Declaring a Scientific Computation and Modeling Minor

Name ________________________________ Advisor(s) ________________________________

Expected Graduation ______ Major(s) ________________________________ Minor(s) ________________________________

How did you learn about the Scientific Computation and Modeling Minor?

Plans for completing the Scientific Computation and Modeling Minor

Minors in Scientific Computation and Modeling Minors must follow a general outline that allows for a significant individual flexibility. To declare a Scientific Computation and Modeling Minor, fill out the usual Declaration of Minor form and fill out this form and submit it to Pat Buist (Biology Department) or Sharon Gould (Computer Science Department). If you have any questions, please contact your advisor or Professors Pruim or Adams.

1. Introduction to Computation: CS 106 or CS 108 (circle one)

2. CS 112 (Introduction to Data Structures)

3. IS 141 (Computing With Databases)

4. Two of the following courses (circle two):
   - CS 212 (Data Structures and Algorithms)
   - CS 262 (Software Engineering)
   - CS 342 (Database Management Systems)
   - CS 352 (Computer Graphics)
   - CS 374 (High Performance Computing)
   - CS 372 (Numerical Analysis)
   - IS 341 (Database Administration)
   - IS 271 (Intro to Information Systems)

5. An approved interim or 200- or 300-level science or mathematics course that has CS 106 or CS 108 as a prerequisite. As an alternative, students may propose to do an additional programming project in a regularly offered course that does not require computation of all students. Using such a project to meet this requirement does not preclude its use to receive honors credit for a course.

How do you plan to meet this requirement?

6. An approved investigatory project that involves significant scientific programming.

   This requirement can be met in at least four ways:
   (a) via an internship (e.g., CS 394, BIOL 385, CHEM 385)
   (b) via a senior project (e.g., CS 396/398, CHEM 395, PHYS 384/395, MATH 395, GEOL 395)
   (c) via a 300-level investigations course in one of the sciences or mathematics (e.g., BIOL 354)
   (d) via a summer research experience (e.g., BIOL 399, CHEM 397)

How do you plan to meet this requirement?

Signature ________________________________ Date ________________________________