

APPLIED MATHEMATICS MAJOR, B.S. – 2026-2027

To be admitted to full major status, students must complete the following pre-major Mathematics courses with a UC grade-point average of 2.5 or higher. All pre-major courses and Computer Science 8, 9, 16 or Engineering 3 must be completed with a grade of “C” or better. Preparation Courses are excluded from pre-major GPA, but will apply to the overall major GPA. Entry into the pre-major does not guarantee admission to full major status. While completing required preparation, students are classified as pre-majors.

PRE-MAJOR

UNITS TO COMPLETE

Math 2A-B or 3A-B	8-10 _____
Math 4A-B	8 _____
Math 6A-B	8 _____
Math 8*	5 _____

***Note:** Either Math 4A, 4B, 6A, or 6B must be completed with a grade of “B” or better in order to take Math 8.

PREPARATION FOR THE MAJOR

One course from Computer Science 8, 9, 16 or Engineering 3.....	3-4 _____
One course from Physics 1, 6A, 7A, or 21	3-4 _____

UPPER-DIVISION MAJOR

52 UD units are required, of which a minimum of 40 must be in Mathematics. These units must be distributed as follows:

Math 104A-B, 108A-B, 117	20 _____
Two 2-quarter sequences from: Math 118A-B, 119A-B, or 124A-B	16 _____
Math 104C, 108C, or 118C	4 _____
Math 132A or 137A	4 _____
8 units of upper-division Math or PSTAT electives	8 _____

Elective courses taken: _____

Note: The following courses will NOT apply to the major: Math 100A-B, 193, 195A-B; PSTAT 109, 188, 190, 193.

(With an advisor’s approval, 8 of the 52 UD units may be non-mathematics courses taken as part of a coherent mathematics program.)

MAJOR REGULATIONS

PREREQUISITES	Check the <i>General Catalog</i> for the prerequisites to all listed courses.
P/NP GRADING OPTION	Not allowed for major courses (prep or UD major), including courses applied to the major from other departments.
SUBSTITUTIONS	In the major requirements permissible only by petition to the department chair and dean.
G.P.A REQUIREMENTS	At least 2.0 overall UC average in all upper-division major courses <u>and</u> all courses (Prep and UD) for the major.
DOUBLE MAJORS	With the approval of each department chairperson, up to a total of 8 units may be applied simultaneously to both UD majors.