MATHEMATICS MAJOR
Four Year Plan

This is a suggested program guide. It is not to be interpreted as a contract. Changes may occur. Please see your program advisor before you register for courses. Updated 9/24

YEAR	FALL		SPRING	
First Year	BENV100 Becoming a Scholar	3	Writing Well Competency	3
	Elective	2	Understanding Self and Society Competency	3
	CPS 108 Computer Programming	3	Elective	3
	MAT 135 Calculus 1	5	Living Well Competency	2-3
	Speaking and Listening Competency	3	**MAT 136 Calculus 2**	5
	Total	16	Total	16-17
Second Year	Scientific Inquiry Competency	4	BENV200 Learning in Community	5
	Or		Elective	2
	PHY 211 Physics for Sci/Eng 1 (recommended)	5	**MAT 225 Multivariate Calculus**	3
	Reading the Bible Competency	3	**MAT 230 Linear Algebra**	3
	Creative Expression Competency	3	**MAT 211 Introductory Geometry**	3
	Electives	2	Total	16
	MAT 220 Discrete Mathematics	3		
	Total	15-16		
Third Year	**MAT 332 Abstract Algebra ***	3	Exploring the Past Competency	3
	MAT 401 Analysis *	3	Religious Understanding Competency	3
	Electives	9	BENV 300 Cross-cultural Experience	3
	Total	15	**MAT 340 Probability and Statistics**	3
			Elective	3
			Total	15
Fourth Year	Electives	6	BENV400 Enduring Values Capstone	2
	MAT 312 Advanced Geometry *	3	Electives	12
	MAT 350 Differential Equations & Modeling *	3	Total	14
	MAT 360 Operations Research *	3		
	Total	15		

124 total hours to complete graduation requirements (this includes 2 hours of arts and lecture credit)
Boldface print denotes major course requirement

*Alternate year courses: MAT332 and MAT401 in odd-numbered years
MAT312, MAT350 and MAT360 in even-numbered years
MAT 135 and MAT 220 satisfy the Critical Analysis Competency.
CPS 320 and PHY 211 are strongly recommended for all mathematics majors.
MAT 390 may be considered as an elective in mathematics and is repeatable as distinct investigations.
At least one upper level mathematics course shall be taken during the senior year.