

**MILLIKIN UNIVERSITY**  
**Mathematics - Actuarial Science - 8 Semester Plan**

Semester #1	Hours	Semester #2	Hours
<b>MA140 Calculus I</b>	4	<b>CS135 Intro to Comp Sci</b>	3
<b>EC100 Macroeconomics</b>	3	<b>MA240 Calculus II</b>	4
IN140 University Seminar **	3	<b>EC110 Microeconomics</b>	3
IN150 CRWRR I **	3	<b>MA208 Discrete Mathematics</b>	3
Foreign Language OR Science (1 of 3)	4	IN151 CRWRR II **	3
Semester Total	17	Semester Total	16
<b>Cumulative Total</b>	<b>17</b>	<b>Cumulative Total</b>	<b>33</b>
Semester #3	Hours	Semester #4	Hours
<b>CS235 Intro to Data Science</b>	3	<b>MA303 Linear Algebra</b>	3
<b>MA304 Probability</b>	3	<b>MA314 Mathematical Statistics</b>	3
<b>MA340 Calculus III</b>	3	<b>AC240 Intro to Manag Acct</b>	3
<b>AC230 Intro to Financial Acct</b>	4	<b>MA324 Theory of Interest *</b>	3
IN250 **	3	Foreign Language OR Science (2 of 3)	4
Semester Total	16	Semester Total	16
<b>Cumulative Total</b>	<b>49</b>	<b>Cumulative Total</b>	<b>65</b>
Semester #5	Hours	Semester #6	Hours
<b>FI340 Intro to Finan Manag</b>	3	CO200 **	3
<b>MA230 Regress./Time Series *</b>	3	Natural Science with Lab **	4
<b>MA434 Mathematical Finance *</b>	3	Creative Arts **	3
IN251 **	3	ICS 1 **	3
Foreign Language OR Science (3 of 3)	4	IN350 Global Studies **	3
Semester Total	16	Semester Total	16
<b>Cumulative Total</b>	<b>81</b>	<b>Cumulative Total</b>	<b>97</b>
Semester #7	Hours	Semester #8	Hours
Elective	3	<b>MA499 Senior Seminar</b>	3
Elective	3	Historical Studies ***	3
Elective	3	Elective	3
Literature ***	3	Elective	3
ICS 2 **	3	Elective	3
Semester Total	15	Semester Total	15
<b>Cumulative Total</b>	<b>112</b>	<b>Cumulative Total</b>	<b>127</b>

**NOTES:**

The schedule above provides a template. Schedules will vary by student. Summer courses may be taken at Millikin or another institution (course approved through Registrar).

Courses in bold face are required.

Undergraduate graduation hour requirements: 124 credits (39 credits must be at 300 level)

To be considered full time, students must enroll in a minimum of 12 credit hours per semester.

If taking Advanced Placement courses in high school or considering dual enrollment in high school/community college courses, please speak with a faculty advisor or Registrar's Office at Millikin prior to selection/enrollment.

Students will select between additional foreign language or science hours depending on whether they choose the Bachelor of Arts or Bachelor of Science option.

\* These courses are offered on an every other year basis.

\*\* For students in the honors program, university studies courses are replaced with specific honors course requirements. Consult the bulletin for a list of these requirements.

\*\*\* Historical Studies and Literature may double dip with certain sections of some courses (e.g. honors seminars, IN250, IN350, etc.).

Required courses cover the material on the first three Actuarial Examinations (1/P, 2/FM, 3F/IFM) of the Casualty Actuarial Society and the Society of Actuaries and satisfy all three Validation by Educational Experience (VEE) requirements.