MATHEMATICS, BACHELOR OF SCIENCE WITH A CONCENTRATION IN ACTUARIAL SCIENCE (B.S.)

Freshman Year		
1st Semester		Credit Hours
ENGL 110	Composition I	3
MATH 260	Calculus I	4
CSCI 150	Programming I	3
CSCI 151	Programming 1 Lab	1
GE Science Elect	ives (http://catalog.vsu.edu/undergraduate/general-	4
education-progra	nms/#gescienceelectivestext)	
	Credit Hours	15
2nd Semester		
	ves (http://catalog.vsu.edu/undergraduate/general- nms/#gehistoryelectivestext)	3
ENGL 111	Composition II	3
MATH 261	Calculus II	4
MATH 284	Discrete Mathematics I	3
GE Science Flect	ives (http://catalog.vsu.edu/undergraduate/general-	4
education-progra	ams/#gescienceelectivestext) BIOL/CHEM/PHYS Laboratory	-
Science	•	
	Credit Hours	17
Sophomore Year		
1st Semester		
MATH 325	Linear Algebra	3
MATH 360	Calculus III	4
	ctives (http://catalog.vsu.edu/undergraduate/general-	3
	nms/#geliteratureelectivestext)	-
	lectives (http://catalog.vsu.edu/undergraduate/general- ms/#geselectivestext)	3
	or Minor Related Course	3
Omeonioted Lies		Ū
	Credit Hours	16
2nd Semester	Credit Hours	16
2nd Semester STAT 330		
STAT 330	Probability and Statistics I	16 3 3
STAT 330 GE Social Science education-progra	Probability and Statistics I e Electives (http://catalog.vsu.edu/undergraduate/general-	3
STAT 330 GE Social Science education-progra Unrestricted Elec	Probability and Statistics I se Electives (http://catalog.vsu.edu/undergraduate/general- ums/#gesocialscienceelectivestext) stive or Minor Related Course	3
STAT 330 GE Social Science education-progra Unrestricted Elec	Probability and Statistics I e Electives (http://catalog.vsu.edu/undergraduate/general-	3
STAT 330 GE Social Science education-progra Unrestricted Electi Restricted Electi	Probability and Statistics I se Electives (http://catalog.vsu.edu/undergraduate/general- ums/#gesocialscienceelectivestext) stive or Minor Related Course	3 3
STAT 330 GE Social Science education-progra Unrestricted Electi GE Wellness/Hea education-progra	Probability and Statistics I de Electives (http://catalog.vsu.edu/undergraduate/general- mms/#gesocialscienceelectivestext) ctive or Minor Related Course we MATH/STAT Course alth Electives (http://catalog.vsu.edu/undergraduate/general- mms/#gewellnesshealthtext)	3 3 3 3
STAT 330 GE Social Science ducation-progra Unrestricted Electi GE Wellness/Headucation-progra GE Global Studie	Probability and Statistics I de Electives (http://catalog.vsu.edu/undergraduate/general- ms/#gesocialscienceelectivestext) ctive or Minor Related Course we MATH/STAT Course alth Electives (http://catalog.vsu.edu/undergraduate/general- ms/#gewellnesshealthtext) s Electives (http://catalog.vsu.edu/undergraduate/general-	3 3 3 3
STAT 330 GE Social Science ducation-progra Unrestricted Electi GE Wellness/Headucation-progra GE Global Studie	Probability and Statistics I de Electives (http://catalog.vsu.edu/undergraduate/general- ms/#gesocialscienceelectivestext) stive or Minor Related Course we MATH/STAT Course alth Electives (http://catalog.vsu.edu/undergraduate/general- ms/#gewellnesshealthtext) s Electives (http://catalog.vsu.edu/undergraduate/general- ms/#geglobalstudiestext)	3 3 3 3 2
STAT 330 GE Social Science ducation-progra Unrestricted Electi GE Wellness/Heeducation-progra GE Global Studie education-progra	Probability and Statistics I de Electives (http://catalog.vsu.edu/undergraduate/general- ms/#gesocialscienceelectivestext) ctive or Minor Related Course we MATH/STAT Course alth Electives (http://catalog.vsu.edu/undergraduate/general- ms/#gewellnesshealthtext) s Electives (http://catalog.vsu.edu/undergraduate/general-	3 3 3 3 2
STAT 330 GE Social Science ducation-progra Unrestricted Elect GE Wellness/Hee education-progra GE Global Studie education-progra Junior Year	Probability and Statistics I de Electives (http://catalog.vsu.edu/undergraduate/general- ms/#gesocialscienceelectivestext) stive or Minor Related Course we MATH/STAT Course alth Electives (http://catalog.vsu.edu/undergraduate/general- ms/#gewellnesshealthtext) s Electives (http://catalog.vsu.edu/undergraduate/general- ms/#geglobalstudiestext)	3 3 3 3 2
