

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#: _____

<i>Math Major Courses (13 Total)</i>	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 <i>MATH-UA 328 Honors Analysis I</i>			
MATH-UA 343 – Algebra or <i>MATH-UA 348 Honors Algebra I</i>			
Three of the following courses:			
- MATH-UA 233 – Theory of Probability or <i>MATH-UA 238 Honors Theory of Probability</i>			
- MATH-UA 234 – Mathematical Statistics			
- MATH-UA 240 – Combinatorics			
- MATH-UA 248 – Theory of Numbers			
- MATH-UA 252 – Numerical Analysis			
- MATH-UA 253 – Linear and Nonlinear Optimization			
- MATH-UA 262 – Ordinary Differential Equations or <i>MATH-UA 268 Honors Ordinary Differential Equations</i>			
- MATH-UA 263 – Partial Differential Equations			
- MATH-UA 264 – Chaos & Dynamical Systems			
- MATH-UA 282 – Functions of a Complex Variable			
- <i>MATH-UA 329 – Honors Analysis II</i>			
- <i>MATH-UA 349 – Honors Algebra II</i>			
- MATH-UA 375 – Topology			
- MATH-UA 377 – Differential Geometry			
- <i>MATH-UA 393 – Honors I</i>			
- <i>MATH-UA 394 – Honors II</i>			
- <i>MATH-UA 397 – Honors III</i>			
- <i>MATH-UA 398 – Honors IV</i>			
Three Electives 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. or A.M. - S.U.R.E. Research Project or other approved research			

NOTES: _____

**Please declare your major by completing the major declaration form online:

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