

**A minimum of 125 credits is needed for graduation (or 127 if MA 011 is taken).
 This major requires a minimum 43 credits. Some major courses may also fulfill Core Requirements.**

Requirements for B. S. Degree
Major in MATHEMATICS
 Academic Year 2008 – 2009

Name: _____

Advisor: _____

Mathematics Major Required Courses			Credits	Grade	Term
MA	121	Calculus I	4.00	_____	_____
MA	122	Calculus II	4.00	_____	_____
MA	222	Calculus III	4.00	_____	_____
MA	201	Linear Algebra	3.00	_____	_____
MA	235	Discrete Mathematics with Proofs	4.00	_____	_____
MA	301	Abstract Algebra	4.00	_____	_____
MA	351	Theory of Probability	4.00	_____	_____
MA	421	Real Analysis	4.00	_____	_____
CS	121	Computer Science I	4.00	_____	_____

Note: Acceptable Math Electives are Math courses numbered 251 and above.

Applied Mathematics Concentration

CS	122	Computer Science II	4.00	_____	_____
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Take 3 of the following offered Electives:

MA	321	Differential Equations	4.00	_____	_____
MA	331	Operations Research	3.00	_____	_____
MA	352	Mathematical Statistics	3.00	_____	_____
MA	362	Numerical Analysis	3.00	_____	_____

MA	_____	_____	3/4	_____	_____
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PHY	200	_____	4.00	_____	_____
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(Satisfies one of the two required Natural and Physical Science Core Requirements)

Pure Mathematics Concentration

MA	425	Complex Variables	3.00	_____	_____
MA	441	Topology	3.00	_____	_____

MA	_____	_____	3/4	_____	_____
MA	_____	_____	3/4	_____	_____

No Specific Concentration

MA	_____	_____	3/4	_____	_____
MA	_____	_____	3/4	_____	_____
MA	_____	_____	3/4	_____	_____
MA	_____	_____	3/4	_____	_____