## ACTUARIAL SCIENCE – B. S.

### First Year

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Sophomore</th>
<th>Junior</th>
<th>Senior</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 113*</td>
<td>MATH 200</td>
<td>MATH 314</td>
<td>MATH 385 or ACSC 464</td>
</tr>
<tr>
<td>ECON 252</td>
<td>ACCT 210</td>
<td>One allied course**</td>
<td>FINC 325</td>
</tr>
</tbody>
</table>

### Semester 2

<table>
<thead>
<tr>
<th>Semester 2</th>
<th>Sophomore</th>
<th>Junior</th>
<th>Senior</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 114</td>
<td>MATH 240</td>
<td>FINC 321</td>
<td>ACSC 352</td>
</tr>
<tr>
<td>CISC 130</td>
<td>MATH 313</td>
<td>ACSC 264</td>
<td>MATH 333</td>
</tr>
</tbody>
</table>

### REQUIREMENTS FOR DEGREE

- ACM 210 Intro to Financial Accounting
- ACSC 264 Theory of Interest
- ACSC 320 Risk Management and Insurance
- ACSC 351 Foundations of Actuarial Mathematics
- ACSC 352 Actuarial Contingencies
- ECON 252 Principles of Microeconomics
- FINC 321 Financial Management
- FINC 325 Investments
- MATH 113 Calculus I
- MATH 114 Calculus II
- MATH 200 Multi-Variable Calculus
- MATH 240 Linear Algebra
- MATH 313 Probability
- MATH 314 Mathematical Statistics
- CISC 130 Introduction to Programming and Problem Solving

*Plus one of:
- ACSC 464 Mathematical Finance
- MATH 333 Applied Statistical Methods: Regression, Time Series, Forecasting
- Math 385 Mathematical Methods of Numerical Analysis

**Plus one of:
- COJO 100 Public Speaking
- COJO 105 Communication in the Workplace
- ENGL 200 or above

*Student may start in MATH 108 if necessary. Consult with Mathematics Department Chair if placement is other than MATH 108 or 113.

**Plus one of:
- COJO 100 Public Speaking
- COJO 105 Communication in the Workplace
- ENGL 200 or above

See catalog for listing of suggested electives.