NAME_____

Date_____Perm #_____

Note: See Major Progress Check on GOLD

for full list of all degree requirements.

APPLIED MATHEMATICS MAJOR, B.S. – 2023-2024

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, 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 <u>NOT</u> apply to the major: Math 100A-B, 193, 195A-B; PSTAT 109, 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 *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 <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.