MATHEMATICS Honors Program
MAJOR CURRICULUM
(Starting with the 2019 Cohort)
13 COURSES AND RESEARCH PROJECT ::: 52 CREDITS

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

Name: _____ N#: _____

Math Major Courses (13 Total)	Semester	Grade	AP/Transfer
MATH-UA 120 – Discrete Mathematics			
MATH-UA 121 – Calculus I			
MATH-UA 122 – Calculus II			
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*			
MATH-UA 343 – Algebra or *MATH-UA 348 Honors Algebra I*			
Three of the following advanced math electives:			
- MATH-UA 240 – Combinatorics			
- MATH-UA 248 – Theory of Numbers			
- 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 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 – Honors I*			
- *MATH-UA 394 – Honors II*			
- *MATH-UA 397 – Honors III*			
- *MATH-UA 398 – Honors IV*			
Three General Electives Numbered MATH-UA 120 or Higher:			
1.			
2.			
3.			
While working through the above requirements, **you must complete four of the *Honors Electives***			
S.U.R.E. Research Project or at least **six credits** of approved MATH-UA research independent study			