

**APPLIED MATHEMATICS MAJOR, B.S. – 2025-2026**

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**

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