

# **Bachelor of Science in Mathematics Actuarial Track**

(effective Fall 2014)

<b>General education requirements:</b>	<b>24 hours<sup>1</sup></b>
<b>A&amp;S programmatic requirements:</b>	<b>13-15 hours</b>
<b>Supporting courses in Natural Sciences:</b>	<b>7-8 hours</b>
<ul style="list-style-type: none"><li>· Natural science course and lab:<ul style="list-style-type: none"><li>· ◦ Physics 298 and 295 (5 hours); or</li><li>· ◦ Chemistry 201 and 207 (5 hours); or</li><li>· ◦ Biology 102 and 104 (4 hours)</li></ul></li><li>· Elective in a second natural science discipline (3 hours)</li></ul>	
<b>Supporting courses in Business:</b>	<b>15 hours</b>
<ul style="list-style-type: none"><li>· ECON 201-202 (6 hours)<sup>2</sup></li><li>· FIN 301, 401, 414 (9 hours)<sup>3</sup></li></ul>	
<b>Mathematics courses:</b>	<b>48 hours</b>
<ul style="list-style-type: none"><li>· 205, 206, 301 (12 hours) Calculus 1,2,3</li><li>· 311 (3 hours) Intro to Higher Math</li><li>· 325 (3 hours) Linear Algebra</li><li>· 387 (3 hours) Discrete Math</li><li>· 405 (3 hours) Diff. Eq.</li><li>· 501 (3 hours) Intro to Analysis 1</li><li>· 521 (3 hours) Modern Algebra 1</li><li>· 560 (3 hours) Statistical Data Analysis (WR)</li><li>· 561 (3 hours) Probability</li><li>· 562 (3 hours) Math. Statistics</li><li>· 570 (3 hours) Found. of Actuarial Science</li><li>· 572 (3 hours) Theory of Interest</li><li>· 573 (3 hours) Actuarial Models</li></ul>	
<b>Minimum electives:</b>	<b>14-17 hours</b>

1. 13 hours of Gen Ed are met by the supporting courses
2. ECON 201 fulfills 3 hours of the social and behavioral science Gen Ed requirement
3. Enrollment in these courses requires admission to a Finance minor.