Name: _____   ID#: _____

Department of Mathematics and Statistics

APPLIED MATH CONCENTRATION

<u>**Lower Division Requirements**</u>

Course	Title	Semester
Math 131	Calculus I	
Math 132	Calculus II	
Math 233	Calculus III	
Math 235	Linear Algebra	
CICS 110 (or Info 190S or CS 121)	Programming	
Math 300 (or CS 250)	Intro to Abstract Math	
Math 370	Junior Year Writing	

Integrative Experience (IE) for <u>Primary</u> 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.

<u>**Upper Division Requirements**</u>

Advanced Calculus

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

One of: Math 405/397C, Math 421, Math 425, Math 522/597F, Math 523H, Math 524, Math 532H, Math 534H, Math 548/597U, Math 552, Stat 516, or Stat 525.

Course	Semester

Comments:

<u>**Upper Division Requirements (Continued)**</u>

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). Stat 315/515 can also count.

Primary majors may use <u>one</u> approved course from outside the department toward this requirement. Secondary majors may use <u>two</u>. The list of approved courses is at: https://www.umass.edu/mathematics-statistics/undergraduate/minor#course%20list

Course	Semester