

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

ID: _____
Name: _____
Major: Mathematics _____

Update: _____
Advisor: _____
Catalog: 2016-2017 _____
Anticipated Degree Completion: _____

Course	Grade	Credit
FY/Adv. Entry Seminar:		
05-014/214		

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, more than 50% 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
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		
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(normally to be completed no later than sophomore year)

Additional requirement:

Major field test taken with MAT52-894

Required Support Courses within B.S. Core

Electives:	Grade	Credit

Paideia:

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

Total credits w/gen ed:

****Minimum of 127 credits required.**