MATHEMATICS OF COMPUTATION B.S.

PRE-MAJOR: 13 COURSES
Students can declare the pre-major at any time while in good academic standing.

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<tr>
<th>Quarter</th>
<th>Grade</th>
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<tbody>
<tr>
<td>MATH 31A*</td>
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<td>CHEM 20A</td>
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<tr>
<td>MATH 31B*</td>
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<td>CHEM 20B</td>
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<td>MATH 32A*</td>
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<td>PHYSICS 1C</td>
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<td>MATH 32B*</td>
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<td>MATH 61</td>
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<td>PHYSICS 1A</td>
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<td>PIC 10A</td>
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*The mathematics sequenced courses are calculated separately from the other preparation for the major courses and must be completed with a minimum overall 2.5 grade-point average and a grade of “C” or better in each course. Repetition of more than two mathematics sequenced courses, or of any mathematics sequenced course more than once, results in automatic dismissal from the major.

Acceptable substitutions for pre-major requirements:
CS 31 for PIC 10A, CS 32 for PIC 10B, [CS 33 AND CS 35L] for PIC 10C

Completing PIC 10ABC will meet the requisite for some CS courses that require CS 32. Additional classes might have to be taken to meet other requisites. For more information and help with enrollment in CS courses, contact Engineering.

THE MAJOR: 14 COURSES
Students must declare the major before reaching 160 units (not including AP).

<table>
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<th>Quarter</th>
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<tbody>
<tr>
<td>MATH 115A*</td>
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<tr>
<td>MATH 131A*</td>
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<td>MATH 131B or MATH 132</td>
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<td>MATH 151A</td>
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<td>MATH 151B</td>
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Three upper division Computer Science courses:
1. -------
2. -------
3. -------

*Students must pass this course with a “C-” or better. It is strongly recommended that students take MATH 115A as one of their first upper division courses before MATH 131A.

All required courses for the major must be at least 4.0 units and taken for a letter grade, unless the class is a supplement to a larger course (e.g. a required lab).

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