

Department of Mathematics, University of California, San Diego

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
3. Math 20C/31BH Calc & Analyt. Geom
4. Math 20D Intro to Diff. Eqs
5. Math 20E/31CH Vector Calculus
6. Math 20F/31AH Linear Algebra

One of the following:

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| 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 an Probability/Statistics math advisor is required. No such units may also be used for a minor or program of concentration.

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| <ol style="list-style-type: none"> 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 | <ol style="list-style-type: none"> 5. Probability & Stochastic Processes: Math 180A-B-C 6. Mathematical Statistics: Math 181A-B 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:
 Math 100A-B-C, 103A-B, 110A-B, 120A-B, 130A,
 140C, 152 (only once), 154, 155A, 170A-B-C, 171A-B,
 175, 176 (CSE100), 179, 181C, 181E, 184A, 187,
 188(CSE101), 193A-B, 194. |
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| <ol style="list-style-type: none"> 1. Math <u>109</u> (4 units) 2. Math _____ (4 units) 3. Math _____ (4 units) Math _____ (4 units) 4. Math _____ (4 units) 5. Math <u>180A</u> (4 units) Math <u>180B</u> (4 units) | <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"></td> <td style="width: 50%;">Math <u>180C</u> (4 units)</td> </tr> <tr> <td>6. Math <u>181A</u> (4 units)</td> <td></td> </tr> <tr> <td> Math <u>181B</u> (4 units)</td> <td></td> </tr> <tr> <td>7. Math _____ (4 units)</td> <td></td> </tr> <tr> <td>8. Math <u>185</u> (4 units)</td> <td></td> </tr> <tr> <td> Math _____ (4 units)</td> <td></td> </tr> <tr> <td colspan="2" style="text-align: center;">Other Dept (or Math) Course Selections</td> </tr> <tr> <td>9. Math _____ (4 units)</td> <td></td> </tr> <tr> <td> Math _____ (4 units)</td> <td></td> </tr> </table> | | Math <u>180C</u> (4 units) | 6. Math <u>181A</u> (4 units) | | Math <u>181B</u> (4 units) | | 7. Math _____ (4 units) | | 8. Math <u>185</u> (4 units) | | Math _____ (4 units) | | Other Dept (or Math) Course Selections | | 9. Math _____ (4 units) | | Math _____ (4 units) | |
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Mathematics Department Evaluation

Comments:

Advisor: _____

Date: _____