

MATHEMATICS Honors Program

MAJOR CURRICULUM

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 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 252 – Numerical Analysis | | | |
| - MATH-UA 253 – Linear and Nonlinear Optimization | | | |
| - MATH-UA 263 – Partial Differential Equations | | | |
| - 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 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> | | | |
| Four Electives MATH-UA 120 or higher | | | |
| 1. | | | |
| 2. | | | |
| 3. | | | |
| 4. | | | |
| 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>