**MATHEMATICS**

**MAJOR CURRICULUM**
(Starting with the 2014 Cohort)

13 COURSES ::: 52 CREDITS

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

Name: ___________________________ N#: ___________________________

### Math Major Courses (13 Total)

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester</th>
<th>Grade</th>
<th>AP/Transfer</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH-UA 121 – Calculus I</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH-UA 122 – Calculus II</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH-UA 123 – Calculus III or MATH-UA 129 Honors Calculus III</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH-UA 140 – Linear Algebra or MATH-UA 148 Honors Linear Algebra</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH-UA 325 – Analysis or MATH-UA 328 Honors Analysis I</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH-UA 343 – Algebra or MATH-UA 348 Honors Algebra I</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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 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 MATH-UA 268 Honors Ordinary Differential Equations
- MATH-UA 263 – Partial Differential Equations
- MATH-UA 264 – Chaos & Dynamical Systems
- MATH-UA 282 – Functions of a Complex Variable
- MATH-UA 329 – Honors Analysis II
- MATH-UA 349 – Honors Algebra II
- MATH-UA 375 – Topology
- MATH-UA 377 – Differential Geometry
- MATH-UA 393, 394, 397, 398 – Honors I, Honors II, Honors III, Honors IV

**Four** Electives MATH-UA 120 or higher

1. 
2. 
3. 
4. 

**NOTES:**

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

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