STAT 330 GE Social Science ducation-progra Unrestricted Electi GE Wellness/Hereducation-progra GE Global Studie education-progra Junior Year 1st Semester	Probability and Statistics I the Electives (http://catalog.vsu.edu/undergraduate/general- the Electives (http://catalog.vsu.edu/undergraduate/general- the or Minor Related Course We MATH/STAT Course alth Electives (http://catalog.vsu.edu/undergraduate/general- thems/#gewellnesshealthtext) se Electives (http://catalog.vsu.edu/undergraduate/general- thems/#geglobalstudiestext) Credit Hours	3 3 3 2 3
STAT 330 GE Social Science ducation-progra Unrestricted Electi GE Wellness/Hea education-progra GE Global Studie education-progra Junior Year 1st Semester MATH 350	Probability and Statistics I de Electives (http://catalog.vsu.edu/undergraduate/general- ms/#gesocialscienceelectivestext) ctive or Minor Related Course alth Electives (http://catalog.vsu.edu/undergraduate/general- ms/#gewellnesshealthtext) s Electives (http://catalog.vsu.edu/undergraduate/general- ms/#geglobalstudiestext) Credit Hours Differential Equations	3 3 3 2 3 17
STAT 330 GE Social Science ducation-progra Unrestricted Electi GE Wellness/Hee education-progra GE Global Studie education-progra Junior Year 1st Semester MATH 350 Unrestricted Electi	Probability and Statistics I de Electives (http://catalog.vsu.edu/undergraduate/general- ms/#gesocialscienceelectivestext) ctive or Minor Related Course de MATH/STAT Course alth Electives (http://catalog.vsu.edu/undergraduate/general- ms/#gewellnesshealthtext) s Electives (http://catalog.vsu.edu/undergraduate/general- ms/#geglobalstudiestext) Credit Hours Differential Equations ctive or Minor Related Course	3 3 3 2 3 17
STAT 330 GE Social Science education-progra Unrestricted Electi GE Wellness/Hea education-progra GE Global Studie education-progra Junior Year 1st Semester MATH 350 Unrestricted Electi Restricted Electi	Probability and Statistics I te Electives (http://catalog.vsu.edu/undergraduate/general- tems/#gesocialscienceelectivestext) tive or Minor Related Course we MATH/STAT Course alth Electives (http://catalog.vsu.edu/undergraduate/general- tems/#gewellnesshealthtext) s Electives (http://catalog.vsu.edu/undergraduate/general- tems/#geglobalstudiestext) Credit Hours Differential Equations ctive or Minor Related Course we MATH/STAT Course	3 3 3 2 3 17
STAT 330 GE Social Science ducation-progra Unrestricted Electi GE Wellness/Hee education-progra GE Global Studie education-progra Junior Year 1st Semester MATH 350 Unrestricted Electi MATH 300	Probability and Statistics I De Electives (http://catalog.vsu.edu/undergraduate/general- ams/#gesocialscienceelectivestext) Ditive or Minor Related Course We MATH/STAT Course Bith Electives (http://catalog.vsu.edu/undergraduate/general- ams/#gewellnesshealthtext) SE Electives (http://catalog.vsu.edu/undergraduate/general- ams/#geglobalstudiestext) Credit Hours Differential Equations Differential Equations Ettive or Minor Related Course We MATH/STAT Course Foundation of Mathematics	3 3 3 2 3 17 3 3 3 3
STAT 330 GE Social Science ducation-progra Unrestricted Electi GE Wellness/Hee education-progra GE Global Studie education-progra Junior Year 1st Semester MATH 350 Unrestricted Electi MATH 300	Probability and Statistics I the Electives (http://catalog.vsu.edu/undergraduate/general- thms/#gesocialscienceelectivestext) titive or Minor Related Course the MATH/STAT Course alth Electives (http://catalog.vsu.edu/undergraduate/general- thms/#gewellnesshealthtext) s Electives (http://catalog.vsu.edu/undergraduate/general- thms/#geglobalstudiestext) Credit Hours Differential Equations titive or Minor Related Course Foundation of Mathematics titive or Minor Related Course Stive or Minor Related Course Foundation of Mathematics titive or Minor Related Course	3 3 3 2 3 17 3 3 3 3 3 3
