



HALMOS COLLEGE OF NATURAL SCIENCES AND OCEANOGRAPHY
SAMPLE FOUR YEAR CURRICULUM | 2018-2019 CATALOG
Bachelor of Science - Mathematics



Freshman Year

Fall		Winter	
<u>Course</u>	<u>Credits</u>	<u>Course</u>	<u>Credits</u>

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	
<u>Course</u>	<u>Credits</u>	<u>Course</u>	<u>Credits</u>

Open Social & Behavioral Sciences	3	Open Social & Behavioral Sciences	3
Laboratory Science Course	4	Laboratory Science Course	4
CSIS 2050 Discrete Mathematics*	3	MATH 3400 Ordinary Differential Equations	3
MATH 3200 Calculus III	4	Open Elective	3
		Open Elective	3
Total Credits	14	Total Credits	16

Junior Year

Fall		Winter	
<u>Course</u>	<u>Credits</u>	<u>Course</u>	<u>Credits</u>

MATH 4050 Advanced Calculus I**	3	MATH 4060 Advanced Calculus 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	
<u>Course</u>	<u>Credits</u>	<u>Course</u>	<u>Credits</u>

Major Elective	3	Major Elective	3
Major Elective	3	Major Elective	3
Open Elective	3	Open Elective	3
Open Elective	4	Open Elective	3
		Open Elective	3
Total Credits	13	Total Credits	15

TOTAL CREDITS: 120

**This requirement may also be fulfilled by completing MATH 2500 Introduction to Advanced Mathematics, which is offered Odd Year Winter.*

***This requirement may also be fulfilled by completing MATH 4350 Abstract Algebra I, which is offered Odd Year Fall.*

****This requirement may also be fulfilled by completing MATH 4360 Abstract Algebra II, which is offered Even Year Winter.*

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