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       _____
Numerics:          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 _______________________________