EARTH SCIENCE BS, No Declared Concentration
Fall 2016 – Spring 2017

CONTACT INFORMATION
- Honors College Advisor: Patricia Granfield (pgranfie@gmu.edu)
- Department Chair: Edwin Schneider (eschnei1@gmu.edu)
- Undergraduate Coordinator: Stacey Verardo (sverardo@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.

NOTES ABOUT EARTH SCIENCE MAJOR
Students in this major must choose one of 5 concentrations: Earth science education, Earth surface processes, environmental geoscience, geology, and oceanography and estuarine science. There is a separate advising sheet for the concentration in geology. See your Honors College and department advisor for details of other concentrations.

HONORS REQUIREMENTS (see advising section of Honors College website for further details)
- All Honors College students earning a BS degree must complete Requirements 1 and 2 of the Honors College Curriculum, including taking 3 courses under Requirement 2. In general, it is expected that students earning a BS will take HNRS 122, HNRS 131, and HNRS 240 to fulfill Requirement 2.
- Students earning a BS degree must complete Requirement 3 by taking two additional Honors courses beyond Requirements 1 and 2 of the Honors College Curriculum. These courses must be approved by your Honors College advisor in your Plan of Study.

ADVISING SHEET
- Honors College Requirement
- Department Requirement
- College Requirement

<table>
<thead>
<tr>
<th>1st Year – 1st Semester (Fall)</th>
<th>Credits</th>
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<tr>
<td>o HNRS 110: Research Methods (grade of C or better required)</td>
<td>4</td>
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<tr>
<td>♦ MATH 113: Analytic Geometry and Calculus I (a placement exam is required)</td>
<td>4</td>
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<tr>
<td>♦ CHEM 211/211H and CHEM 213: General Chemistry I and General Chemistry Lab I</td>
<td>4</td>
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<tr>
<td>♦ GEOL 101: Introductory Geology I</td>
<td>4</td>
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<tr>
<td>Semester Total</td>
<td>16</td>
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<tr>
<th>1st Year – 2nd Semester (Spring)</th>
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<tr>
<td>o HNRS 122: Reading the Arts</td>
<td>3</td>
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<tr>
<td>♦ MATH 114: Analytic Geometry and Calculus II (prerequisite: C or better in MATH 113) or MATH 116: Honors Analytic Geometry and Calculus II</td>
<td>4</td>
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<tr>
<td>♦ CHEM 212/212H and CHEM 214: General Chemistry II and General Chemistry Lab II</td>
<td>4</td>
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<tr>
<td>♦ GEOL 102: Introductory Geology II (Students in Earth Surface Processes concentration may take EVPP 110 instead)</td>
<td>4</td>
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<td>Semester Total</td>
<td>15</td>
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<tr>
<td>Semester</td>
<td>Courses</td>
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| 2nd Year – 1st Semester (Fall) | o  HNRS 240: Reading the Past 3  
  ♦ PHYS 243 and PHYS 244: College Physics I and Lab or PHYS 160/160H¹  
  and PHYS 161: University Physics I and Lab 4  
  ♦ STAT 250: Introductory Statistics I 3  
  ♦ Course from concentration 4  
  Semester Total 14 |
| 2nd Year – 2nd Semester (Spring) | o  HNRS 131: Contemporary Society in Multiple Perspectives 3  
  ♦ PHYS 245 and PHYS 246: College Physics II and Lab or PHYS 260/260H¹  
  and PHYS 261: University Physics II and Lab 4  
  ♦ Course from Concentration 4  
  ▲ Elective (or additional Honors course to fulfill Honors College Requirement 3,  
  if necessary. See your Honors College Advisor.) 3-4  
  Semester Total 14-15 |
| 3rd Year – 1st Semester (Fall) | ♦ GEOL 309 or BIOL 309: Introduction to Oceanography 3  
  ♦ Course from Concentration 4  
  ▲ Elective (or additional Honors course to fulfill Honors College Requirement 3,  
  if necessary. See your Honors College Advisor.) 3  
  ▲ Elective 5-6  
  Semester Total 15-16 |
| 3rd Year – 2nd Semester (Spring) | o  HNRS 353: Technology in the Contemporary World (grade of C or better  
  required) 3  
  ♦ Choose one of: CLIM 111 and CLIM 112 or PHYS 111 and PHYS 112:  
  Introduction to the Fundamentals of Atmospheric Science and Lab or GGS  
  309: Meteorology and Climate 3-4  
  ♦ Course from concentration 4  
  ▲ Elective(s) 3-6  
  Semester Total 14-16 |
| 4th Year – 1st Semester (Fall) | ♦ Courses from concentration, as needed 3-13  
  ♦ GEOL 406: Seminar in Earth and Environmental Science or GEOL 420:  
  Earth Science and Policy 3  
  ▲ Elective(s) 0-13  
  Semester Total 15-16 |
| 4th Year – 2nd Semester (Spring) | ♦ Courses from concentration 10-12  
  ▲ Elective(s) 3-5  
  Semester Total 15 |
| Total Hours                | 120 |
NOTES

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