

HALMOS COLLEGE OF ARTS AND SCIENCES SAMPLE FOUR YEAR CURRICULUM | 2023-2024 CATALOG

Bachelor of Science - Mathematics

Freshman Year			
Fall		Winter	
Course	Credits	<u>Course</u>	Credits
Open Written Communication	3	Open Written Communication	3
Laboratory Science Course	4	Laboratory Science Course	4
MATH 2100 Calculus I	4	MATH 2200 Calculus II	4
UNIV 1000	3	MATH 3300 Introductory Linear Algebra	3
Open Elective	3	Open Elective	3
Total Credits	17	Total Credits	17
Sophomore Year			
Fall		Winter	
Course	<u>Credits</u>	Course	<u>Credits</u>
Open Social & Behavioral Sciences	3	Open Social & Behavioral Sciences	3
Open Arts & Humanities	3	Open Arts & Humanities	3
MATH 3200 Calculus III	4	MATH 3400 Ordinary Differential Equations	3
Major Elective	3	MATH 2500 Introduction to Adv. Mathematics *	3
Open Elective	3	Open Elective	3
Total Credits	16	Total Credits	15
7.11	Junio	r Year	
Fall	Ž	Winter	Con Alla
Course	Credits	Winter <u>Course</u>	<u>Credits</u>
<u>Course</u> MATH 4350 Abstract Algebra I**	Credits 3	Winter <u>Course</u> MATH 4360 Abstract Algebra II***	3
<u>Course</u> MATH 4350 Abstract Algebra I** Major Elective	Credits 3	Winter <u>Course</u> MATH 4360 Abstract Algebra II*** Major Elective	3 3
Course MATH 4350 Abstract Algebra I** Major Elective Open Science ****/Open Elective	<u>Credits</u> 3 3 3	Winter <u>Course</u> MATH 4360 Abstract Algebra II*** Major Elective Open Science ****/Open Elective	3 3 3
Course MATH 4350 Abstract Algebra I** Major Elective Open Science ****/Open Elective Open Elective	<u>Credits</u> 3 3 3 3	Winter <u>Course</u> MATH 4360 Abstract Algebra II*** Major Elective Open Science ****/Open Elective Open Elective	3 3 3 3
Course MATH 4350 Abstract Algebra I** Major Elective Open Science ****/Open Elective Open Elective Open Elective	Credits	Winter Course MATH 4360 Abstract Algebra II*** Major Elective Open Science ****/Open Elective Open Elective Open Elective Open Elective	3 3 3 3 3
Course MATH 4350 Abstract Algebra I** Major Elective Open Science ****/Open Elective Open Elective	<u>Credits</u> 3 3 3 3 3 15	Winter Course MATH 4360 Abstract Algebra II*** Major Elective Open Science ****/Open Elective Open Elective Open Elective Total Credits	3 3 3 3
Course MATH 4350 Abstract Algebra I** Major Elective Open Science ****/Open Elective Open Elective Open Elective Total Credits	<u>Credits</u> 3 3 3 3 3 15	Winter Course MATH 4360 Abstract Algebra II*** Major Elective Open Science ****/Open Elective Open Elective Open Elective Total Credits r Year	3 3 3 3 3
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Course MATH 4350 Abstract Algebra I** Major Elective Open Science ****/Open Elective Open Elective Open Elective Total Credits Fall Course Major Elective Major Elective	Credits 3 3 3 3 3 15 Senio Credits 3 3 3 3 3	Winter Course MATH 4360 Abstract Algebra II*** Major Elective Open Science ****/Open Elective Open Elective Open Elective Total Credits r Year Winter Course Major Elective Open Elective Open Elective	3 3 3 3 15 Credits 3 3
Course MATH 4350 Abstract Algebra I** Major Elective Open Science ****/Open Elective Open Elective Open Elective Total Credits Fall Course Major Elective Major Elective Open Elective Open Elective	Credits	Winter Course MATH 4360 Abstract Algebra II*** Major Elective Open Science ****/Open Elective Open Elective Open Elective Total Credits r Year Winter Course Major Elective Open Elective	3 3 3 3 15 Credits 3 3 3
Course MATH 4350 Abstract Algebra I** Major Elective Open Science ****/Open Elective Open Elective Open Elective Total Credits Fall Course Major Elective Major Elective	Credits 3 3 3 3 3 15 Senio Credits 3 3 3 3 3	Winter Course MATH 4360 Abstract Algebra II*** Major Elective Open Science ****/Open Elective Open Elective Open Elective Total Credits r Year Winter Course Major Elective Open Elective Open Elective	3 3 3 3 15 Credits 3 3

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 Odd Year Fall.

^{***}This requirement may also be fulfilled by completing MATH 4060 Advanced Calculus 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

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