# 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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### Math Major Courses (13 Total)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester</th>
<th>Grade</th>
<th>AP/Transfer</th>
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<tbody>
<tr>
<td>MATH-UA 120</td>
<td>Discrete Mathematics</td>
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<tr>
<td>MATH-UA 121</td>
<td>Calculus I</td>
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<tr>
<td>MATH-UA 122</td>
<td>Calculus II</td>
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<tr>
<td>MATH-UA 123</td>
<td>Calculus III or MATH-UA 129 Honors Calculus III</td>
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<tr>
<td>MATH-UA 140</td>
<td>Linear Algebra or MATH-UA 148 Honors Linear Algebra</td>
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<td>MATH-UA 325</td>
<td>Analysis or MATH-UA 328 Honors Analysis I</td>
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<tr>
<td>MATH-UA 343</td>
<td>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 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:

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

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