

Name: \_\_\_\_\_

ID#: \_\_\_\_\_

**Department of Mathematics and Statistics**

**APPLIED MATH CONCENTRATION**

**Lower Division Requirements**

Course	Title	Semester
Math 131	Calculus I	
Math 132	Calculus II	
Math 233	Calculus III	
Math 235	Linear Algebra	
Info 190S (or CS 121)	Programming	
Math 300 (or CS 250)	Intro to Abstract Math	
Math 370	Junior Year Writing	

**Integrative Experience (IE) for Primary Math/Stat Majors**

One of the following:

- Math 455
- Math 456
- Math 475
- Stat 525

The IE can also satisfy another requirement on this page.

**Upper Division Requirements**

**Advanced Calculus**

Replaces the requirement of Math 425, which is no longer offered.

One of: Math 397C, Math 421, Math 425, Math 523H, Math 524, Math 532H, Math 534H, Math 552, Math 597U, Stat 516, or Stat 525.

Course	Semester

**Comments:**

**Upper Division Requirements (Continued)**

**Diff Eqs, Lin Alg for Applied Math, and Scientific Computing**

Course	Title	Semester
Math 331	Differential Equations	
Math 545	Adv. Linear Algebra	
Math 551	Scientific Computing	

One of: Math 456 (satisfies Math/Stat IE requirement), Math 532H, Math 534H, Math 552.

Course	Semester

**Upper Division Electives**

Choose three (3) additional 3 credit Math or Stat courses numbered 390 or higher (except Stat 501).

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