General Education Requirements and Degree Information: BACHELOR OF SCIENCE IN MATHEMATICS

ID:

Name:

Major: Mathematics

Update:

Advisor:

Catalog: 2015-2016

Anticipated Degree Completion:

Course	Grade	Credit
FY/Adv. Entry Seminar:		
05-012/212		
Foreign Language (4 sem.)		
I.		
II.		
III.		
IV.		
Social Justice Course:		
Intercultural Perspective Course:		
2 different FRAs:		

B.S. students need take only 7 of the 8 highlighted requirements

Humanities: 2 courses, may be same dept.:		

Course	Grade	Credit
Natural Sciences:		
Exp. Lab:		B.S. CORE
MAT or CSC:		B.S. CORE
Social Sciences: 2 courses, must be diff. depts:		
Fine Arts Lecture:		
Fine Arts Performance:		
B.S. Core:		
BIO 50-123, 50-121		
BIO 50-133, 50-131		
CHE51-153/151		
CHE51-163/161		
MAT 52-154		MAJOR
1 from: 52-114, 52-254, or 54-184 *major specific		MAJOR
PHYS 53-154		
PHYS 53-164		

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 (BS)

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						
MAT52-754 Differential Equations						
MAT52-854 Real Analysis						
MAT52-894 Senior Seminar in Math Modeling						

3 additional courses, 3-4 credits each, above 300-level

MAT52-XXX		
MAT52-XXX		
MAT52-XXX		

Required Supporting Course:

CSC 54-184 Computer Science I		

Additional requirement:
Major field test taken with MAT52-894

Required Support Courses within B.S. Core

Paideia:

Cluster:	**Grade**	**Credit**
Course 1:		
Course 2:		
Course 3:		
Seminar:		
Distinction:		

Total credits w/gen ed:
**Minimum of 127 credits required.