

# HONORS IN ECONOMICS/MATHEMATICS

## JOINT MAJOR CURRICULUM

18 COURSES ::: 72 CREDITS

<http://math.nyu.edu/degree/undergrad/>

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

N#: \_\_\_\_\_

<b><i>Economics (9 Total) Must take Theory Sequence</i></b>	Semester	Grade	AP/Transfer
ECON-UA 1 – Introduction to Macroeconomics			
ECON-UA 2 – Introduction to Microeconomics			
ECON-UA 11 – Microeconomic Analysis			
ECON-UA 13 – Macroeconomic Analysis			
ECON-UA 20 – Analytical Statistics ( <i>if not taking MATH-UA 334 - Mathematical Statistics</i> )			
ECON-UA 266 - Introduction to Econometrics			
<b>Three</b> economics electives, including two theory centered courses numbered 300 or higher, from list on Economics Department Website			

<b><i>Math Courses (9 Total)</i></b>	Semester	Grade	AP/Transfer
MATH-UA 131 Math for Economics I or MATH-UA 121 Calculus I			
MATH-UA 132 Math for Economics II or MATH-UA 122 Calculus II			
MATH-UA 133 Math for Economics III or MATH-UA 123 Calculus III or MATH-UA 129 Honors Calculus III ( <i>recommended</i> )			
MATH-UA 140 Linear Algebra or MATH-UA 148 Honors Linear Algebra ( <i>recommended</i> )			
MATH-UA 328 Honors Analysis I			
<b>Two</b> of the following honors electives:			
- MATH-UA 268 Honors Ordinary Differential Equations			
- MATH-UA 329 Honors Analysis II			
- MATH-UA 338 Honors Theory of Probability			
- MATH-UA 348 Honors Algebra I			
- MATH-UA 349 Honors Algebra II			
- MATH-UA 358 Honors Numerical Analysis			
- MATH-UA 393 Honors I			
- MATH-UA 394 Honors II			
- MATH-UA 397 Honors III			
- MATH-UA 398 Honors IV			
<b>Two</b> of the following advanced math electives:			
- MATH-UA 240 Combinatorics			
- MATH-UA 250 Mathematics of Finance			
- MATH-UA 251 Intro to Mathematical Modeling			
- MATH-UA 262 Ordinary Differential Equations or MATH-UA 268 Honors Ordinary Differential Equations**			
- MATH-UA 263 Partial Differential Equations			
- MATH-UA 264 Chaos & Dynamical Systems			
- MATH-UA 333 Theory of Probability or MATH-UA 338 Honors Theory of Probability**			
- MATH-UA 334 Mathematical Statistics			
- MATH-UA 352 Numerical Analysis or MATH-UA 358 Honors Numerical Analysis**			
- MATH-UA 353 Linear and Nonlinear Optimization			
- MATH-UA 382 Functions of a Complex Variable			

\*\*If not fulfilling two required Honors courses

ECON-UA Thesis, SURE Research Project or at least six credits of approved MATH-UA research independent study