MATHEMATICAL SCIENCES BA
PENDING DEPARTMENTAL APPROVAL

Fall 2019 – Spring 2020

CONTACT INFORMATION

- Honors College Advisor: Tahmina Rahman (trahman5@gmu.edu)
- Department Associate Chair: John Kulesza (jkulesza@gmu.edu)
- Department Undergraduate Coordinator: Igor Griva (igriva@gmu.edu)
- Department Undergraduate Advisors: Patricia Granfield (pgranfield@gmu.edu) or Neil Epstein (nepstein2@gmu.edu)

Once students begin attending Mason and declare a major they should see both their Honors College and their major department advisor for advising. Students must confirm their major requirements with their department advisor and with PatriotWeb’s Degree Evaluation.

HONORS REQUIREMENTS (see advising section of Honors College website for further details)

- Honors College students must complete all courses in the Honors curriculum. Any substitutions for these courses should be approved by your Honors College advisor.

- Students earning a BA must complete two additional humanities and social science general education courses. This requirement may be satisfied by taking HNRS 130 and HNRS 260 or HNRS 261, which also satisfy Honors College curriculum requirements.

ADVISING SHEET

- Honors College Requirement
- Department Requirement

<table>
<thead>
<tr>
<th>1st Year – 1st Semester (Fall)</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>o HNRS 110: Principles of Research &amp; Inquiry</td>
<td>4</td>
</tr>
<tr>
<td>o HNRS 122: Reading the Arts</td>
<td>3</td>
</tr>
<tr>
<td>♦ MATH 113: Analytic Geometry and Calculus I (designated placement score required)</td>
<td>4</td>
</tr>
<tr>
<td>♦ Elective (CS 112: Introduction to Computer Programming is recommended) (MATH 113 level required on math placement test)</td>
<td>4</td>
</tr>
<tr>
<td>Semester Total</td>
<td>15</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>1st Year – 2nd Semester (Spring)</th>
<th></th>
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<tbody>
<tr>
<td>o HNRS 130: Identity, Community, &amp; Difference</td>
<td>3</td>
</tr>
<tr>
<td>♦ MATH 114: Analytic Geometry and Calculus II (prerequisite: &quot;C&quot; or better in MATH 113) or MATH 116: Analytic Geometry and Calculus II (Honors) (prereq for MATH 116: B+ or higher in MATH 113)</td>
<td>4</td>
</tr>
<tr>
<td>♦ MATH 125: Discrete Mathematics I</td>
<td>3</td>
</tr>
<tr>
<td>♦ Elective (Foreign Language)</td>
<td>6</td>
</tr>
<tr>
<td>Semester Total</td>
<td>16</td>
</tr>
</tbody>
</table>
2nd Year – 1st Semester (Fall)

- **HNRS 131: Contemporary Social Issues**  
  3
- **HNRS 240: Reading the Past**  
  3
- **Lab Science I**  
  4
- **MATH 213: Analytic Geometry and Calculus III or MATH 215: Honors Calculus III**  
  3
- **MATH 203: Matrix Algebra**  
  3

Semester Total 16

2nd Year – 2nd Semester (Spring)

- **HNRS 260 (Society & Community Engagement) Or HNRS 261 (Community Connection Practicum)**  
  3
- **HNRS 360 (Multi-Disciplinary Topics) Or HNRS 361 (Multi-Disciplinary Practicum)**  
  3
- **Lab Science II**  
  4
- **MATH 216 (prereq: MATH 203 and MATH 213 or 215)**  
  1 or MATH 214  
  3
- **MATH 290: Foundations of Mathematics**  
  3
- **Elective (Foreign Language)**  
  3

Semester Total 16

3rd Year – 1st Semester (Fall)

Continue to see your MATH Dept. Advisor.

Semester Total 15

3rd Year – 2nd Semester (Spring)

Continue to see your MATH Dept. Advisor.

Semester Total 15

4th Year – 1st Semester (Fall)

Continue to see your MATH Dept. advisor.

Semester Total 15

4th Year – 2nd Semester (Spring)

Continue to see your MATH Dept. advisor.

Semester Total 15

Total Hours 120

NOTES

1. While Honors sections are not required to complete the Honors curriculum, students are highly encouraged to take the Honors section to obtain a more in-depth understanding of the course.
2. MATH 113 and CS 112 require a placement exam.