

## Actuarial Science Requirements

### Part A: Required Prerequisites

Math 1151	Calculus I	5
Math 1152	Calculus II	5
AcctMIS 2000	Foundations of Accounting	3
Econ 2001	Principles of Microeconomics	3
Econ 2002	Principles of Macroeconomics	3

Choose one of the following three:

CSE 1222	Introduction to Computer Programming in C++ for Engineers and Scientists	3
CSE 1223	Introduction to Computer Programming in Java	3
CSE 2111	Modeling and Problem Solving with Spreadsheets and Databases	3

### Part B: Major Program (Minimum grade of C- and GPA of 2.0)

Math 2153	Calculus III	4
Math 2568	Linear Algebra	3

Choose one of the following two:

Math 4530	Probability <sup>1</sup>	3
Stat 4201	Introduction to Mathematical Statistics I <sup>1</sup>	4

Complete the following four:

Stat 4202	Introduction to Mathematical Statistics II	4
Math 3588	Practicum in Actuarial Science	3
Math 3618	Theory of Interest <sup>2</sup>	3
Math 5632	Financial Economics for Actuaries <sup>4</sup>	3

Choose one of the following two:

BusFin 3120	Foundations of Finance	3
BusFin 3220	Business Finance	3

Choose one of the following sequences:

Math 5630	Life Contingencies I <sup>3</sup>	3
Math 5631	Life Contingencies II <sup>3</sup>	3
Math 5633	Loss Models I <sup>5</sup>	3
Math 5634	Loss Models II <sup>5</sup>	3
<b>Total Hours</b>		<b>32-33</b>

Actuarial Exams: <sup>1</sup>SOA P/CAS 1    <sup>2</sup>SOA FM/CAS 2    <sup>3</sup>SOA MLC/CAS LC    <sup>4</sup>SOA MFE/CAS 3F    <sup>5</sup>SOA C/CAS 4

### Actuarial Science Sample Schedule

	Autumn		Spring		Major Hours
Year 1	Math 1151	5	Math 1152	5	0
	CSE 1222, 1223 or 2111	3	AcctMIS 2000	3	
Year 2	Econ 2001 or 2002	3	Econ 2001 or 2002	3	13-14
	ARTSSCI 1100.01	1	English 1110	3	
Year 3	GE	3	GE	3	13
		15		17	
Year 4	Math 2153	4	Math 2568	3	6
	Math 3618 <sup>2</sup>	3	Math 4530 <sup>1</sup> or Stat 4201 <sup>1</sup>	3-4	
	GE	3	GE	3	
	GE	3	GE	3	
	GE	3	GE	3	
		16		16	
	Stat 4202	4	Math 3588	3	
	Math 5632 <sup>4</sup>	3	BusFin 3220 or 3120	3	
	GE	3	GE	3	
	GE	3	GE	3	
		13		12	
	Math 5630 <sup>3</sup> or 5633 <sup>5</sup>	3	Math 5631 <sup>3</sup> or 5634 <sup>5</sup>	3	
	GE	3			
		6		3	

Actuarial Exams: <sup>1</sup>SOA P/CAS 1    <sup>2</sup>SOA FM/CAS 2    <sup>3</sup>SOA MLC/CAS LC    <sup>4</sup>SOA MFE/CAS 3F    <sup>5</sup>SOA C/CAS 4

Additional hours may be necessary depending on course selection.

Students should complete the corresponding actuarial exam the semester after completing the correlate course.