

## Mathematics Major Checklist

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

Year: \_\_\_\_\_

### Core Courses:

Must take or place out of each. Note: students placing out of Math 211 and/or 271/272 must replace those courses with an **additional** mathematics course numbered between 225 and 490. (For Math 211, that rule applies to students in the class of 2027 and above.) Students who place out of Math 350 and/or 355 must replace those courses with an **additional** math elective numbered between 300-490.

#### Calculus

Math 111 \_\_\_\_\_

Math 121 \_\_\_\_\_

Math 211 \_\_\_\_\_

#### Linear Algebra

Math 271 or 272 \_\_\_\_\_

#### Algebra and Analysis

Math 350 \_\_\_\_\_

Math 355 \_\_\_\_\_

**Total Core:** \_\_\_\_\_/6

**Elective Courses:** (Total: FIVE electives; may be more due to placing out of advanced courses.) Mathematics electives must be numbered 135 or higher. At least two of these electives must be numbered 200 or higher.

**(Minimum) Three Electives in Mathematics:** Math \_\_\_\_\_ Math \_\_\_\_\_ Math \_\_\_\_\_

#### Electives Taken Due to Placing out of Linear Algebra, Algebra or Analysis:

Math \_\_\_\_\_ Math \_\_\_\_\_ Math \_\_\_\_\_

#### Two Additional Courses: Electives in Mathematics OR From Approved List:

Math \_\_\_\_\_ Math \_\_\_\_\_ (Cross-listed statistics courses (135/360/370) count as math electives.)

#### Approved List:

Computer Science

COSC 211 \_\_\_\_\_

COSC 311 \_\_\_\_\_

COSC 401 \_\_\_\_\_

Astronomy (200, any  $\geq$  226)

ASTR 200 \_\_\_\_\_ (not if MATH/STAT 135 is counted)

ASTR \_\_\_\_\_

ASTR \_\_\_\_\_

Physics (any  $\geq$  116 except 227)

PHYS \_\_\_\_\_

PHYS \_\_\_\_\_

Economics

ECON 224 \_\_\_\_\_

ECON 300 \_\_\_\_\_

ECON 301 \_\_\_\_\_

ECON 331 \_\_\_\_\_

ECON 361 \_\_\_\_\_

ECON 420 \_\_\_\_\_

Statistics (any  $\geq$  210)

STAT \_\_\_\_\_

STAT \_\_\_\_\_

Chemistry

CHEM 361 \_\_\_\_\_

Geology

GEOL 341 \_\_\_\_\_

**Total Electives:** \_\_\_\_\_/5

**Comprehensive Evaluation Status:** Completed Not Completed

**Honors Qualifying Status:** Qualified Not Qualified

Note that qualifying for honors satisfies the comprehensive evaluation.

#### Honors Program Checklist:

Math 345 \_\_\_\_\_ Math 400-489 \_\_\_\_\_ (Note these count as electives above).

**Course Planning** - Please use the semester outline below to help plan your progress through the major, in conjunction with your advisor. It is helpful to take notes about major events such as if you plan to study away, write a thesis (in Mathematics or another major), etc. to craft a path that will work well for you.

Year	Fall Semester	Spring Semester
1		
2		
3		
4		

**Double Majors:** Double majors in mathematics and statistics must complete a total of 20 courses (or 19, if statistics was declared prior to May 3, 2019). Math 111, Math 121, Math 271-or-272 (if required for their statistics major), and at most one other course (usually Math/Stat 360) can be counted towards both majors. Aside from this permitted overlap, statistics courses or computer science courses counted towards the statistics major may not also be counted towards the mathematics major. Double majors should fill out both major checklists and are encouraged to consult with faculty in the Department to verify that they have satisfied all requirements.