### BS Mathematics w/Actuarial Concentration in Four Years [2014-2015]

**Requirements for entering terms:**
- **Fall 2014 - Spring 2015**
- **Catalog Expires (10 yrs):**
- **Spring 2018 - Spring 2019**
- **Graduation:**

**Credits**

<table>
<thead>
<tr>
<th>1st Year</th>
<th>2nd Year</th>
<th>3rd Year</th>
<th>4th Year</th>
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<tr>
<td>30</td>
<td>31</td>
<td>30</td>
<td>29</td>
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<td><strong>Total</strong></td>
<td><strong>120</strong></td>
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**Take 15 credits per semester to graduate in 4 years**

**First Semester**  
- **Course**  
  - ENG 101 English Composition I  
  - MATH 181 Calculus I  
  - Choose First Year Seminar (SCI-101 recommended)  
  - HIST 100 or PSC 101 US NV Constitution  
  - Choose Social Science Field 1**

**Credits**: 16  

**Second Semester**  
- **Course**  
  - ENG 102 Composition II  
  - CS 117 Programming for Scientists and Engineers OR CS 135  
  - MATH 182 Calculus II  
  - ECON 102 Principles of Microeconomics  
  - Choose Humanities Field 1**  

**Credits**: 14

### Third Semester  
- **Course**  
  - MATH 283 Calculus III  
  - MATH 330 Linear Algebra OR MATH 365 Computational Linear Algebra  
  - MATH 251 Discrete Mathematics I  
  - Choose Second Year Seminar  
  - ECON 103 Principles of Macroeconomics

**Credits**: 15

### Fourth Semester  
- **Course**  
  - MATH 320 Mathematics of Interest  
  - MATH 427 Differential Equations I  
  - Related science course A  
  - Related science course A  
  - Choose Humanities Field 1**

**Credits**: 15

### Fifth Semester  
- **Course**  
  - MATH 463 Advanced Matrix Theory or MATH 466 Numerical methods I  
  - MATH 471 Actuarial Mathematics I  
  - MATH OR STAT from 400-level  
  - FIN 321 Corporate Risk Management  
  - Choose Fine Arts**

**Credits**: 15

### Sixth Semester  
- **Course**  
  - MATH 472 Actuarial Mathematics II  
  - MATH OR STAT from 400-level  
  - Choose Social Science Field 2**  
  - Choose Humanities Field 2**

**Credits**: 15

### Seventh Semester  
- **Course**  
  - STAT 411 Statistical Methods I  
  - STAT 467 Introduction to Mathematical Statistics  
  - STAT 488 Senior Research Project in Statistics  
  - Elective (any level)  
  - Elective (any level)

**Credits**: 15

### Eighth Semester  
- **Course**  
  - STAT 412 Statistical Methods II  
  - Elective (any level)  
  - Related science course A  
  - MATH OR STAT from 400-level  
  - Choose Social Science Field 3**

**Credits**: 14

### Notes**

- A minimum of six (6) credits are required, to be composed of a three-credit multicultural course and a three-credit international course that may simultaneously fulfill other general education requirements (General Education Requirements are Italized). A single course may not simultaneously meet both the multicultural and international requirements. Discuss with your Academic Advisor!

- Select nine (9) credits, including a LAB course, from BIOL courses numbered 189 and above; CHEM courses numbered 121 and above except CHEM 201, 203; GEOL courses numbered 220 and above; GEOG courses numbered 300 and above; PHYS courses numbered 180 and above; CEE courses numbered 300 and above; CS courses numbered 218 and above; all CpE courses; EE courses numbered 220 and above; all ME courses.