Applied Math and Statistics
Minor in Statistics
Curriculum Chart
2012-2013

<table>
<thead>
<tr>
<th>MATH</th>
<th>STATISTICS</th>
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| AMS 11A & AMS 11B  
Math Methods I & Math Methods II  
OR  
AMS 15A & AMS 15B  
Case-Study & Case-Study  
Calculus I & Calculus II  
OR  
MATH 11A & MATH 11B  
Calculus I & Calculus II  
OR  
MATH 19A & MATH 19B  
Calculus I & Calculus II  
OR  
MATH 20A & MATH 20B  
Honors Calculus I & Honors Calculus II  |
| AMS 22  
Intro to Calculus of  
Several Variables  |
| OR  
AMS 23A  
and  
AMS 23B  
Multivariable Calculus  |
| AMS 10  
Math Methods for Engineers I  |
| OR  
AMS 21  
Linear Algebra  |

(Also recommended to take: AMS 20 or Math 24)

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<tr>
<th>PROGRAMMING</th>
<th>ELECTIVE LIST</th>
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| CMPS 12A/L  
Intro to Programming (accelerated)  
and Lab  |
| CMPS 5C  
Intro. to Programming  
in C/C++  |
| CMPS 5J  
Intro. to Programming  
in Java  |
| CMPS 5P  
Intro. to Programming  
in Python  |
| BME 60/L or BME 160/L  
Programming for Biologists and  
Biochemists and Lab  |
| AMS 118  
ECON 104  |
| AMS 156  
ECON 113  |
| AMS 198  
ECON 114  |
| AMS 202  
ECON 120  |
| AMS 205B  
ECON 161B  |
| AMS 206B  
ECON 190  |
| AMS 207  
EE 151  |
| AMS 256  
MATH 114  |
| BME 205  
PSYC 181  |
| CMPE 108  
SOCY 103A  |
| CMPS 142  
TIM 230  |

Information on the Statistics Minor
The statistics minor is available for students who wish to gain a quantitative understanding of how to (a) measure uncertainty and (b) make good decisions on the basis of incomplete or imperfect information, and to apply these skills to their interests in another field. This minor could also be combined with a major in mathematics as preparation for a graduate degree in statistics or biostatistics.

Course Information
With permission from the AMS department, students may substitute any upper-division or graduate-level AMS course for an upper-division requirement. Students planning graduate work in statistics are recommended to choose Math 23A and 23B, Applied Mathematics and Statistics 205B, and Mathematics 105A-B.
# Applied Math and Statistics: Statistics Minor Degree Curriculum

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**Student's Name:**

**Staff Advisor:**