DATE SUBMITTED: 4/12/2004

COLLEGE/SCHOOL: CMPS
DEPARTMENT/PROGRAM: GEOL

PROPOSED ACTION (A separate form for each) ADD____ DELETES____
CHANGE X____

DESCRIPTION (Provide a succinct account of the proposed action. Details should be provided in an attachment. Provide old and new sample programs for curriculum changes.)

This is a proposal for the conversion of the Citation in Earth History to a Minor in Earth History. See attached.

JUSTIFICATION/REASONS/RESOURCES (Briefly explain the reason for the proposed action. Identify the source of new resources that may be required. Details should be provided in an attachment.)

To assure compliance with the University Senate’s and President’s mandated phaseout of departmental citations. This change requires no additional resources. See attached.

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APPROVAL SIGNATURES

1. Department Committee Chair  
2. Department Chair
3. College/School PCC Chair
4. Dean  
5. Dean of the Graduate School (if required)
6. Chair, Senate PCC
7. Chair of Senate
8. Vice President for Academic Affairs & Provost

DATE
4/12/04
4/12/04
4/21/04
4/21/04
5/6/04

VPAAP Rev. 3/1/04
MEMORANDUM

May 11, 2004

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 Earth History to a Minor in Earth History (PCC Log No. 03052)

At its meeting on May 6, 2004, the Senate Committee on Programs, Curricula, and Courses approved your proposal to convert the existing citation in Earth History to a Minor in Earth History. A copy of the approved proposal is enclosed.

This approval is effective in Fall, 2004. 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
Proposal for a Minor in Earth History

1. This is a proposal to convert an existing citation into a minor.

2. Catalog Description

This minor will provide students with a sophisticated understanding of the history of the Earth and of Life. Building on a two-course base of fundamental knowledge of Earth history, the program is completed by two advanced courses addressing specific topics in the evolution and interactions of Earth and Life. Students attempting this minor will need a strong background in Chemistry at the level of CHEM 103. Depending on the advanced courses chosen, MATH 115, MATH 220, MATH 140, or GEOL 322 (Mineralogy) may also be prerequisites. This minor will be of particular relevance to students with broad interests in Geology, Biology, Biochemistry, evolutionary sciences, and Climatology.

Courses required for the minor are:

- One of the following:
  - GEOL 100/110 Physical Geology (4)
  - GEOL 120/110 Environmental Geology (4)
- GEOL 102 Historical Geology (4)

In addition, the student must choose three from the following:

- GEOL 331 Principles of Paleontology (4) (N.B.: The change of the title of GEOL 331 from Invertebrate Paleontology to Principles of Paleontology is currently underway)
- GEOL 341 Structural Geology (4)
- GEOL 342 Sedimentation and Stratigraphy (4)
- GEOL 436 Biogeochemistry (3)
- GEOL 437 Global Climate Change: Past and Present (3)

Depending on the optional course taken, there is a total of 18 - 20 required credits (see prerequisites). All courses presented for the minor must be passed with a grade of C or better.

Declared Geology majors and students who have completed the major may not also minor in Earth History.

The proposed curriculum differs from the current Earth History Citation in that:
- It allows students to choose between GEOL 100 and GEOL 120. This is consistent with current revisions to prerequisites in GEOL undergraduate courses.
- Three optional courses are required as opposed to two. GEOL 341, Structural Geology, has been added to this list.
3. Oversight and Record Keeping

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

4. Prerequisites

CHEM 103 is not included as a specific minor requirement because it is likely already to be part of the major requirements for students who will be interested in this minor. MATH 115, MATH 220, MATH 140, and GEOL 322 are omitted because they are not prerequisites for any required course of the minor.