The Mathematics major offers a foundation for students interested in acquiring and developing intellectual tools for understanding and solving the complex mathematical problems arising in the modern world. The program offers courses in all major areas of pure and applied mathematics. A friendly environment facilitates in-depth learning and stimulating introduction to research.

**Freshman Year**

**FALL SEMESTER**
- UK Core - Comp. & Comm. I - **3**
- Foreign Language 101 - **4**
- Required Calculus Course - **5**
- UK Core - Humanities - **3**

**TOTAL HOURS: 15**

**SPRING SEMESTER**
- CS 115 - INTRODUCTION TO COMPUTER PROGRAMMING - **3**
- UK Core - Comp. & Comm. II - **3**
- Foreign Language 102 - **4**
- Required Calculus Course - **5**

**TOTAL HOURS: 15**

Total Freshman Hours: 30

**Sophomore Year**

**FALL SEMESTER**
- MA 213 - CALCULUS III - **4**
- Foreign Language 201 - **3**
- UK Core - Natural, Physical and Math - **3**
- UK Core - Statistical Inferential Reason - **3**

**TOTAL HOURS: 15**

**SPRING SEMESTER**
- MA 322 - MATRIX ALGEBRA AND ITS APPLICATIONS - **3**
- Foreign Language 202 - **3**
- Math Core Selection - **3**
- A&S Natural Sciences Course (100+ level) - **3**
- A&S Lab or Field Work - **1**

**TOTAL HOURS: 14**

Total Sophomore Hours: 29

**Junior Year**

**FALL SEMESTER**
- Required Math Sequence (First Course) - **3**
- Course Outside Math (300+ level) - **3**
- A&S Humanities (100+ level) - **3**
- Natural Science/Math Course (100+ level) - **3**
- UK Core - Social Sciences - **3**
- UK Core - Arts and Creativity - **3**

**TOTAL HOURS: 18**

**SPRING SEMESTER**
- MA 391 - MATHEMATICS: COMPOSITION AND COMMUNICATION - **3**
- Required Math Sequence (Second Course) - **3**
- Course Outside Math (300+ level) - **3**
- A&S Social Sciences (100+ level) - **3**
- UK Core - Global Dynamics - **3**
- UK Core - Community, Culture and Citizen - **3**

**TOTAL HOURS: 18**

Total Junior Hours: 36

**Senior Year**
<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
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<tr>
<td>Math Course Selection (300+ level) - 3</td>
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<td>Course Outside Math (300+ level) - 3</td>
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<tr>
<td>A&amp;S Social Sciences (300+ level) - 3</td>
<td>A&amp;S Humanities (300+ level) - 3</td>
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<tr>
<td>A&amp;S Approved Elective (100+ level) - 3</td>
<td>A&amp;S Approved Elective (100+ level) - 3</td>
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**TOTAL HOURS: 15**

Total Senior Hours: 30

**TOTAL HOURS: 15**

**Total Minimum hours Required for Degree: 120 hours**

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Current UK students: Please login to [http://myUK.uky.edu](http://myUK.uky.edu) to access your personalized major template and degree audit via the Graduation Planning System (GPS). This major template is the curriculum requirements for completion of the degree program only and is not a personalized audit based on your completed coursework. This major template does not reflect entrance requirements for selective majors. Please consult with the college to learn more about admission to this major.