

# Mathematics: Statistics/Actuarial Science, B.A.

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Course	Title	Hour
<b>Freshman</b>		
<b>Fall</b>		
ECON 1041 (920:053)	Principles of Macroeconomics	3
ENGLISH 1005 (620:005)	College Writing and Research	3
MATH 1420 (800:060)	Calculus I	4
MGMT 2080 (150:080)	Introduction to Information Systems	3
STAT 1772 (800:072)	Introduction to Statistical Methods	3
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
COMM 1000 (48C:001)	Oral Communication	3
ECON 1051 (920:054)	Principles of Microeconomics	3
MATH 3780/5780 (800:145g)	Mathematics of Finance	3
MATH 1421 (800:061)	Calculus II	4
LAC 2A - Humanities		3
<b>Hours</b>		<b>16</b>
<b>Sophomore</b>		
<b>Fall</b>		
ACCT 2120 (120:030)	Principles of Financial Accounting	3
ECON 1011 (920:070)	Statistics for Business Analytics ( or STAT 3771 Applied Statistical Methods for Research)	3
MATH 2500 (800:076)	Linear Algebra for Applications	3
MATH 3752/5752 (800:152g)	Introduction to Probability	3
LAC 2A - Humanities		3
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
MATH 2422 (800:062)	Calculus III	4
STAT 3775/5775 (800:174g)	Introduction to Mathematical Statistics	3
LAC 4 - Science		3
Visual BASIC recommended		3
<b>Hours</b>		<b>13</b>
<b>Junior</b>		
<b>Fall</b>		
ACT SCI 4735/5735 (800:153g)	Actuarial Mathematics	3
FIN 3130/5130 (160:151g)	Corporate Finance	3
STAT 3776/5776 (800:175g)	Regression Analysis	3
LAC 5A - Sociocultural And Historical Perspectives		3
University Electives		3
<b>Hours</b>		<b>15</b>

### Spring

ACT SCI 4739/5739 (800:158g)	Topics in Actuarial Science, Topics in Actuarial Science: Long-Term Actuarial Mathematics	3
ACT SCI 4785/5785 (800:197g)	Introduction to Financial Engineering	3
FIN 3160/5160 (160:152g)	Principles of Investments	3
MKTG 2110 (130:101)	Principles of Marketing	3
LAC 4 - Science w/ Lab		4
<b>Hours</b>		<b>16</b>

### Senior

<b>Fall</b>		
ACT SCI 4788/5788 (800:170g)	Loss Models	3
FIN 3050 (160:162)	Risk Management and Insurance	3
MGMT 3100 (150:100)	Legal and Social Environment of Business	3
KAHHS 1020	Dimensions of Wellbeing Lecture	1
KAHHS 1030	Dimensions of Wellbeing Lab	1
LAC 6 - Capstone Experience		2-3
LAC 3A - Fine Arts		3
<b>Hours</b>		<b>16-17</b>
<b>Spring</b>		
MATH 4900 (800:194)	Senior Mathematics Seminar	1
MGMT 3153 (150:153)	Organizational Management	3
LAC 3B - Literature, Philosophy and Religion		3
LAC 2B - Non-Western Cultures		3
LAC 5C - Diversity and Global Issues		3
<b>Hours</b>		<b>13</b>
<b>Total Hours</b>		<b>120-121</b>

\* Note: A student who has a grade point average of less than 2.25 in all departmental courses used for this major may not apply a departmental course in which a grade of less than C- is earned.