STAT 330 GE Social Science ducation-progra Unrestricted Electi GE Wellness/Hea education-progra GE Global Studie education-progra Junior Year 1st Semester MATH 350 Unrestricted Electi MATH 300 Unrestricted Electi	Probability and Statistics I De Electives (http://catalog.vsu.edu/undergraduate/general- ams/#gesocialscienceelectivestext) Ditive or Minor Related Course We MATH/STAT Course Bith Electives (http://catalog.vsu.edu/undergraduate/general- ams/#gewellnesshealthtext) SE Electives (http://catalog.vsu.edu/undergraduate/general- ams/#geglobalstudiestext) Credit Hours Differential Equations Differential Equations Ettive or Minor Related Course We MATH/STAT Course Foundation of Mathematics	3 3 3 2 3 17 3 3 3 3
STAT 330 GE Social Science ducation-progra Unrestricted Electi GE Wellness/Hereducation-progra GE Global Studie education-progra Junior Year 1st Semester MATH 350 Unrestricted Electi MATH 300 Unrestricted Electi MATH 300 Unrestricted Electi MATH 400	Probability and Statistics I de Electives (http://catalog.vsu.edu/undergraduate/general- ams/#gesocialscienceelectivestext) bitive or Minor Related Course alth Electives (http://catalog.vsu.edu/undergraduate/general- ams/#gewellnesshealthtext) se Electives (http://catalog.vsu.edu/undergraduate/general- ams/#geglobalstudiestext) Credit Hours Differential Equations ctive or Minor Related Course ver MATH/STAT Course Foundation of Mathematics or Minor Related Course Credit Hours Advanced Calculus I	3 3 3 2 3 17 3 3 3 3 3 3
STAT 330 GE Social Science education-progra Unrestricted Electi GE Wellness/Hereducation-progra GE Global Studie education-progra Junior Year 1st Semester MATH 350 Unrestricted Electi MATH 300 Unrestricted Electi MATH 400 Unrestricted Electi MATH 400 Unrestricted Electi	Probability and Statistics I de Electives (http://catalog.vsu.edu/undergraduate/general- ams/#gesocialscienceelectivestext) stive or Minor Related Course alth Electives (http://catalog.vsu.edu/undergraduate/general- ams/#gewellnesshealthtext) as Electives (http://catalog.vsu.edu/undergraduate/general- ams/#geglobalstudiestext) Credit Hours Differential Equations stive or Minor Related Course ye MATH/STAT Course Foundation of Mathematics stive or Minor Related Course Credit Hours Advanced Calculus I stive or Minor Related Course	3 3 3 2 3 17 3 3 3 3 3 3
STAT 330 GE Social Science education-progra Unrestricted Electi GE Wellness/Hea education-progra GE Global Studie education-progra Junior Year 1st Semester MATH 350 Unrestricted Electi MATH 300 Unrestricted Electi MATH 400 Unrestricted Elect Restricted Elect Restricted Elect Restricted Elect Restricted Elect Restricted Elect Restricted Elect	Probability and Statistics I te Electives (http://catalog.vsu.edu/undergraduate/general- tems/#gesocialscienceelectivestext) tive or Minor Related Course tive MATH/STAT Course alth Electives (http://catalog.vsu.edu/undergraduate/general- tems/#gewellnesshealthtext) s Electives (http://catalog.vsu.edu/undergraduate/general- tems/#geglobalstudiestext) Credit Hours Differential Equations tive or Minor Related Course Foundation of Mathematics ctive or Minor Related Course Credit Hours Advanced Calculus I ctive or Minor Related Course We MATH/STAT Course Advanced Calculus I ctive or Minor Related Course We MATH/STAT Course	3 3 3 2 3 17 3 3 3 3 3 3
STAT 330 GE Social Science education-progra Unrestricted Electi GE Wellness/Hea education-progra GE Global Studie education-progra Junior Year 1st Semester MATH 350 Unrestricted Electi MATH 300 Unrestricted Electi MATH 400 Unrestricted Elect Restricted Elect Restricted Elect Restricted Elect Restricted Elect Restricted Elect Restricted Elect	Probability and Statistics I de Electives (http://catalog.vsu.edu/undergraduate/general- ams/#gesocialscienceelectivestext) bitive or Minor Related Course alth Electives (http://catalog.vsu.edu/undergraduate/general- ams/#gewellnesshealthtext) se Electives (http://catalog.vsu.edu/undergraduate/general- ams/#geglobalstudiestext) Credit Hours Differential Equations ctive or Minor Related Course ver MATH/STAT Course Foundation of Mathematics or Minor Related Course Credit Hours Advanced Calculus I	3 3 3 2 3 17 3 3 3 3 15

