

San Diego State University
Department of Mathematics and Statistics
Advising Information
B.S. APPLIED MATHEMATICS
Emphasis in a Science

Advisors: Dr. Carmelo Interlando, interlan@mail.sdsu.edu, 619-594-7237, GMCS 581
Dr. Joseph Mahaffy, jmahaffy@mail.sdsu.edu, 619-594-3743, GMCS 593

This outline is presented to give math students some information associated with the major in Applied Mathematics with an Emphasis in a Science. It is not intended to replace the advisor. Students should see their adviser as soon as they are ready to plan their upper divisional program. THE SELECTION OF THE UPPER DIVISION WORK MUST BE APPROVED BY THE ADVISOR.

The purpose of this major is to allow students with a strong interest in the mathematics aspects of a particular science to apply courses in that science to their major. A minor is not required with this major.

Upper Division Writing Requirement:

Passing the University Writing Examination or completing one of the approved writing courses with a grade of C (2.0) or better.

Preparation for the Major: Mathematics 150, 151, 245, 254.

Additional lower division coursework required: Computer Science 107 or Mathematics 242, Mathematics 252, Statistics 250. (10 units).

Major: A minimum of 36 upper division units to include Mathematics 337, 534A, 524 or 543, 532 or 534B; at least 6 units selected from Mathematics 521A, 525, 531, 532, 537; 12 units from a science to which mathematics may be applied (these should be from a single science, they must be approved by the B.S. advisor, and at most 6 units out of them may be lower division); at least 6 units of electives in computer science, mathematics, or statistics excluding Math 302; 303; 312; 313; 342a; 342b; 413, 414; 509; 510; Stat 357.

Students must see their advisor and be accepted into the major prior to enrolling in upper division course work. The selection of the upper division work must be approved by the adviser.

Students must complete an outline for major and file a copy, signed by their advisor, with the Evaluations Office and the Mathematics and Statistics Department Office, and keep a copy for their own records.