**4-YEAR CURRICULAR MAP**

**Bachelor of Science in Mathematical Economics**

<table>
<thead>
<tr>
<th>FALL</th>
<th>YEAR 1</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td>‡UK Core CC1</td>
<td>3</td>
<td>UK Core CC2</td>
</tr>
<tr>
<td>‡Foreign language 101</td>
<td>4</td>
<td>‡Foreign language 102</td>
</tr>
<tr>
<td>UK Core QFO (MA 113: Calculus I AND MA 193: Supp. Math Workshop I)</td>
<td>5</td>
<td>UK Core CCC</td>
</tr>
<tr>
<td>UK Core HUM</td>
<td>3</td>
<td>MA 114: Calculus II AND MA 194: Supp. Math Workshop II</td>
</tr>
<tr>
<td><strong>Total Credits:</strong> 15</td>
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<td><strong>Total Credits:</strong> 15</td>
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<table>
<thead>
<tr>
<th>FALL</th>
<th>YEAR 2</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td>UK Core ACR</td>
<td>3</td>
<td>UK Core SSC</td>
</tr>
<tr>
<td>‡Foreign language 201</td>
<td>3</td>
<td>‡Foreign language 202</td>
</tr>
<tr>
<td>A&amp;S SS (ECO 201: Principles of Economics I)</td>
<td>3</td>
<td>A&amp;S NS</td>
</tr>
<tr>
<td>STA 296: Statistical Methods</td>
<td>3</td>
<td>A&amp;S Lab</td>
</tr>
<tr>
<td>MA 213: Calculus III</td>
<td>4</td>
<td>MA 214: Calculus IV</td>
</tr>
<tr>
<td>Y</td>
<td></td>
<td>ECO 202: Principles of Economics II</td>
</tr>
<tr>
<td><strong>Total Credits:</strong> 16</td>
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<td><strong>Total Credits:</strong> 16</td>
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<thead>
<tr>
<th>FALL</th>
<th>YEAR 3</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math/Science Elective</td>
<td>3</td>
<td>UK Core GDY</td>
</tr>
<tr>
<td>UK Core NPM</td>
<td>3</td>
<td>ECO 401: Intermediate Microeconomic Theory</td>
</tr>
<tr>
<td>ECO 391: Economic and Business Statistics</td>
<td>3</td>
<td>MA 322: Matrix Algebra</td>
</tr>
<tr>
<td>MA 320: Introductory Probability or STA 524: Probability</td>
<td>3</td>
<td>*400+ ECO major course</td>
</tr>
<tr>
<td>*300+ ECO major course</td>
<td>3</td>
<td>Math/Science Elective</td>
</tr>
<tr>
<td><strong>Total Credits:</strong> 15</td>
<td></td>
<td><strong>Total Credits:</strong> 15</td>
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</tbody>
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<thead>
<tr>
<th>FALL</th>
<th>YEAR 4</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td>A&amp;S HUM</td>
<td>3</td>
<td>*MA Sequence course</td>
</tr>
<tr>
<td>ECO 402: Intermediate Macroeconomic Theory</td>
<td>3</td>
<td>*MA Sequence course</td>
</tr>
<tr>
<td>*MA Sequence course</td>
<td>3</td>
<td>ECO 491 GCCR</td>
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<tr>
<td>Math/Science Elective</td>
<td>3</td>
<td>Math/Science Elective</td>
</tr>
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<td>Math/Science Elective</td>
<td>3</td>
<td>◊ A&amp;S Elective</td>
</tr>
<tr>
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* Incoming Students are Strongly Encouraged to take WRD 112 to fulfill the CC1 and CC2 requirements if they have any of the following: an ACT English score of 32 or Higher, an SAT Verbal score of 720 or Higher, or an AP English Composition score of 4 or 5. If the Student has been accepted into the University Honors Program, the Student is required to take WRD 112 to fulfill CC1 and CC2. To be discussed with your academic advisor.

‡ Students who have taken at least 2 years of a language in high school can complete the A&S Foreign Language Requirement with 3 college semesters of a different language. Students choosing this option should replace the 4th semester of language with electives. Also note that if you take a foreign language placement exam, you may be exempt from 1 or more of the beginning semesters of that language. In this case, replace the by-passed language courses with electives. Any language sequence may be used to satisfy the foreign language requirements.

◊ 3 hours of 'free' electives - that do not count toward any other requirement - must be taken. Additional electives may be required to reach the minimum of 120 hours. Consider pursuing a 2nd major or minor.

• **Race and Ethnicity Requirement**: The College requires its students to complete an approved race and ethnicity (R&E) course that will address the changing meanings of race and ethnicity across time and space. Students may double-dip courses to satisfy the R&E requirement with any other requirement.

**UK Core Abbreviations**

<table>
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<tr>
<th>Abbreviation</th>
<th>Course Title</th>
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<tr>
<td>HUM</td>
<td>Intellectual Inquiry in the Humanities</td>
</tr>
<tr>
<td>NPM</td>
<td>Intellectual Inquiry in the Natural/Physical/Mathematical Science</td>
</tr>
<tr>
<td>SSC</td>
<td>Intellectual Inquiry in Social Sciences</td>
</tr>
<tr>
<td>ACR</td>
<td>Intellectual Inquiry in Arts &amp; Creativity</td>
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**College of Arts & Sciences Abbreviations**

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</tr>
<tr>
<td>NS</td>
<td>Natural Sciences</td>
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<td>Lab</td>
<td>College Laboratory or Field Experience Requirement</td>
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<tr>
<td>CC2</td>
<td>Composition and Communication II</td>
</tr>
<tr>
<td>QFO</td>
<td>Quantitative Foundations</td>
</tr>
<tr>
<td>SIR</td>
<td>Statistical Inferential Reasoning</td>
</tr>
<tr>
<td>CCC</td>
<td>Community, Culture and Citizenship in U.S.</td>
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<td>GDY</td>
<td>Global Dynamics</td>
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