

Notes

- Major requires 48-52 credit hours.
- Some students will have taken the equivalent of MATH 120 & 121 in high school; others will take MATH 120 & 121 at Simmons prior to taking MATH 220.

Core Requirements

Majors will complete a core of the following courses.

Course #	Course Title	Credits	Completed
MATH 118 OR MATH 227	Introductory Statistics OR Statistical Design and Analysis	4	
MATH 210	Discrete Math	4	
MATH 211	Linear Algebra	4	
MATH 220	Multivariable Calculus	4	
MATH 310	Modern Algebra	4	
MATH 320	Introduction to Real Analysis I	4	
MATH 321	Introduction to Real Analysis II	4	
CS 112	Introduction to Computer Science OR another programming course, with departmental approval.	4	

Electives

Choose ONE elective from the following courses.

Course Selected	Credits	Completed
	4	

MATH 338 Probability
MATH 343 Mathematical Modeling

Choose TWO electives from the following courses, at least one of which must be at the 300 level

Course Selected	Credits	Completed
	4	
	4	

MATH 213 Social Networks Analysis
MATH 221 Vector Calculus with Applications
MATH 225 Differential Equations
MATH 338 Probability*
MATH 343 Mathematical Modeling*
MATH 390 Special Topics in Mathematics Seminar
(may be taken more than once)

*may not double count with the above requirement

Capstone

Complete 4-8 credit hours to fulfill the Capstone Requirement. MATH 390 may be used to satisfy Capstone.

Course(s) Selected	Credits	Completed

PLAN Requirements

The Simmons PLAN is the undergraduate core curriculum. Some PLAN courses will be fulfilled with courses required for this major, as indicated below. Additional PLAN requirements may be fulfilled through electives, courses in minors or other course offerings. Work closely with your advisor(s) to choose courses.

Year	Semester	Course Title	Credits	Completed
One	Fall	BOS 101: The Boston Course	4	
		SIM 101: The Simmons Course: Explore	2	
	Spring	LDR 101: The Leadership Course	4	
Two	Fall or Spring	The Learning Community: Two discipline courses & one integrative seminar	8	
		SIM 201: The Simmons Course: Experience	1	
Three	Fall or Spring	SIM 301: The Simmons Course: Excel	1	
Three & Four	Fall or Spring	3D*– Design Across Diverse Disciplines	12	
Any	Requirements		Course Selected	
	Language: Two semesters in the same language, taken sequentially and strongly encouraged to complete within their first two years.			4
				4
	Quantitative Literacy (QL)		MATH 118 or higher	4
	Key Content Areas** (KCAs)	Aesthetic, Literary and Artistic (ALA)		4
		Global Cultural (GC)		4
		Scientific Inquiry (SCI)	CS 112	4
		Social and Historical (SH)		4

***3D–** Design Across Diverse Disciplines– requirement may be met with one course in your major, and two additional courses that may also count as KCAs.

****KCAs –** May be covered by Major, Learning Community and/or 3D courses.

Department Contact

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