC
    Dr. Mary Giles, University Senate
    Ms. Barbara Hope, Data Administration
    Dr. Phyllis Peres, Undergraduate Studies
    Ms. Anne Turkos, Archives
    Dr. Scott Wolpert, College of Computer, Mathematical and Physical Sciences
    Dr. Linda Yokoi, Records & Registrations
THE UNIVERSITY OF MARYLAND, COLLEGE PARK
PROGRAM/CURRICULUM PROPOSAL

DIRECTIONS: Provide one form with original approval signatures in lines 1 - 4 for each proposed action. Keep this form to one-page in length. Forms and appropriate attachments should be submitted to the Office of Academic Affairs, who will assign a Log Number to each proposal. Additional copies may be required at a later time.

DATE SUBMITTED__

PCC LOG NO. 03 047

COLLEGE/SCHOOL CMPS

DEPARTMENT/PROGRAM METEOROLOGY

PROPOSED ACTION (A separate form for each) ADD_____ DELETE_______ CHANGE_X_

DESCRIPTION (Provide a succinct account of the proposed action. Additional detail may be provided in an attachment. Provide old and new sample programs for curriculum changes.)
This is a proposal to convert an existing citation (Atmospheric Chemistry) into a minor. The transcript will designate the minor as Atmospheric Chemistry.

JUSTIFICATION/REASONS/RESOURCES (Explain the reason for the proposed action. Identify the source of new resources that may be required. Attach additional material if needed.)
This follows the University welcome decision to switch from citations to minors. There is no change in the program and no new resources are needed.

APPROVAL SIGNATURES

1. Department Committee Chair
   Signature: Engineering Kalmeny
   Date: 4/6/04

2. Department Chair
   Signature: [Signature]
   Date: 4/6/04

3. College/School PCC Chair
   Signature: [Signature]
   Date: 4/12/04

4. Dean
   Signature: [Signature]
   Date: 5/6/04

5. Dean of the Graduate School (if required)
   Signature: [Signature]
   Date: __________

6. Chair, Senate PCC
   Signature: [Signature]
   Date: 5/10/04

7. Chair of Senate
   Signature: [Signature]
   Date: 5/10/04

8. Vice President for Academic Affairs & Provost
   Signature: [Signature]
   Date: __________

VPAAP Rev. 2/2/98
Proposal for a Minor in Atmospheric Chemistry to be offered by the Department of Meteorology.

1. This is a proposal to convert an existing citation into a minor. The transcript will designate the minor as Atmospheric Chemistry.

2. Catalog Description

This minor will provide the students with a general background in Meteorology, as offered by the lower level required courses, and a background on issues in Atmospheric Chemistry. This minor track is intended for students who might pursue careers where background in Atmospheric Chemistry is needed, such as Air Pollution, Atmospheric Chemistry, and environmental issues. It is aimed at students that might consider graduate work in Atmospheric Chemistry, or prepare them for the very favorable job market in the Washington area, where a background in Meteorology can be an important asset. Students attempting this minor will need a strong background in Mathematics, Physics and Chemistry at the level of MATH 240 or 461, PHYS 270 and PHYS 271; CHEM 481 (preferred) or CHEM 103, which are prerequisites for the required courses. Students interested in taking this minor program should contact the undergraduate advisor in the Department of Meteorology for advisement. This minor is not open to students who major in Physical Sciences with a concentration in Meteorology, or who major in Physics within the Meteorology Physics area of concentration.

The student must choose two courses from:

- METO 123 Global Change (3)
- METO 200 Weather and Climate (3)
- Any other 400 level courses offered below as electives

The following two courses are required:

- METO 431 Meteorology for Scientists and Engineers I (3)
- METO 434 Air Pollution (3)

One additional elective from

- CHEM 474 (Environmental Chemistry)
- GEOL 471 (Geochemical Methods of Analysis)
- Any 400 level courses offered in the Department of Meteorology approved by the Undergraduate Director.
- Courses offered by the Department of Geology and Geography, such as:
  - GEOL 437 Global Climate Change: Past and Present (3)
  - GEOL 452 Watershed and Wetland Hydrology (3)
  - GEOG 446 Applied Climatology (3)
GEOG 447 Advanced Biogeography (3)
GEOG 472 Remote Sensing (3)
A total of 15 credits is required. All courses presented for the minor must be passed with a grade of “C” or better.

3. Oversight and Record Keeping

Oversight of this minor program will be through the normal academic processes of the Department of Meteorology. The department’s Undergraduate Director will be responsible for ensuring that students are properly advised and that records are appropriately kept.

4. Prerequisites

Although required for the program, MATH 240 or 461, PHYS 270 and PHYS 271, CHEM 103 are not included as specific minor requirements because they are likely already to be parts of the major requirements for students who will be interested in this minor.