

### 3 Year Program for Bachelor of Science Degree in Actuarial Science Example Three-Year Plan of Study

The program outline below shows how a student can earn the Bachelor of Science degree in three years at BGSU. Before you enroll at BGSU, consult with a College of Arts and Sciences advisor (419-372-2015) so that you earn the right credits that will count toward the degree.

Credits to earn before enrolling at BGSU through AP, CLEP, PSEO, or Dual Enrollment transfer credit			
BGSU Course Subject and Title	Credits	BGSU Course Subject and Title	Credits
MATH 1310 Calculus and Analytic Geometry	5	MATH 2320 Calculus and Analytic Geometry II	5
GSW 1110 Intro to Academic Writing	3	GSW 1120 Academic Writing	3
Foreign Language III*	3	Foreign Language IV*	3
Lab Science Sequence #1	4-5	Lab Science Sequence #2	4-5
<b>Total Hours Completed 30-32</b>			
Fall Semester Year 1		Spring Semester Year 1	
MATH 2350 Calculus and Analytic Geometry III with Vector Fields	4	CS 1010 Introduction to Programming	3
MATH 4410 Probability and Statistics I	3	MATH 4420 Probability and Statistics II	3
MATH 3220 Discrete Mathematics	3	ECON 2030 Principles of Macroeconomic	3
ECON 2020 Principles of Microeconomics	3	Social Sciences #2	3
Social Sciences #1	3	Arts & Humanities #1	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>
Fall Semester Year 2		Spring Semester Year 2	
STAT 4020 Regression Analysis	3	STAT 4160 Time Series Analysis	3
MATH 3320 Discrete Mathematics	3	MATH 4320 Linear Algebra with Applications	3
FIN 3000 Business Finance	3	MATH 4250 Theory of Interest	3
ACCT 2210 Accounting and Business Concepts I	3	Social Science #3	3
Literature Course	3	Arts & Humanities #2	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>
Fall Semester Year 3		Spring Semester Year 3	
MATH 4260 Actuarial Mathematics I	3	MATH 4270 Actuarial Mathematics II	3
FIN 3500 Corporate Finance	3	MATH 4450 Applied Probability	3
Social Sciences #4	3	Electives/Undergraduate Research	9
Fine Arts	3		
Elective/Undergraduate Research	3		
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

- *\*Assumes the student has had at least 2 years of the same foreign language in high school. This degree requires 4 years of the same language in high school or four semesters (through the 2020 level or equivalent) of the same language at the university level.*
- *For approved Arts & Humanities, Fine Arts, Literature, Natural Sciences, Social Sciences course options, please consult the College of Arts & Sciences Student Handbook at: <http://www.bgsu.edu/arts-and-sciences/student-resources.html>*

**Any questions? Contact an advisor in the College of Arts & Sciences at 419-372-2015**