Once students begin attending Mason and declare a major they should see both their Honors College and their major department advisor for advising (make appointments through https://gmu.campus.eab.com/). Students must confirm their major requirements with their department advisor, with the University catalog http://catalog.gmu.edu/colleges-schools/science/biology/biology-ba/#requirestext, and with PatriotWeb’s Degree Evaluation.

DEGREE REQUIREMENTS All students must complete the Biology Core (22 credits) with a minimum grade of C in all core courses. In addition, they must complete chemistry (8 Credits), mathematics (3-6 credits), and natural science (6-8 credits) core requirements. Students then complete the BA degree either with or without a concentration as described in the University Catalog.

HONORS REQUIREMENTS (see advising section of Honors College website for further details https://honorscollege.gmu.edu/academics/academic-advising)

- All Honors College students must complete Requirement 1 (HNRS 110 and HNRS 353) and Requirement 2 of the Honors College Curriculum, including taking 3 courses under Requirement 2. In general, students earning a BA will take HNRS 122, HNRS 131, and HNRS 240 to fulfill Requirement 2. 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 beyond Requirements 1 and 2 of the Honors College Curriculum. This requirement may be satisfied by taking HNRS 130 and HNRS 230, which also satisfy Honors College Requirement 3. Students who fulfill Honors College Requirement 3 by taking courses other than HNRS 130 and/or HNRS 230 should consult with their Honors College advisor and must complete the corresponding humanities and social science requirements with courses that are outlined in the University Catalog for your catalog year.

ADVISING SHEET
- Honors College Requirement
  ♦ Department Requirement
  ▲ University Requirement

<table>
<thead>
<tr>
<th>1st Year – 1st Semester (Fall)</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="https://catalog.gmu.edu/colleges-schools/science/biology/biology-ba/#requirestext" alt="HNRS 110: Research Methods (grade C or better required)" /></td>
<td>4</td>
</tr>
<tr>
<td><img src="https://catalog.gmu.edu/colleges-schools/science/biology/biology-ba/#requirestext" alt="CHEM 211/ 211H General Chemistry I and CHEM 213: General Chemistry Lab I (grade of C or better required)" /></td>
<td>4</td>
</tr>
<tr>
<td><img src="https://catalog.gmu.edu/colleges-schools/science/biology/biology-ba/#requirestext" alt="BIOL 103: Introductory Biology I. Recommended for students who did not pass the AP Biology exam with a score of 4 or higher, or the IB Biology HL exam with a score of 5 or higher, or a dual enrollment general biology course in high school)" /></td>
<td>4</td>
</tr>
<tr>
<td><img src="https://catalog.gmu.edu/colleges-schools/science/biology/biology-ba/#requirestext" alt="HNRS 122: Reading the Arts" /></td>
<td>3</td>
</tr>
<tr>
<td>Semester</td>
<td>Course</td>
</tr>
<tr>
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<td>------------------------------------------------------------------------</td>
</tr>
<tr>
<td>1st Year – 2nd Semester (Spring)</td>
<td><strong>HNRS 130</strong>: Conceptions of Self&lt;br&gt;<strong>BIOL 213/213H</strong>: Cell Biology (Core Course: grade of C or better required)&lt;br&gt;Prerequisite for Honors section: AP or IB/HL Biology in high school or equivalent dual enrollment course, or B+ or better in BIOL 103.&lt;br&gt;<strong>CHEM 212/212H General Chemistry II and CHEM 214: General Chemistry Lab II</strong>&lt;br&gt;<strong>Elective</strong></td>
</tr>
<tr>
<td>2nd Year – 1st Semester (Fall)</td>
<td><strong>HNRS 240</strong>: Reading the Past&lt;br&gt;<strong>HNRS 131</strong>: Contemporary Society in Multiple Perspectives&lt;br&gt;<strong>BIOL 214/214H</strong>: Biostatistics (Core Course: grade of C or better required)&lt;br&gt;Mathematics: Take one of the following:&lt;br&gt;- MATH 113: (placement exam required), or&lt;br&gt;- MATH 123: Calculus with Algebra/Trigonometry, Part A (placement exam required), or&lt;br&gt;- MATH 111H: Linear Mathematical Modeling (Honors section only), or&lt;br&gt;HNRT 225 (for students who studied calculus in high school but do not have AP or IB credit)&lt;br&gt;<strong>Elective</strong></td>
</tr>
<tr>
<td>2nd Year – 2nd Semester (Spring)</td>
<td><strong>HNRS 230</strong>: Cross-Cultural Perspectives&lt;br&gt;<strong>BIOL 311/311H</strong>: General Genetics (Core course: grade of C or better required)&lt;br&gt;<strong>Other Science (ASTR, GEOL, PHYS-See University Catalog)</strong>&lt;br&gt;<strong>Elective</strong></td>
</tr>
<tr>
<td>3rd Year – 1st Semester (Fall)</td>
<td><strong>BIOL 308/308H</strong>: Foundations of Ecology and Evolution (Core Course: grade C or better required)&lt;br&gt;<strong>Other Science (ASTR, GEOL, PHYS-See University Catalog)</strong>&lt;br&gt;<strong>Foreign Language</strong></td>
</tr>
<tr>
<td>3rd Year – 2nd Semester (Spring)</td>
<td><strong>HNRS 353</strong>: Technology in the Contemporary World (grade of C or better required)&lt;br&gt;<strong>BIOL 310</strong>: Biodiversity and BIOL 330: Biodiversity Lab and Recitation (Core courses: grade of C or better required)&lt;br&gt;<strong>Foreign Language</strong>&lt;br&gt;<strong>Elective</strong>&lt;br&gt;(Honors in Biology need BIOL 494)</td>
</tr>
</tbody>
</table>
Semester | Total Hours
--- | ---
4th Year – 1st Semester (Fall) | 14-15
- BIOL Elective 302-Level or above with lab^4 | 4
- Foreign Language | 3
- Electives 300-Level or above^6 | 6-9
- (Honors in Biology need BIOL 494) ^2,5 | (1)
Semester Total | 15-17

