To be adopted:

Proposal for an Applied Mathematics, Environmental Sciences option for the Bachelor of Science Degree in Mathematics

Proposed:

MAJOR REQUIREMENTS FOR THE BACHELOR OF SCIENCE DEGREE

1. Lower-division requirements (44 units)
   a) MATH 009A-MATH 009B-MATH 009C, MATH 010A-MATH 010B, MATH 046
   b) CHEM 001A-CHEM 001B-CHEM 001C
   c) CS 010; CS 012 is recommended
   d) ECON 006
   e) GEO 001 is recommended

2. Upper-division core requirement (36 units)
   a) MATH 131, MATH 132, MATH 146A-MATH 146B-MATH 146C, MATH 149A
      b) Three courses from MATH 120, MATH 121, MATH 135A-MATH 135B, MATH 149B-MATH 149C; CS 177; STAT 155

3. Upper-division Environmental Sciences (20 units)
   a) ENSC 100, ENSC 100L, ENSC 101, ENSC 102
      b) Eight (8) additional upper-division units

Justification:

This proposed track within the Bachelor of Science degree program is along the lines of the existing options. It is intended to provide a formalized framework for those students seeking to find applications for mathematics in Environmental Sciences. The Environmental Science courses selected for this option are those with a high concentration of mathematics.

Approved by the Mathematics Faculty on January 29, 1999
Approved by CNAS Executive Committee on April 14, 1999
Approved by Committee on Educational Policy on April 20, 1999