

Name: \_\_\_\_\_

ID#: \_\_\_\_\_

**Department of Mathematics and Statistics**

**ACTUARIAL SCIENCE CONCENTRATION**

**Lower Division Requirements**

| Course                  | Title                            | Semester |
|-------------------------|----------------------------------|----------|
| Math 131                | Calculus I                       |          |
| Math 132                | Calculus II                      |          |
| Math 233                | Calculus III                     |          |
| Math 235                | Linear Algebra                   |          |
| CS 121                  | Programming                      |          |
| Math 300<br>(or CS 250) | Introduction to<br>Abstract Math |          |
| Math 370                | Junior Year<br>Writing           |          |

**Integrative Experience (IE) for Primary Math/Stat Majors**

One of: Math 455, Math 456, Math 475, Stat 525 (required for this concentration). The IE can also satisfy another requirement on this page.

| Course | Semester |
|--------|----------|
|        |          |

**Validation of Educational Experience (VEE) Requirements**

| Course                            | Title                      | Semester |
|-----------------------------------|----------------------------|----------|
| Econ 103<br>(or Res-<br>Econ 102) | Intro to<br>Microeconomics |          |
| Econ 104                          | Intro to<br>Macroeconomics |          |
| Fin 301                           | Corporate Finance          |          |

**Comments:**

**Upper Division Requirements**

| Course   | Title  | Semester |
|----------|--|----------|
| Stat 515 | Probability<br>(Statistics I)                                |          |
| Stat 516 | Statistics<br>(Statistics II)                                |          |
| Stat 525 | Linear Regression<br>(satisfies Math/Stat<br>IE requirement) |          |
| Math 537 | Math of Finance  |          |

**Exam Preparation**

One of: Math 437 or Math 536

| Course | Semester |
|--------|----------|
|        |          |

**Upper Level Electives**

Three of: Math 331, Math 425, Math 456, Math 523H, Math 532H, Math 545, Math 551, Stat 526, Stat 535, Finance 422

Primary majors may use one approved course from outside the department toward this requirement. Secondary majors may use two. Finance 422, if taken, counts as one outside course. The list of approved courses is at:

<https://www.math.umass.edu/undergraduate/minor#course%20list>

| Course | Semester |
|--------|----------|
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|        |          |
|        |          |