

MATHEMATICS MAJORS CHECKLIST  
MATHEMATICAL COMPUTING

NAME: \_\_\_\_\_ CLASS: \_\_\_\_\_ EMAIL: \_\_\_\_\_  
@umass.edu

\_\_\_\_\_ LOWER DIVISION \_\_\_\_\_

Calculus I:        Math 131     \_\_\_\_\_  
Calculus II:       Math 132     \_\_\_\_\_  
Calculus III:      Math 233     \_\_\_\_\_  
Linear Algebra:    Math 235     \_\_\_\_\_

Programming:        CS 121        \_\_\_\_\_  
Data Structures:     CS 187        \_\_\_\_\_

\*CS 187 is needed for CS 250, but is not an official major requirement.

Intro Abstract Math: CS 250     or    Math 300 and Math 455     \_\_\_\_\_  
Jr. Yr. Writing:        Math 370     or    CS 305        \_\_\_\_\_

\_\_\_\_\_ UPPER DIVISION \_\_\_\_\_

Algebra:                    Math 411     \_\_\_\_\_  
Probability:                Stat 515     \_\_\_\_\_  
Intro Scientific Computing: Math 551     \_\_\_\_\_  
Algorithms:                CS 311        \_\_\_\_\_

Two of Math 331, 412, 471, 456, 545, 552, or Stats 516

Choice 1)     \_\_\_\_\_

Choice 2)     \_\_\_\_\_

\*Suggested Integrative Experience (IE) courses for Primary Majors: Math 455 or Math 456.

\*Math 456 would also count for one of the above math electives, but 455 would not.

CS 501 or CS 575 or Math 513     \_\_\_\_\_

CS Elective:     \_\_\_\_\_

\*The CS Elective can be any 300+ level Computer Science course, but not CS 305, 311, or any course used to satisfy another requirement on this sheet.

\_\_\_\_\_ COMMENTS \_\_\_\_\_