Mathematics and Statistics Double Major Checklist

Name: ____________________
Year: ____________________

Was Statistics Declared before May 7, 2016?  Yes  No
Was Mathematics Declared before May 12, 2017?  Yes  No

Math Background Courses: Must take or place out of each.

Math 111 _____  Math 121 _____
Math 211 _____  Math 271 or 272 _____
Math Background Courses: _____/4

Statistics Courses: Must take or place out of each.

Stat 111 or 135 _____  Stat 230 _____
Stat 360 _____  Stat 370 _____
Stat 495 _____ (pre-reqs 230, 370, computing req)  Statistics Courses: _____/5

Mathematics Courses: Must take or place out of each.

Math 350 _____  Math 355 _____
Math Courses: _____/2

Elective Courses for Statistics:
For class of 2016 and 2017 majors, and all others who declared statistics before May 7, 2016:
Two additional courses are required to complete the statistics major - one from each row below.

(Computer Requirement) Math 140 _____ OR COSC 111 _____ OR another approved elective _____

(Depth Requirement) Any Stat elective 200+ _____ OR another approved statistics elective _____
Total Statistics Elective Courses: _____/2

For class of 2018 or later majors who declared statistics after May 7, 2016:
Four additional courses are required to complete the statistics major.

(Computing Requirement) Two courses in Computer Science at the level of 111 or higher
COSC 111 _____  COSC 112 _____  COSC _____  COSC _____

(Depth Requirement) Two Statistics electives 200+ _____  _____
OR other approved statistics electives (if not Amherst courses)  _____  _____
Total Statistics Elective Courses: _____/4

Elective Courses for Mathematics:
Four additional electives are required to complete both majors, as one course listed above, not in the background or mathematics courses sections, may be applied to the mathematics major (total 5 electives are required). By default, we count this course as Stat/Math 360: Probability.

Course being applied to mathematics major: __Stat/Math 360__

Two electives in mathematics are required, numbered 135 or higher. For majors declared after May 12, 2017, at least one of these electives must be numbered 200 or higher.

Math _____  Math _____

Last Updated: 3/13/2017
Two additional electives are required which can be electives in math or courses from the approved list below.

Math _____  Math _____

**Approved List:**

- Computer Science:
  - COSC 201/211
  - COSC 301/311
  - COSC 401

- Physics (any >= 116 except 227)
  - PHYS

- Philosophy
  - PHIL 350

- Economics
  - ECON 300
  - ECON 301
  - ECON 361
  - ECON 420

(Note that a COSC course cannot be used here if it is used for Statistics above)

**Total Mathematics Elective Courses: _____/4**

**Overall Progression: _____/17 (or 19)**

(19 for class of 2018+ who declared statistics after May 7, 2016)

**Placement:**

List the courses you placed out of:

For the statistics major:
Statistics majors may place out of up to three courses without having to replace those courses. Students placing out of more than 3 courses must replace each course beyond the third placed out of with additional courses approved by the Department to complete the major.

For the mathematics major:
Students placing out of Math 271/272, 350, or 355 must take an *additional* math elective for each of those courses they place out of.

**Mathematics Honors Qualifying Status:**

- Qualified
- Not Qualified

(qualifying for honors satisfies the comprehensive evaluation in mathematics)

**Mathematics Comprehensive Evaluation Status:**

- Completed
- Not Completed

**Statistics Honors Qualifying Status:**

- Qualified
- Not Qualified

(qualifying for honors does not satisfy the comprehensive evaluation in statistics)

**Statistics Comprehensive Evaluation Status:**

- Completed
- Not Completed

**Mathematics Honors Program Checklist:**

Math 345 _____
Math 400-489 _____ (Note: these count as math electives above).