

**Suggested 4-year program plan
Mathematics Major (Emphasis in Statistics)**

Note: This recommended schedule includes only the mathematics program requirements. It does not include other degree requirements for graduation (e.g., University Studies Program requirements).

Year	Core Courses	Other Required Courses		Elective(s)
Freshman	Math 171 (4 cr) Math 172 (4 cr)			
Sophomore	Math 222 (3 cr) Math 256 (3 cr) Math 273 (4 cr) Math 301 (3 cr)			
Junior			Analysis (3 cr): Math 467 or Math 480	3 additional credits not already taken, chosen from the Upper Level Course list (see below). (Note that Math 331 and Math 334 do NOT meet this requirement)
Senior		Capstone (2-3 cr): Math 403, Math 446 or Math 474	Algebra (3 cr): Math 346, Math 347, Math 348, or Math 349 Statistics (9 cr): • Math 385 • Math 401 • Math 302 or Math 386	

Upper Level Course List

Algebra:	Math 346 Linear Algebra Math 347 Intro to Group Theory	Math 348 Intro to Ring Theory Math 349 Intro to Number Theory
Analysis:	Math 375 Vector & Complex Analysis Math 467 Intro to Real Analysis	Math 480 Intro to Topology
Applied:	Math 352 Computing Math w/ Apps Math 355 Intro to Numerical Analysis Math 356 Linear Numerical Analysis	Math 371 Differential Equations Math 376 Partial Diff. Eq. & BVPs
Statistics:	Math 302 Intermediate Statistical Methods Math 304 Intro to Nonparametric Methods Math 305 Stats for Quality & Productivity Math 381 Stochastic Modeling	Math 385 Applied Regression Analysis Math 386 Linear Statistical Models Math 401 Mathematical Statistics