GEOLOGY BA
Fall 2014 – Spring 2015

CONTACT INFORMATION
• Honors College Advisor: Patricia Granfield (pgranfie@gmu.edu)
• Department Chair: David Straus (straus@gmu.edu)
• Undergraduate Coordinator: Julia Nord (jnord@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, with the University catalog, and with Patriot Web’s Degree Evaluation.

DEPARTMENTAL HONORS: Earth science and geology majors who have completed 16 credits of math and science including GEOL 302 or BIOL 307, with a GPA of 3.00 or higher, are eligible to enter the departmental honors program. Transfer students who have an incoming GPA of 3.10 or higher in math and science, and a B or better in GEOL 302 or BIOL 307, are also eligible. To graduate with honors in Earth science or geology, students are required to maintain a minimum GPA of 3.00 in math and science, and complete the following courses with an average GPA of 3.50 or better: GEOL 406, 410, and 411.

HONORS REQUIREMENTS (see advising section of Honors College website for further details)
• 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. These course requirements can be fulfilled by taking the Requirement 2 courses not previously taken or by taking appropriate general education courses listed in the University Catalog for your catalog year. In general, it is expected that students earning a BA will take HNRS 122, HNRS 131, and HNRS 240 to fulfill Requirement 2.
• Students who do not fulfill Requirement 3 by taking HNRS 130 and/or HNRS 230 must complete the corresponding general education requirements with courses that are outlined in the University Catalog for your catalog year.

ADVISING SHEET

<table>
<thead>
<tr>
<th>1st Year – 1st Semester (Fall)</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>o HNRS 110: Research Methods (grade of C or better required)</td>
<td>4</td>
</tr>
<tr>
<td>♦ MATH 113: Analytic Geometry and Calculus I (a placement exam is required) or HNRT 125: A Liberal Arts Approach to Calculus or HNRT 225: Applied Calculus</td>
<td>4</td>
</tr>
<tr>
<td>♦ CHEM 211 or CHEM 211H¹: General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>♦ GEOL 101: Introductory Geology I</td>
<td>4</td>
</tr>
<tr>
<td><strong>Semester Total</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1st Year – 2nd Semester (Spring)</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>o HNRS 122: Reading the Arts</td>
<td>3</td>
</tr>
<tr>
<td>o HNRS 130: Conceptions of Self</td>
<td>3</td>
</tr>
<tr>
<td>♦ GEOL 102: Introductory Geology II</td>
<td>4</td>
</tr>
<tr>
<td>♦ Elective</td>
<td>4</td>
</tr>
<tr>
<td><strong>Semester Total</strong></td>
<td><strong>14</strong></td>
</tr>
</tbody>
</table>
### 2nd Year – 1st Semester (Fall)
- HNRS 131: Contemporary Society in Multiple Perspectives 3
- GEOL 302: Mineralogy 4
- PHYS 243: College Physics I and PHYS 244: Lab 4
- Elective(s) 3-6

**Semester Total** 14-16

### 2nd Year – 2nd Semester (Spring)
- HNRS 230: Cross-Cultural Perspectives 3
- GEOL 308: Igneous and Metamorphic Petrology (prerequisite: C or better in GEOL 302) 4
- Choose one of the following: GEOL 316: Computers in Geology; CDS 130: Computing for Scientists; CS 112: Introduction to Computer Programming; or IT 103: Introduction To Computing 3-4
- Electives 7-9

**Semester Total** 14-16

### 3rd Year – 1st Semester (Fall)
- HNRS 240: Reading the Past 3
- GEOL 317: Geomorphology 4
- Foreign Language 3-6
- Elective(s) 4-6

**Semester Total** 14-16

### 3rd Year – 2nd Semester (Spring)
- HNRS 353: Technology in the Contemporary World (Grade of C or better required) 3
- GEOL 304: Sedimentary Geology (prerequisite: C or better in GEOL 302) 4
- Degree–related course work. See degree advisor for planning. 3
- Foreign Language 0-3
- Elective 3-6

**Semester Total** 16

### 4th Year – 1st Semester (Fall)
- GEOL 401: Structural Geology (Prerequisite: grade of C or better in GEOL 302 and GEOL 317) 4
- Degree–related course work. See degree advisor for planning. 3
- Elective(s) 7-9

**Semester Total** 14-16

### 4th Year – 2nd Semester (Spring)
- GEOL 312: Invertebrate Paleontology 4
- Degree–related course work. See degree advisor for planning. 3
- GEOL 404: Geological Field Techniques [not offered on a regular basis; 6-credit geology field camp recommended as substitute] 0-2
- SUMMER FIELD CAMP. See degree advisor for information about required field course work 4-6
- Elective(s) 1-3

**Semester Total** 16
NOTES

1. The Honors sections of these courses can be used to satisfy Requirement 3 of the Honors College Curriculum.