

BACHELOR OF SCIENCE IN MATHEMATICS

ID: _____
 Name: _____
 Major: Mathematics - BS
 Minor: _____

Date: _____
 Advisor: _____
 Catalog: 2018-19
 Grad Date: _____

Major Courses

11 Courses; Minimum 39 credits required; 26 credits must be from SU

MAT52-154	Calculus I		
MAT52-254	Calculus II		
MAT52-354	Calculus III		
MAT52-574	Probability and Mathematical Statistics		
MAT52-674	Linear Algebra		
MAT52-684	Algebraic Structures		
MAT52-754	Differential Equations		
MAT52-854	Real Analysis		
MAT52-894	Senior Seminar in Math Modeling (Capstone)		
Math Field Test			

Select two additional, approved upper level MAT courses (3-4cr each):

MAT52-XX4			
MAT52-XX4			

Required Supporting Courses:

CSC54-184	Computer Science I	E&B	0
CHE51-103/101	Principles of General Chemistry/Lab		
PHY53-154	Fundamentals of Physics I	E&B	0

Select one of the following:

BIO50-123/121	Living Systems/Invest. Into Living Systems*		
BIO50-133/131	Molecular and Population Genetics/Lab*		

Select one additional course from the following:

BIO50-123/121	Living Systems/Invest. Into Living Systems (if not taken above)*		
BIO50-133/131	Molecular and Population Genetics/Invest. Genetics (if not taken above)*		
CHE51-203/201	Chemical Kinetics & Equilibrium/Lab		
CSC54-284	Computer Science II		

*The same course cannot be used to satisfy more than one area within the required supporting course section.

University Electives:

GENERAL EDUCATION REQUIREMENTS

At least 30 total credits required, minimum 3 credits required per course

General Education Part I

First Year/Adv. Entry Seminar:

UST05-014 or UST05-214			
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Foreign Language (3 sem.)

Social Justice Course (may double count with any requirement):

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2 different FRAs:

Total Earned Credits:	0
Total Southwestern Credits:	
Total Major Credits:	0
Total Gen Ed Credits:	0

Graduation Requirements:

Minimum of 127 credits: _____
 Cumulative GPA > 2.0 _____
 GPA > 2.0 for Major and/or Areas of Concentration _____
 All grades C- or higher in major/minor/core? _____
 At least 64 credits completed at Southwestern* _____
 Less than 56 credits of any 5 digit prefix** _____
 Major credits completed (min 30 required) _____
 60% of Major courses completed at Southwestern (26cr) _____
 Gen Ed has minimum of 30 credits _____

Minor (optional):

Minimum 18 credits _____
 Minimum of 12 credits taken at Southwestern _____
 Minimum 2.0 minor courses CGPA _____

Other:

Degree Audit Completed (Due one year before grad date) _____
 Grad Application Submitted (Due start of final semester) _____
 Approved to be part time in last semester? _____

Exploration & Breadth (E&B) - GE Part II

Six total courses

MAT major and elective courses cannot be used to satisfy Exploration & Breadth requirements.

Select one course from each of the four following areas:

Humanities:

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Natural Sciences:

CSC54-184	Computer Science I		
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Social Sciences:

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Fine Arts:

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Select two additional courses from the four areas listed above. Courses must be from different areas and from different subjects from above courses:

PHY53-154	Fundamentals of Physics I (DVNS)		

*Public Speaking, College Writing and Creative Writing courses may not count in Exploration & Breadth

Notes: