

MATHEMATICS, BACHELOR OF SCIENCE WITH A CONCENTRATION IN STATISTICS (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 Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gescienceelectivestext)		4
Credit Hours		15
2nd Semester		
GE History Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gehistoryelectivestext)		3
ENGL 111	Composition II	3
MATH 261	Calculus II	4
MATH 284	Discrete Mathematics I	3
GE Science Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gescienceelectivestext) BIOL/CHEM/PHYS Laboratory Science		4
Credit Hours		17
Sophomore Year		
1st Semester		
MATH 325	Linear Algebra	3
MATH 360	Calculus III	4
GE Literature Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#geliteratureelectivestext)		3
GE Humanities Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#geselectivestext)		3
Unrestricted Elective or Minor Related Course		3
Credit Hours		16
2nd Semester		
STAT 330	Probability and Statistics I	3
GE Social Science Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gesocialscienceelectivestext)		3
Unrestricted Elective or Minor Related Course		3
Restricted Elective MATH/STAT Course		3
GE Wellness/Health Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gewellnesshealthtext)		2
GE Global Studies Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#geglobalstudiestext)		3
Credit Hours		17
Junior Year		
1st Semester		
MATH 350	Differential Equations	3
Unrestricted Elective or Minor Related Course		3
Restricted Elective MATH/STAT Course		3
MATH 300	Foundation of Mathematics	3
Unrestricted Elective or Minor Related Course		3
Credit Hours		15
2nd Semester		
MATH 400	Advanced Calculus I	3
Unrestricted Elective or Minor Related Course		3
Restricted Elective MATH/STAT Course		3
Restricted Elective MATH/STAT Course		3

Unrestricted Elective or Minor Related Course		3
Credit Hours		15
Senior Year		
1st Semester		
MATH 425	Abstract Algebra I	3
Unrestricted Elective MATH/STAT Course		3
Restricted Elective or Minor Related Course		3-6
Unrestricted Elective or Minor Related Course		3
Credit Hours		12-15
2nd Semester		
MATH 495	Senior Project	3
Unrestricted Elective or Minor Related Course		3
Unrestricted Elective or Minor Related Course		3
Unrestricted Elective or Minor Related Course		3
Credit Hours		12
Total Credit Hours		119-122

¹ MATH 280 could be taken in place of MATH 284

General Education Requirements for the B.S. Degree

Code	Title	Credit Hours
GE English Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#geenglishselectivestext)		
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 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	1-3
STAT 330	Probability and Statistics I	3
or MATH 340	Euclidean & Noneuclid Geomet I	

Total Credit Hours	26-28
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Code	Title	Credit Hours
CSCI 150	Programming I	3
CSCI 151	Programming 1 Lab	1
Concentration Related Courses	Determined under Advisor's guidance	21
BIOL/CHEM/PHYS Laboratory Science	Determined under Advisor's guidance	4
Total Credit Hours		29

Code	Title	Credit Hours
Unrestricted Electives		12
Restricted Electives		15-18
Total Credit Hours		27-30

Code	Title	Credit Hours
General Education		35
Core Requirements		32
Major/Concentration Requirements		17
Electives		36
Total Credit Hours		120