

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

ID: _____
Name: _____
Major: Mathematics

Update: _____
Advisor: _____
Catalog: 2014-2015 ≈ Degree

Course	Grade	Credit
FY/Adv. Entry Seminar:		
05-012/212		

Foreign Language (4 sem.)

I.		
II.		
III.		
IV.		

Social Justice Course:

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Intercultural Perspective Course:

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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:

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Fine Arts Performance:

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B.S. Core:

BIO 50-102, 50-112		
BIO 50-122, 50-162		
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
MAT52-154 Calculus I		
MAT52-254 Calculus II		
MAT52-354 Calculus III		

Electives:

	Grade	Credit

MAT52-674 Linear Algebra		
MAT52-684 Algebraic Structures I		
MAT52-754 Differential Equations I		
MAT52-854 Real Analysis I		
MAT52-894 Senior Seminar in Math Modeling		

1 course from: MAT52-694, -764, or -864

MAT52-694 Algebraic Structures II		
MAT52-764 Differential Equations II		
MAT52-864 Real Analysis II		

2 additional courses above 200-level

MAT52-XXX		
MAT52-XXX		

Required Supporting Course:

CSC 54-184 Computer Science I		
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Additional requirement:

Major field test taken with MAT52-894

Required Support Courses within B.S. Core

Paideia:

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

Total credits w/gen ed: _____

**Minimum of 127 credits required.