

# JOINT MATHEMATICS & ECONOMICS MAJOR (EN 28)

Effective FA19 all majors in the Department of Economics are no longer capped. To become one of our majors, students simply need to select the major using the Major/Minor Tool on TritonLink. All major requirements must be taken for a letter grade and passed with a C- or better, unless otherwise noted. **Students must have a minimum 2.0 major GPA, in order to graduate.**

## LOWER DIVISION MATH COURSES:

### Option 1:

Calculus: Math 20A\_\_\_\_\_ Math 20B\_\_\_\_\_ Math 20C\_\_\_\_\_ Math 20D\_\_\_\_\_ Math 18 (formerly 20F) \_\_\_\_\_

### OR

Option 2: Honors Calculus: Math 31AH\_\_\_\_\_ Math 31BH \_\_\_\_\_ Math 20D\_\_\_\_\_

## LOWER DIVISION ECON COURSES:

Intro Micro/Macro: Econ 1\_\_\_\_\_ Econ 3\_\_\_\_\_

## UPPER DIVISION CORE

15 upper-division courses in math and economics, with **a minimum of 7** courses in each department

|   | ECON               |           | MATH         |
|---|--------------------|-----------|--------------|
| 1) <b>Mathematical Reasoning:</b> Math 109 <sup>1</sup>   |                    |           | _____        |
| 2) <b>Linear Algebra:</b> Math 100A-B <b>OR</b> Math 102 <b>OR</b> Math 170A                                  |                    |           | _____        |
| 3) <b>Math Analysis/Calculus:</b> Math 140A <b>OR</b> Math 142A <sup>2</sup>                                  |                    |           | _____        |
| 4) <b>Differential Equations:</b> Math 130A (Math 130 effective FA19) <b>OR</b> Math 140B <b>OR</b> Math 142B |                    |           | _____        |
| 5) <b>Microeconomics:</b> Econ 100A-B-C   | _____A_____B_____C |           |              |
| 6) <b>Econometrics</b>  |                    |           |              |
| Econ 120A <b>OR</b> Math 180A   | _____A             | <b>OR</b> | _____A       |
| Econ 120B <b>OR</b> Math 181A-B   | _____B             | <b>OR</b> | _____A_____B |
| Econ 120C   | _____C             |           |              |
| 7) <b>Sequence</b>  |                    |           |              |
| Econ 110A-B <b>OR</b> Math 171A-B   | _____A_____B       | <b>OR</b> | _____A_____B |
| <b>OR</b> Choose two: Econ 171, 172A, 172B  |                    |           |              |
| 8) <b>Economics Electives (if needed)</b>   |                    |           |              |
| Recommended: Econ 109, 113, 173A-B, 174, 178  | _____              |           |              |
| 9) <b>Math Electives (if needed)</b>  |                    |           |              |
| Recommended: Math 190, 193A-B   |                    |           | _____        |
| <b><u>TOTAL COURSES</u></b>   | _____              |           | _____        |
|   | <b>ECON</b>        |           | <b>MATH</b>  |

## HONORS

Students interested in Departmental Honors should meet with a department advisor for information on the requirements.

<sup>1</sup> Students completing Math 31CH may substitute a four-unit upper-division mathematics elective for Math 109.

<sup>2</sup> When choosing across the Math 140 or 142 series, it is recommended that students take Math 142.