### 2020-21 Program Map – BS Geology (Environmental Conc.)

#### YEAR 1

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1101 (Core A1): English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1111: College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 1121/1121L (Core F): Introduction to Geosciences I (Physical Geology)</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 1107+lab: Principles of Biology I + Lab</td>
<td>4</td>
</tr>
</tbody>
</table>

#### SEMESTER TOTAL: 14

**Milestones**
- Complete ENGL 1101 C or better
- Complete MATH 1111 B or better
- Target: 15 credit hours completed (This example = 15)

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<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1102 (Core A1): English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1113 (Core A2): Precalculus</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 1122/1122L (Core F): Introduction to Geosciences II (Historical Geology)</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 1108+lab: Principles of Biology II + Lab</td>
<td>4</td>
</tr>
</tbody>
</table>

#### SEMESTER TOTAL: 15

**Milestones**
- Complete ENGL 1102 & Math 1113 with a C or better
- Complete GEOL 1121-1122 sequence
- Target: 30 credit hours completed (31)

#### YEAR 2

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1211/1211L (Core F): Principles of Chemistry I + Lab</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 3004: Field Geology and Geologic Mapping</td>
<td>4</td>
</tr>
<tr>
<td>MATH 1634: Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 3603: Environmental Geology</td>
<td>3</td>
</tr>
</tbody>
</table>

#### SEMESTER TOTAL: 15

**Milestones**
- Complete CHEM 1211/1211L
- Complete Field Geology (GEOL 3004)
- Plan for courses offered only alternate years
- Target: 45 credit hours completed (45/46)

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<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1212/1212L (Core F): Principles of Chemistry II + Lab</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 4093: Risk Assessment</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1401: Elementary Statistics</td>
<td>3</td>
</tr>
<tr>
<td>Core (B, C, E): Institutional Options, or Humanities, Fine Arts, and Ethics, or Social Science Course</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

#### SEMESTER TOTAL: 16

**Milestones**
- Complete CHEM 1212/1212L
- Plan for courses offered only alternate years
- Target: 60 credit hours completed (59/60)

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**This program map is intended ONLY as a guide for students to plan their course of study. It does NOT replace any information in the Undergraduate Catalog, which is the official guide for completing degree requirements.**

Core Curriculum (A-E) can be viewed here: [https://www.westga.edu/student-services/registrar/core-curriculum.php](https://www.westga.edu/student-services/registrar/core-curriculum.php)

Student Online Resources:
- [www.westga.edu/advising](http://www.westga.edu/advising) (Learn about: The name of your assigned advisor, program maps for all programs at UWG, tutorials on how to register and your wolf watch evaluation).
- [www.westga.edu/scoop](http://www.westga.edu/scoop) (Learn about: Fee payment deadlines, withdrawal deadlines, final exam schedules).
- [www.westga.edu/esc](http://www.westga.edu/esc) (Learn about: Requesting a transcript, financial aid information, requesting an enrollment verification, completing a FERPA form).
- [www.westga.edu/careerservices](http://www.westga.edu/careerservices) (Learn about: On/Off campus job opportunities, major and career exploration, resumes & cover letters, interviewing tips).
- [www.estga.edu/cas](http://www.estga.edu/cas) (Learn about: tutoring, academic coaching, supplemental instruction, success workshops).
## YEAR 3

<table>
<thead>
<tr>
<th>COURSE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 3014: Mineralogy and Crystallography</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 4082: Geological Problems</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 2455 or 3310: Principles of Organic Chemistry or Analytical Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>Core (B, C, E): Institutional Options, or Humanities, Fine Arts, and Ethics, or Social Science Course</td>
<td>3</td>
</tr>
<tr>
<td>Core (B, C, E): Institutional Options, or Humanities, Fine Arts, and Ethics, or Social Science Course</td>
<td>3</td>
</tr>
<tr>
<td><strong>SEMESTER TOTAL</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

**Milestones**
- Complete Mineralogy (Geol 3014)
- Research (GEOL 4082) okay any semester
- Plan for courses offered only alternate years
- Target: 75 credit hours completed (74/75)

## YEAR 4

<table>
<thead>
<tr>
<th>COURSE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 2202: Environmental Science</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>4</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>Core B2: Other Institutional Options</td>
<td>2</td>
</tr>
<tr>
<td>Core D: Natural Science</td>
<td>3</td>
</tr>
<tr>
<td><strong>SEMESTER TOTAL</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

**Milestones**
- Target: 105 credit hours completed (104/105)

## GEOLOGY COURSES OFFERED ONLY ALTERNATE YEARS:

- Spring, even-numbered years:
  - GEOL 4083 Environmental Geochemistry (3)
- Spring, odd-numbered years:
  - GEOL 4014 Geochemistry (4)