MATHEMATICS MAJOR, B.A. – 2024-2025

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

<table>
<thead>
<tr>
<th>COURSE</th>
<th>UNITS TO COMPLETE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math 2A-B or 3A-B</td>
<td>8-10</td>
</tr>
<tr>
<td>Math 4A-B</td>
<td>8</td>
</tr>
<tr>
<td>Math 8*</td>
<td>5</td>
</tr>
</tbody>
</table>

*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
At least 12 units of upper-division
Math or PSTAT electives .............................................. 12-16

**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, 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.
PNP 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.