

Name: _____

ID#: _____

Department of Mathematics and Statistics

PURE MATHEMATICS CONCENTRATION

Lower Division Requirements

Course	Title	Semester
Math 131	Calculus I	
Math 132	Calculus II	
Math 233	Calculus III	
Math 235	Linear Algebra	
CS 121	Programming	
Math 300 (or CS 250)	Intro to Abstract Math	
Math 370	Jr. Yr. Writing	

Integrative Experience (IE) for Primary Math/Stat Majors

One of: Math 455, Math 456, Math 475, Stat 525. The IE can also satisfy another requirement on this page. Math 455 is the recommended IE for this concentration.

Course	Semester

Upper Division Requirements

Course	Title	Semester
Math 411	Abstract Algebra	
Math 421	Complex Variables	
Math 523H	Real Analysis	

Comments:

Upper Division Requirements (Continued)

Advanced Analysis, Geometry, or Algebra

Two of: Math 425 (no longer offered), Math 524, Math 412, Math 497K, Math 563H.

Course	Semester

Applied Mathematics

One of: Math 331, Math 456 (also satisfies Math/Stat IE requirement), Math 532H, Math 534H, Math 551, Math 552, or Stat 516.

Course	Semester

Upper Division Electives

Two (2) additional 3-credit Math or Stat courses numbered 390 or higher (except Stat 501). One can be Math 331 if not used above.

Primary majors may use one approved course from outside the department toward this requirement. Secondary majors may use two. The list of approved courses is at:

<https://www.math.umass.edu/undergraduate/minor#course%20list>

Course	Semester