Unrestricted Elective or Minor Related Course		3
	Credit Hours	15
Senior Year		
1st Semester		
MATH 425	Abstract Algebra I	3
Unrestricted Ele	3	
Restricted Elect	ive MATH/STAT Course	3
Unrestricted Elective or Minor Related Course		3
	Credit Hours	12
2nd Semester		
MATH 495	Senior Project	1-3
Unrestricted Elective or Minor Related Course		3
Unrestricted Elective or Minor Related Course		3
Unrestricted Elective or Minor Related Course		3
	Credit Hours	10-12
	Total Credit Hours	117-119

General Education Requirements for the B.S. Degree

Code Title Credit

GE English Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#geenglishelectivestext)

GE Global Studies Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#geglobalstudiestext)

GE History Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gehistoryelectivestext)

GE Humanities Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#geselectivestext)

GE Literature Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#geliteratureelectivestext)

GE Science Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gescienceelectivestext)

GE Social Science Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gesocialscienceelectivestext)

GE Wellness/Health Electives (http://catalog.vsu.edu/ undergraduate/general-education-programs/#gewellnesshealthtext)

GE Mathematics Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gemathematicselectivestext)

Total Requirements Semester Hours: 33

A single course may simultaneously fulfill a general education requirement and a departmental or major/minor requirement. A single course cannot be used to fulfill more than one general education requirement. Department or major/minor areas may opt to exceed the minimum credit hour requirements above.

Code	Title	Credit Hours
MATH 260	Calculus I	4
MATH 261	Calculus II	4
MATH 284	Discrete Mathematics I	3
MATH 300	Foundation of Mathematics	3
MATH 325	Linear Algebra	3
MATH 350	Differential Equations	3
MATH 360	Calculus III	4
MATH 400	Advanced Calculus I	3

MATH 425	Abstract Algebra I	3
MATH 495	Senior Project MATH 395 for Secondary Education concentration	1-3
STAT 330	Probability and Statistics I	3
or STAT 340	Probability Stat Cmptr Scienti	
Total Credit Hour	34-36	
Code	Title	Credit
		Hours
Science Course 8	4	
CSCI 150	Programming I	3
CSCI 151	Programming 1 Lab	1
MATH 294	Mathematics of Finance I	3
MATH 295	Mathematics Of Finance II	3
MATH 380	Seminar in Actuarial Science	3
Total Credit Hours		
Code	Title	Credit
		Hours
Restricted Electives		15-18
Unrestricted Electives		18
Total Credit Hours		
Code	Title	Credit
		Hours
General Education		33
Core Requirements		17
Major/Concentration Requirements		36
Electives		33-36
Total Credit Hour	rs	119-122