4th Year – 2nd Semester (Spring) | 15/16
- Electives 300-Level or above^6 | 9-12
- BIOL Elective 302-Level or above^4, if needed | 3
- BIOL Elective 302-Level or above^4, if needed | 3
- (Honors in Biology need BIOL 494) ^2,5 | (1)
Semester Total | 15/16

Total Hours | 120^b

NOTES

1. The Honors sections of these courses can be used to satisfy Honors College Requirement 3.
2. To be eligible for the Biology Honors Program, you must be a declared major in Biology and meet the following criteria: 1) a GPA of 3.33 or better in biology courses; 2) a GPA of 3.0 or better in supporting requirements (math and other science); 3) a grade of B or better in BIOL 213. Students should apply for admission to the Biology Honors Program during their first or second year at the University.
3. MATH 113, MATH 123/124, MATH 111 (Honors section only), and HNRT 225 all fulfill the quantitative reasoning requirement for the Honors Program. MATH 113 and MATH 123 require a placement exam. See the Math department for exam days and times. Note from Biology: 2nd math is not required, but some professional schools require 2 semesters of calculus (MATH 113 & MATH 114/116).
4. The major without a concentration requires 10 credits of biology electives of which at least 6 credits must be upper division. One of the upper division courses must include a lab.
5. Requirements to graduate with honors in Biology are: a student is required to take 6-8 credits in honors courses in BIOL (including 3 semesters of BIOL 494 or two semesters of BIOL 494 and one semester of BIOL 493); maintain a minimum GPA of 3.0 both overall and in math and science; and earn a minimum GPA of at least 3.33 in honors biology courses and in biology requirements. For more information contact the Biology Honors advisor, Prof. Kocache.
6. Availability of 3-credit BIOL courses may require students to substitute 4 credit courses and thus graduate with more than 120 credits.
7. Students who did not score above 4 on the AP Biology exam or above 5 on the IB/HL Biology exam or who did not earn dual enrollment course in high school for BIOL 103 are strongly encouraged to take BIOL 103: Introductory Biology I before taking BIOL 213.
8. BIOL 308 and BIOL 310/330 may be taken in any order. Students planning to go to Veterinary School or to concentrate in Ecology should plan to take both BIOL 308 and BIOL 310/330 during their 2nd year.
9. Students seeking a bachelor’s degree must apply at least 45 credits of upper-level courses (numbered 300 or above) toward graduation requirements.

10. Students who fulfill Honors College Requirement 3 by taking courses other than HNRS 130 and/or HNRS 230 must complete the corresponding humanities and social science requirements with courses that are outlined in the University Catalog for your catalog year.