HALMOS COLLEGE OF ARTS AND SCIENCES
SAMPLE FOUR YEAR CURRICULUM | 2021-2022 CATALOG
Bachelor of Science - Mathematics

Freshman Year

Fall		Winter	
Course	Credits	Course	Credits
Open Written Communication	3	Open Written Communication	3
Open Arts & Humanities	3	Open Arts & Humanities	3
MATH 2100 Calculus I	4	MATH 2200 Calculus II	4
Open Elective	3	MATH 3300 Introductory Linear Algebra	3
UNIV 1000	3	Open Elective	3
Total Credits	**16**	**Total Credits**	**16**

Sophomore Year

Fall		Winter	
Course	Credits	Course	Credits
Open Social & Behavioral Sciences	3	Open Social & Behavioral Sciences	3
Laboratory Science Course	4	Laboratory Science Course	4
Open Elective	3	MATH 3400 Ordinary Differential Equations	3
MATH 3200 Calculus III	4	MATH 2500 Introduction to Advanced Mathematics *	3
		Open Elective	3
Total Credits	**14**	**Total Credits**	**16**

Junior Year

Fall		Winter	
Course	Credits	Course	Credits
MATH 4350 Abstract Algebra I**	3	MATH 4360 Abstract Algebra II***	3
Major Elective	3	Major Elective	3
Open Science ****/Open Elective	3	Open Science ****/Open Elective	3
Open Elective	3	Open Elective	3
Open Elective	3	Open Elective	3
Total Credits	**15**	**Total Credits**	**15**

Senior Year

Fall		Winter	
Course	Credits	Course	Credits
Major Elective	3	Major Elective	3
Major Elective	3	Major Elective	3
Open Elective *****	4	Open Elective	3
Open Elective	3	Open Elective	3
Open Elective	3		
Total Credits	**16**	**Total Credits**	**12**

TOTAL CREDITS: 120

*This requirement may also be fulfilled by completing CSIS 2050 Discrete Mathematics (4 Credits), which is offered Every Winter

**This requirement may also be fulfilled by completing MATH 4050 Advanced Calculus I, which is offered Even Year Fall.

***This requirement may also be fulfilled by completing MATH 4060 Advanced Calculus II, which is offered Odd Year Winter.

****This general education requirement is only needed if student took CSIS 2101/3101 as Laboratory Science Major Requirement

***** This open elective can be for 3 credits if student took CSIS 2050 (4 Credits) in place of MATH 2500 (3 credits)