

MATHEMATICS MAJOR, B.A. – 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 must be completed with a grade of “C” or higher. Preparation courses are excluded from the 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 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.

Note: Math 6A is a prerequisite for several UD mathematics courses. See the *General Catalog*.

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

40 UD units are required, at least 28 of which must be in Mathematics. These units must be distributed as follows:

CONCENTRATION I or II below:

CONCENTRATION I:

Math 108A 4 _____
 Three 2-quarter sequences from Math 104A-B,
 108B, 111A-B, 115A-B, 118A-B, 119A-B,
 122A-B, 124A-B, *either* 132A-B or 108C-132A,
either 137A-B or 116-137A, *either* 147A-B or 145-147A,
 PSTAT 120A-B 20-24 _____
 At least 12 units of upper-division
 Math or PSTAT electives 12-16 _____

COURSES TAKEN: _____

CONCENTRATION II: High School Teaching

Math 101A-B 8 _____
 Math 102A-B 8 _____
 Math 182 4 _____
 PSTAT 120A-B 8 _____
 12 units of upper-division
 Math or PSTAT electives 12 _____

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, 4 of the 40 UD units may be non-mathematics courses taken as part of a coherent mathematics program.)

MAJOR REGULATIONS

PREREQUISITES Check the *General Catalog* 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 **and** **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.