Preliminary Degree Check

MAJOR in MATHEMATICS-Probability & Statistics (MA35)

Name: ________________________  PID: ________________
Admit quarter: ________________  Graduating Quarter: ________________
Major GPA: __________________

Lower-Division Requirements

Mathematics (24 units total):
1. Math 20A Calc for Sci & Eng ...........................................
2. Math 20B Calc for Sci & Eng ...........................................
4. Math 20D Intro to Diff. Eqs ...........................................
5. Math 20E/31CH Vector Calculus ....................................
6. Math 20F/31AH Linear Algebra ....................................

One of the following:
MAE 9 C/C++ Programming ...........................................
CSE 8A-8AL-8B Intro to Comp Sci: Java ..............................
CSE 11 Intro to Comp Sci: Java (Accelerated Pace) ............

Upper-Division Requirements

At least 15 upper-division courses must be completed in Mathematics as outlined below, except:
Up to 2 courses may be outside the department in an approved applied mathematical area. A petition approved by a Probability/Statistics math advisor is required. No such units may also be used for a minor or program of concentration.

1. Math 109 Mathematical Reasoning (should be taken in sophomore year)
2. One of the following:
   Math 102 Applied Linear Algebra
   OR Math 170A Numerical Linear Algebra
3. One of the following sequences:
   (should be taken in junior year)
   Math 140A-B Foundations of Real Analysis
   OR Math 142A-B Introduction to Analysis
4. One of the following:
   Math 174 Numerical Methods in Sci & Eng
   (Duplication of credit with Math 170A)
   OR Math 170A-B Intro to Numerical Analysis

5. Probability & Stochastic Processes: Math 180A-B-C
7. At least one of the following:
   Math 181C, 181E, 193A, 193B, 194
8. Computational Statistics: Math 185
9. Upper-division electives to complete 15 courses to be chosen from:

1. Math ________  (4 units) ...........................................
2. Math ________  (4 units) ...........................................
3. Math ________  (4 units) ...........................................
4. Math ________  (4 units) ...........................................
5. Math ________  (4 units) ...........................................
6. Math ________  (4 units) ...........................................
7. Math ________  (4 units) ...........................................
8. Math ________  (4 units) ...........................................
9. Math ________  (4 units) ...........................................

Other Dept (or Math) Course Selections

Mathematics Department Evaluation

Comments:

Advisor: ____________________________  Date: ________________

19. 2010-2011