

HALMOS COLLEGE OF ARTS AND SCIENCES SAMPLE FOUR YEAR CURRICULUM | 2022-2023 CATALOG

Bachelor of Science - Mathematics

Freshman Year			
Fall		Winter	
<u>Course</u>	<u>Credits</u>	<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
	Sophon	ore Year	
Fall		Winter	
Course	<u>Credits</u>	<u>Course</u>	<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	CSIS 2050 Discrete Mathematics*	4
Open Elective	3	Open Elective	3
Total Credits	16	Total Credits	16
- 4	Junio	r Year	
Fall	,	Winter	
<u>Course</u>	Credits	Winter <u>Course</u>	Credits
<u>Course</u> MATH 4050 Advanced Calculus I**	Credits 3	Winter <u>Course</u> MATH 4060 Advanced Calculus II***	3
<u>Course</u> MATH 4050 Advanced Calculus I** Major Elective	Credits 3 3	Winter <u>Course</u> MATH 4060 Advanced Calculus II*** Major Elective	3 3
Course MATH 4050 Advanced Calculus I** Major Elective Open Science ****/Open Elective	<u>Credits</u> 3 3 3	Winter <u>Course</u> MATH 4060 Advanced Calculus II*** Major Elective Open Science ****/Open Elective	3 3 3
Course MATH 4050 Advanced Calculus I** Major Elective Open Science ****/Open Elective Open Elective	<u>Credits</u> 3 3 3 3	Winter <u>Course</u> MATH 4060 Advanced Calculus II*** Major Elective Open Science ****/Open Elective Open Elective	3 3 3 3
Course MATH 4050 Advanced Calculus I** Major Elective Open Science ****/Open Elective Open Elective Open Elective	<u>Credits</u> 3 3 3 3 3 3	Winter <u>Course</u> MATH 4060 Advanced Calculus II*** Major Elective Open Science ****/Open Elective Open Elective Open Elective	3 3 3 3 3
Course MATH 4050 Advanced Calculus I** Major Elective Open Science ****/Open Elective Open Elective	<u>Credits</u> 3 3 3 3 3 15	Winter Course MATH 4060 Advanced Calculus II*** Major Elective Open Science ****/Open Elective Open Elective Open Elective Total Credits	3 3 3 3
Course MATH 4050 Advanced Calculus 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 4060 Advanced Calculus 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 4050 Advanced Calculus I** Major Elective Open Science ****/Open Elective Open Elective Open Elective Total Credits Fall Course	<u>Credits</u> 3 3 3 3 15 <u>Senio</u>	Winter Course MATH 4060 Advanced Calculus II*** Major Elective Open Science ****/Open Elective Open Elective Open Elective Total Credits r Year Winter Course	3 3 3 3 3 15
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Course MATH 4050 Advanced Calculus 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 4 5 5 5 6 6 6 6 7 8 3 3 3 3 3 3	Winter Course MATH 4060 Advanced Calculus 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 3 15 Credits 3 3
Course MATH 4050 Advanced Calculus I** Major Elective Open Science ****/Open Elective Open Elective Open Elective Total Credits Fall Course Major Elective Major Elective Open Elective Open Elective	Credits 3 3 3 3 3 15 Senio	Winter Course MATH 4060 Advanced Calculus II*** Major Elective Open Science ****/Open Elective Open Elective Open Elective Total Credits r Year Winter Course Major Elective Open Elective Open Elective Open Elective Open Elective Open Elective Open Elective	3 3 3 3 3 15 Credits 3 3 3 3
Course MATH 4050 Advanced Calculus 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 4 5 5 5 6 6 6 6 7 8 3 3 3 3 3 3	Winter Course MATH 4060 Advanced Calculus 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 3 15 Credits 3 3

TOTAL CREDITS: 120

^{*} This requirement may also be fulfilled by completing MATH 2500 Introduction to Advanced Mathematics which is offered in 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

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