

Mathematics (PhD)

Program: Mathematics

Type: PhD

Core Course Group I

Choose 3 credits from options below - 3 total credit hours:

Item #	Title	Credits
MATH-220	Introduction to Analysis I (B)	3
MATH-221	Introduction to Analysis II (B)	3
MATH-208	Introduction to Modern Algebra I (B)	3
MATH-209	Introduction to Modern Algebra II (B)	3
Sub-Total Credits		3

Core Course Group 2

Choose from options below - 18 total credit hours:

Item #	Title	Credits
MATH-210	Algebra I	3
MATH-211	Algebra II	3
MATH-222	Real Analysis I	3
MATH-223	Real Analysis II	3
MATH-250	Topology I	3
MATH-229	Complex Analysis I	3
Sub-Total Credits		18

Core Course Group 3

Choose 6 credits from options below - 6 total credit hours:

Item #	Title	Credits
MATH-214	Number Theory I	3
MATH-224	Applications of Analysis	3
MATH-230	Complex Analysis II	3
MATH-231	Functional Analysis I	3
MATH-252	Algebraic Topology I	3
MATH-253	Algebraic Topology II	3
MATH-259	Differential Geometry I	3
MATH-260	Differential Geometry II	3
MATH-237	Partial Differential Equations II	3
Sub-Total Credits		6
Item #	Title	Credits
MATH-280	History of Mathematics	3
Sub-Total Credits		3

Electives

Options: Elective courses are courses offered within the department under subject code MATH and outside of the department at level 200 and above. All courses offered outside of the department must have advanced approval by a program director.

Sub-Total Credits	30
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Dissertation

*Note: A maximum of 6 dissertation credits may be taken per semester. In addition, a maximum of 12 dissertation credits may be counted toward the 72 required for program completion.

Item #	Title	Credits
MATH-550	PhD Dissertation	1-6
MATH-551	PhD Dissertation	1-6
	Sub-Total Credits	12
	Total credits:	72
