# MATHEMATICS Honors Program

## MAJOR CURRICULUM

(Starting with the 2019 Cohort)

### 13 COURSES AND RESEARCH PROJECT :::: 52 CREDITS

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

<table>
<thead>
<tr>
<th>Name:</th>
<th>N#:</th>
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<thead>
<tr>
<th><strong>Math Major Courses (13 Total)</strong></th>
<th>Semester</th>
<th>Grade</th>
<th>AP/Transfer</th>
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<tbody>
<tr>
<td>MATH-UA 120 – Discrete Mathematics</td>
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<td>MATH-UA 121 – Calculus I</td>
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<td>MATH-UA 122 – Calculus II</td>
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<td>MATH-UA 123 – Calculus III or MATH-UA 129 Honors Calculus III</td>
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<td>MATH-UA 140 – Linear Algebra or MATH-UA 148 Honors Linear Algebra</td>
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<td>MATH-UA 325 – Analysis or MATH-UA 328 Honors Analysis I</td>
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<td>MATH-UA 343 – Algebra or MATH-UA 348 Honors Algebra I</td>
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**Three** of the following courses:

- MATH-UA 233 – Theory of Probability or MATH-UA 238 Honors Theory of Probability
- 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
- MATH-UA 329 – Honors Analysis II
- MATH-UA 349 – Honors Algebra II
- MATH-UA 377 – Differential Geometry
- MATH-UA 393 – Honors I
- MATH-UA 394 – Honors II
- MATH-UA 397 – Honors III
- MATH-UA 398 – Honors IV

**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:

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

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