

## Statistical Modeling (B.A. or B.S.)

### FRESHMAN YEAR

| Fall Semester   |                                          | 16 Credits |
|-----------------|------------------------------------------|------------|
| FYE 10XX        | First Year Experience (R/IL).....        | 3          |
| ENGL 1100       | Writing I (W).....                       | 3          |
| MATH 1300       | Precalculus (QR) <b>OR</b>               |            |
| MATH 2300       | Calculus I (QR).....                     | 4          |
| CSC 1500        | Computer Science I <b>OR</b>             |            |
|                 | Gen. Ed./ exploration.....               | 3          |
|                 | Gen. Ed./exploration.....                | 3          |
| Spring Semester |                                          | 14 Credits |
| ENGL 1200       | Writing II (W/IL).....                   | 3          |
| MATH 1850       | Freshman Seminar in Mathematics.....     | 1          |
| MATH 2300       | Calculus I <b>OR</b>                     |            |
| MATH 2400       | Calculus II.....                         | 4          |
| MATH 2800       | Intro. To Statistical Analysis <b>OR</b> |            |
| DATA 2000       | Principles of Data Analysis.....         | 3          |
|                 | Gen. Ed. WS.....                         | 3          |

### JUNIOR YEAR

| Fall Semester   |                             | 15 Credits |
|-----------------|-----------------------------|------------|
| MATH 3000       | Geometry <b>OR</b>          |            |
| MATH 3200       | History of Mathematics..... | 3          |
| MATH XXXX       | Advanced Math Elective..... | 3          |
|                 | Course in minor.....        | 3          |
|                 | Gen. Ed./exploration.....   | 3          |
|                 | Free Elective.....          | 3          |
| Spring Semester |                             | 15 Credits |
| MATH XXXX       | Advanced Math Elective..... | 3          |
| MATH XXXX       | Advanced Math Elective..... | 3          |
|                 | Gen. Ed./ exploration.....  | 3          |
|                 | Course in minor.....        | 3          |
|                 | Free Elective.....          | 3          |

#### General Education: Foundation

3 credits Reading and Information Literacy (R and IL):  
First Year Experience  
3 credits Writing (W): Writing I  
3 credits Writing and Information Literacy (W and IL):  
Writing II  
3 credits Quantitative Reasoning (QR) (MATH)  
3 credits World Languages, Speaking and Listening  
(WS)

#### General Education: Exploration

3 credits Civic Learning (CV)  
3 credits Diverse Perspectives (DP)  
3 credits Ethical Reasoning (ER)  
3 credits Fine Arts Expression and Analysis (FA)  
3 credits Historical Inquiry and Analysis (HI)  
3 credits Literary Inquiry and Analysis (LI)  
3 credits Personal Wellness (PW)  
3 credits Procedural and Logical Thinking (PL)  
3 credits Scientific Inquiry and Analysis (SI)

### SOPHOMORE YEAR

| Fall Semester   |                                         | 15 or 16 Credits |
|-----------------|-----------------------------------------|------------------|
| MATH 2400       | Calculus II <b>OR</b>                   |                  |
|                 | Gen.Ed./exploration).....               | 3 or 4           |
| MATH 2600       | Linear Algebra.....                     | 3                |
| MATH 2500       | Introduction to Math. Thought (PL)..... | 3                |
|                 | Course in minor.....                    | 3                |
| CSC 1500        | Computer Science I <b>OR</b>            |                  |
|                 | Gen. Ed./ exploration.....              | 3                |
| Spring Semester |                                         | 16 Credits       |
| MATH 3350       | Multivariate Calculus.....              | 4                |
| MATH 2550       | Symbolic Comp. Mathematics.....         | 3                |
|                 | Gen. Ed./ exploration.....              | 3                |
|                 | Course in minor.....                    | 3                |
|                 | Free elective.....                      | 3                |

### SENIOR YEAR

| Fall Semester   |                                   | 15 Credits       |
|-----------------|-----------------------------------|------------------|
| MATH 4600       | Capstone in Mathematics <b>OR</b> |                  |
| MATH 4950       | Internship.....                   | 3                |
| MATH XXXX       | Advanced Math Elective.....       | 3                |
|                 | Course in minor.....              | 3                |
|                 | Gen. Ed./ exploration.....        | 3                |
|                 | Free Elective.....                | 3                |
| Spring Semester |                                   | 13 or 14 Credits |
| MATH XXXX       | Advanced Math Elective.....       | 3                |
| MATH XXXX       | Advanced Math Elective.....       | 3                |
|                 | Course in minor.....              | 3                |
|                 | Gen. Ed./ exploration.....        | 3                |
|                 | Free Elective.....                | 1 or 2           |

#### General Education: Integration

9 credits AIA (3 of which must be Integrative High  
Impact Practice - IHIP) **OR**  
Minor (professional majors completing a minor or  
second major must include at least 9 credits in LA&S  
disciplines for that minor)

#### General Education: MAJ

There may be major courses that have been approved  
to fulfill up to 3 General Education requirements (at  
least 9 credits). Varies by major and concentration