MATHEMATICS, BACHELOR OF ARTS

Offered by Department of Mathematics and Statistics (http://catalog.unk.edu/undergraduate/departments-programs/mathematics-statistics)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</table>

### General Studies

**Foundational Core (Written, Math, Oral, Democracy)**

Foundational Core courses (http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses) 14

Including:

- MATH 115  Calculus I with Analytic Geometry 1

**Portal**

Select one course numbered 188 (http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/portal-course) 3

**Distribution**

- ENG 101  Introduction of Academic Writing 3

If ENG 101 is not taken as a prerequisite for ENG 102 then additional hours may be required to meet the 27 credit hour minimum in the Distribution Area of General Studies.

- Humanities (http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/humanities) 6

- Social Sciences (http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/social-sciences) 6

- Natural Sciences (http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/natural-sciences) 7

**Analytical and Quantitative Thought** (http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/analytical-quantitative-thought) 0

- Wellness (http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/wellness) 0

- Needed to reach 27 credit hour minimum in Distribution 2

**Capstone**

Select one course numbered 388 (http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/capstone-course) 3

### BA Language requirement

Complete all required courses 2 6

### Major Option

Complete all required courses 34

### Minor or 2nd Major

Complete all required courses 3 24

### Unrestricted electives

Needed to reach 120 credit hour minimum 9

Total Credit Hours 120

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1. Students without sufficient preparation will also need to take the following courses, increasing the total credit hours needed:
   - MATH 102
   - MATH 103

2. For specific language requirements see #2 of Bachelor of Arts Degree requirements (http://catalog.unk.edu/undergraduate/academics/degrees/ba).

3. A minor or second major is required for a complete degree program. The number of required electives needed to reach 120 total credit hours overall will depend upon the specific program chosen.

4. Except MATH 330, MATH 440 or MATH 470.

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**Math Core Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>MATH 202</td>
<td>Calculus II with Analytic Geometry</td>
<td>5</td>
</tr>
<tr>
<td>MATH 250</td>
<td>Foundations of Math</td>
<td>3</td>
</tr>
<tr>
<td>MATH 260</td>
<td>Calculus III</td>
<td>5</td>
</tr>
<tr>
<td>MATH 305</td>
<td>Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>MATH 350</td>
<td>Abstract Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 440</td>
<td>Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 460</td>
<td>Advanced Calculus I</td>
<td>3</td>
</tr>
<tr>
<td>STAT 441</td>
<td>Probability and Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

### Electives

Select 6 credit hours of the following: 6

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>MATH 300-MATH 499</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>STAT 300-STAT 499</td>
<td></td>
<td>2</td>
</tr>
</tbody>
</table>

Total Credit Hours 34

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Must be completed with no grade below a "C".