## BS Mathematics w/Actuarial Concentration in Four Years [2015-2016]

### University of Nevada, Las Vegas (UNLV)

**Chemistry Department**  
Chemistry Building (CHE-106)  
702-895-3510  
www.unlv.edu/chemistry

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### Credits

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

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### Requirements for entering terms:

- **Fall 2015 - Spring 2016:**
  - 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**  
  
  *Total First Semester: 16*

- **Second Semester:**
  - MATH 283 Calculus III  
  - MATH 330 Linear Algebra OR MATH 365 Computational Linear Algebra  
  - Elective (any level)  
  - Choose Second Year Seminar  
  
  *Total Second Semester: 14*

- **Third Semester:**
  - MATH 463 Advanced Matrix Theory or MATH 466 Numerical methods I  
  - MATH 471 Actuarial Mathematics I  
  - FIN 321 Corporate Risk Management  
  
  *Total Third Semester: 16*

- **Fourth Semester:**
  - STAT 411 Statistical Methods I  
  - STAT 467 Introduction to Mathematical Statistics  
  - STAT 488 Senior Research Project in Statistics  
  
  *Total Fourth Semester: 15*

- **Fifth Semester:**
  - MATH 320 Mathematics of Interest  
  - MATH 427 Differential Equations I  
  - Related science course  
  
  *Total Fifth Semester: 15*

- **Sixth Semester:**
  - MATH 472 Actuarial Mathematics II  
  - Elective (any level)  
  - Related science course  
  
  *Total Sixth Semester: 15*

- **Seventh Semester:**
  - STAT 412 Statistical Methods II  
  - Related science course  
  
  *Total Seventh Semester: 15*

- **Eighth Semester:**
  - Elective (any level)  
  
  *Total Eighth Semester: 14*

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### 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; GEGG 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.

- Course has a prerequisite—see reverse side for course sequences or go to the UNLV online catalog at http://catalog.unlv.edu/

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**College of Sciences Advising Center**  
702-895-2077  
www.unlv.edu/sciences/advising
LOWER DIVISION PREREQUISITE COURSE SEQUENCES FOR BS MATHEMATICS/ACTUARIAL SCIENCE MAJORS

Lower Division Math Sequence

- MATH 95 Introductory Algebra (3 credits) Grade ≥ C
- MATH 96 Intermediate Algebra (1 credit) Grade ≥ C
- MATH 126 Precalculus I (3 credits) Grade ≥ C
- MATH 127 Precalculus II (3 credits) Grade ≥ C
- MATH 128 Precalculus and Trigonometry (5 credits) Grade ≥ C

Lower Division Computer Science Sequence

- CS 135 Computer Science I (1 credit)
- MATH 127 Precalculus II (3 credits) Grade ≥ C
- MATH 181 Calculus I (4 credits) Grade ≥ C

Lower Division Economics Sequence

- ECON 102 Principles of Microeconomics (3 credits) Grade ≥ C
- ECON 104 Principles of Macroeconomics (3 credits) Grade ≥ C

Lower Division English Sequence

- ENG 101 English Composition I (3 credits) Grade ≥ C
- ENG 103 English Composition II (3 credits) Grade ≥ C

2-semester sequence

ACT scores:
- ACT ≥ 29 SAT ≥ 589
- ACT 20 SAT 500
- ACT 22 SAT 520
- ACT 25 SAT 540
- ACT 28 SAT 630
- AP AB - 4-5
- AP BC - 4-5

Read the UNLV Catalog for Upper Division Course Prerequisites  http://catalog.unlv.edu/