

# 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 Theory			
ECON-UA 13 – Macroeconomic Theory			
ECON-UA 20 – Analytical Statistics ( <i>if not taking MATH-UA 334 - Mathematical Statistics</i> )			
ECON-UA 266 - Introduction to Econometrics			
<b>Two</b> electives numbered ECON-UA 3xx			
<b>One</b> elective ECON-UA 2xx			
*If not taking ECON-UA 20, take any one ECON-UA elective:			

<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			
MATH-UA 140 – Linear Algebra or MATH-UA 148 Honors Linear Algebra			
MATH-UA 325 – Analysis or MATH-UA 328 Honors Analysis I			
<b>Four</b> of the following courses:			
- MATH-UA 240 – Combinatorics			
- MATH-UA 248 – Theory of Numbers			
- MATH-UA 250 – Mathematics of Finance			
- MATH-UA 251 – 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 329 – Honors Analysis II			
- MATH-UA 333 – Theory of Probability or MATH-UA 338 Honors Theory of Probability			
- MATH-UA 334 – Mathematical Statistics			
- MATH-UA 343 – Algebra or MATH-UA 348 Honors Algebra I			
- MATH-UA 349 – Honors Algebra II			
- MATH-UA 352 – Numerical Analysis or MATH-UA 358 Honors Numerical Analysis			
- MATH-UA 353 – Linear and Nonlinear Optimization			
- MATH-UA 375 – Topology			
- MATH-UA 377 – Differential Geometry			
- MATH-UA 382 – Functions of a Complex Variable			
- MATH-UA 393, 394, 397, 398 – Honors I, Honors II, Honors III, Honors IV			