

B.A. in Mathematics: Proposed Requirements	B.A. in Mathematics: Current Requirements
Math 1041-1042-2043, Calculus I-III (12 c.h.)	Math 1041-1042-2043, Calculus I-III (12 c.h.)
Phys 1061-1062, Elementary Classical Physics I-II (8 c.h.)	Science Core A-B (8 c.h.)
CIS 1053 or 1057 or 1068 (4 c.h.)	CIS 1053 or 1057 or 1068 (4 c.h.)
Math 2101, Linear Algebra (3 c.h.)	Math 2101, Linear Algebra (3 c.h.)
Math 2196, Basic Concepts of Math (3 c.h.)	
Math 3031, Intro. to Probability (3 c.h.)	
	Math 3041, Differential Equations (3 c.h.)
Math 3096, Introduction to Modern Algebra (3 c.h.) (to be designed)	Math 3098-3099, Modern Algebra-Topics in Modern Algebra (6 c.h.)
Math 3137-3138, Real and Complex Analysis I-II (6 c.h.)	Math 3141-3142, Advanced Calculus I-II (6 c.h.)
	Math 4051, Intro. to Functions of Complex Variable (3 c.h.)
	Math 4061, Differential Geometry, or Math 4063, Topology (3 c.h.)
Math 4096, Senior Problem Solving Seminar (3 c.h.)	Math 4096, Senior Problem Solving Seminar (3 c.h.)
Three additional math courses of 3000 level or above (9 c.h.)	Two additional math courses of 3000 level or above (6 c.h.)
Total: 54 c.h.	Total: 57 c.h.

B.S. in Mathematics: Proposed Requirements	B.S. in Mathematics: Current Requirements
Math 1041-1042-2043, Calculus I-III (12 c.h.)	Math 1041-1042-2043, Calculus I-III (12 c.h.)
Phys 1061-1062, Elementary Classical Physics I-II (8 c.h.)	Phys 1061-1062, Elementary Classical Physics I-II (8 c.h.)
CIS 1053 or 1057 or 1068 (4 c.h.)	Two of the following: CIS 1053 or 1057 or 1068 or 2168 (8 c.h.)
Math 3051, Theoretica Linear Algebra (4 c.h.) (to be designed)	Math 2101, Linear Algebra (3 c.h.)
Math 3031, Intro. to Probability (3 c.h.)	Math 3031, Intro. to Probability (3 c.h.)
Math 3045, Differential Equations with Linear Algebra (4 c.h.) (to be designed)	Math 3041, Differential Equations (3 c.h.)
	Math 3043, Numerical Analysis I (3 c.h.)
Math 3098-3099, Modern Algebra-Topics in Modern Algebra (6 c.h.)	Math 3098, Modern Algebra (3 c.h.)
Math 3141-3142, Advanced Calculus I-II (6 c.h.)	Math 3141-3142, Advanced Calculus I-II (6 c.h.)
Math 4051, Intro. to Functions of Complex Variable (3 c.h.)	Math 4051, Intro. to Functions of Complex Variable (3 c.h.)
Math 4061, Differential Geometry, or Math 4063, Topology (3 c.h.)	
Math 4096, Senior Problem Solving Seminar (3 c.h.)	Math 4096, Senior Problem Solving Seminar (3 c.h.)
Two additional math courses of 3000 level or above (6 c.h.)	Two additional math courses of 3000 level or above or selected science courses(6 c.h.)
One additional math course of 4000 level or above (3 c.h.)	One additional math course of 4000 level or above (3 c.h.)
Total: 65 c.h.	Total: 64 c.h.