Memorandum

To: Members of the Committee on Academic Policy and Programs
From: Carolyn Tuohy
Date: January 30, 2002

Item Identification

Faculty of Arts and Science (Mississauga Campus) - Proposed Calendar Changes 2002-03

Sponsor

Carolyn Tuohy, Vice-President, Policy Development and Associate Provost

Jurisdictional Information

The Committee has authority for approval of major program and curriculum changes.

Highlights

The Faculty proposes the following changes for approval:

1. New/ re-organized programs:
   - Forensic Science: Chemistry Specialist.
   - Geology Specialist
   - Paleontology Major

Members seeking information on course titles should refer to the UTM website, www.utm.utoronto.ca/academic

Action Sought

Approval of the following motion:

> THAT the proposals for new/ re-organized programs in the Faculty of Arts and Science (University of Toronto at Mississauga), as described in the Faculty's Submission for 2002-03 to the Committee on Academic Policy and Programs dated January 11, 2002 be approved, effective for the academic year 2002-03.

MEMORANDUM

To: Professor Carolyn Tuohy
Vice-President, Policy Development, and Associate Provost
University of Toronto
cc: Ms. Christina Oke
Secretary, Committee on Academic Policy and Programs
From: Robert Baker
Associate Dean (Sciences)
Date: 23 January 2002

RE: Submission to the Committee on Academic Policy and Programs on UTM Division of Science Changes to the 2002-2003 Calendar

Summary of Changes (details of these changes follow this summary).

Three new programs are proposed. Other than the new programs described below, changes include only routine course revisions. These proposals have all gone through four levels of approval: Science Divisional Curriculum Committee (UTM), Academic Affairs (UTM), Erindale College Council (UTM) and Committee on Academic Standards (A&S). Details of programs are presented in Appendix 1.

New Programs

Forensic Science: Chemistry Specialist Program

The program is designed to blend chemistry and biological chemistry in a way that ensures a significant exposure to laboratory and analytical techniques. This proposal addresses concerns of the leadership of the Centre of Forensic Sciences in Toronto who need graduates with sufficient analytical education and skills. New appointments in Chemistry will help support the program.

Geology Specialist Program

This Specialist Program is equivalent to the Geology Specialist program on the St. George campus. The program is recommended for UTM students who wish to pursue graduate studies in Geology or whose goal is to work in the mineral, hydrocarbon or environmental/geotechnical consultancy industries. The program will also prepare the student for registration as a professional geoscientist in most provinces in Canada.

Paleontology Major Program

This Major Program illustrates the interdisciplinary nature of Paleontology by combining core courses in Earth Sciences and Biology in the first, second and third years. Since the Paleontology specialist has been discontinued on the St. George campus, the introduction of the major at UTM will fill the continued need for such a program at the University by drawing on existing strengths at UTM.

Appendix 1. Details on New Programs

Forensic Science: Chemistry Specialist Program

Within an Honours degree. 13.5 credits are required.

Limited Enrollment: CHM 140Y (minimum grade of 65%), MAT 132Y/138Y, minimum GPA of 2.5.

First Year: CHM 140Y ; MAT 132Y / 138Y ; PHY 135Y / 137Y

Higher Years:
1. CHM 211H , 221H , 231H, 241H, 261H ; FSC 239Y
2. CHM 311H , 331H / 333H , 341H / 345H , 347H , 371H / 391H , 393H , (BIO 360H , 361H) / (STA 220H , 221H);
3. CHM 414H , 416H (StG)
4. FSC 481Y (with chemistry focus) / CHM 489Y
5. 1.0 300 / 400 CHM / JCP / FSC courses

Notes:
1. Students are strongly advised to consult program advisors regarding the program of study.
2. Co-requisites for CHM 371H are CHM 361H , 362H.

Geology Specialist Program

13.5 credits are required.

First Year: CHM140Y; MAT132Y/138Y; PHY135Y/137Y; ENV100Y/ERS120H

Second Year: ERS201H, 202H, 203H; 0.5 credit from GGR217H, 214H; PHY237H; AST252H; BIO356H; GLG217H(G); 1.0 credit from CHM211H, 221H, 231H; 1.0 credit from MAT212H, 222H; STA257H, 261H

Third Year: ERS325H; GLG318H(G), 345H(G), 351H(G), 360H(G); ENV315H(G)

Fourth Year
1. GLG 445H
2. 2.5 courses from GLG and ERS 400 level courses.

Paleontology Major Program

8.0 credits are required.

First Year: BIO151Y/(BIO152H, 153H); CHM140Y; MAT132Y/138Y; ENV100Y/ERS120H
Second Year: ERS201H, 202H, 203H; GLG217H(G)
Third and Fourth Year: ERS325H; BIO360H, 356H, 319H/354H; GLG360H(G)

Notes:
The Major Program in Paleontology must be taken as part of an Honours degree. Enrolment in a second Major Program is required. Biology, Earth Science, and Anthropology are recommended, but a major in a different program is possible with approval of the Program Advisor.