

Notes

- Major requires 56-60 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	Introductory Statistics	4	
MATH 220	Multivariable Calculus	4	
MATH 211	Linear Algebra	4	
MATH 227	Statistical Design and Analysis	4	
MATH 228	Introduction to Data Science	4	
MATH 229	Regression Models	4	
MATH 338	Probability	4	
MATH 339	Statistical Theory	4	
MATH 391	Special Topics Seminar in Statistics or Biostatistics	4	
CS 112	Introduction to Computer Science	4	
MATH 4101	Programming in SAS (Emmanuel)	4	

Biology Course

Choose ONE Biology course from the following list.

Course Selected	Credits	Completed
	4	
BIOL 104 Introduction to Environmental Science		
BIOL 113 OR General Biology OR		
BIOL 115 Advanced General Biology		
BIOL 123 Principles of Microbiology		

ONE 200- or 300- level Biology course or PH 201- Epidemiology or BIO 336 is recommended.

Course Selected	Credits	Completed
	4	

Capstone

Complete 4-8 credit hours to fulfill the Capstone Requirement. At least 4 credits must be completed in Mathematics. MATH 391 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	Complete
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	
	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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