General Education Requirements and Degree Information: BACHELOR OF ARTS IN MATHEMATICS ID: Update: Name: Advisor: Catalog: 2014-2015 **Major: Mathematics** ≈ Degree Grade Course Grade Credit Course Credit FY/Adv. Entry Seminar: **Natural Sciences:** 05-012/212 Exp. Lab: MAT or CSC: MAJOR Foreign Language (4 sem.) Social Sciences: 2 courses, must be diff. depts: III. **Social Justice Course:** Fine Arts Lecture: **Intercultural Perspective Course:** Fine Arts Performance: 2 different FRAs: Paideia: Cluster: Course 1: Humanities: 2 courses, may be same dept.: Course 2: Course 3: Seminar: Distinction:

A "C" average on all work attempted is required for graduation. No grade below "C-" may be counted toward the major or minor. At least 127 credits are required to earn a degree at Southwestern; of these, 64 credits must be completed in residence, including the last 32 credits. No more than 56 credit hours may be counted in one subject area. A major requires at least 30 credits, 60% upper-level, and a minor (optional) requires at least 18 credits (at least 12 upper-level). With the exception of FRAs and the FY/AES seminar, all gen.ed. requirements require a minimum of 3 credits, including Fine Arts Performance.

MATHEMATICS MAJOR (BA)

Major Courses:	Grade	Credit	Electives:	Grade	Credit
MAT52-154 Calculus I					
MAT52-254 Calculus II					
MAT52-354 Calculus III					

MAT52-674 Linear Algebra	
MAT52-684 Algebraic Structures I	
MAT52-854 Real Analysis I	
MAT52-894 Senior Seminar in Math Modeling	
Choose: 52-694 OR -864, or -754 & - 764	
MAT52-694 Algebraic Structures II OR	
MAT52-864 Real Analysis II OR	
MAT52-754 Differential Equations I AND	
MAT52-764 Differential Equations II	
2-3 additional courses at -300 or higher	
MAT52-XX4	
MAT52-XX4	
MAT52-XX4	
Required Support Course:	
CSC54-184 Computer Science I	

Additional requirement: Major field test taken with MAT52-894

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^{**}Minimum of 127 credits required.