BS in Geology with concentration in Earth & Space Science

Below is a sample 4-year plan for students pursuing the BS in Geology with a concentration in Earth and Space Science (http://geo.ku.edu/earth-and-space-science-licensure). To view the list of courses approved to fulfill KU Core Goals, please visit the KU Core website. (http://kucore.ku.edu/courses)

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
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</table>
| ENGL 101  
(Goal 2.1 Written Communication, 2 Crs Required, BS Writing 1) | 3 ENGL 102  
(Goal 2.1 Written Communication, 2 Crs Required, BS Writing 2) | 3 | |
| MATH 125  
(Goal 1.2 Quantitative Literacy, Major Pre-requisite) | 4 MATH 126  
(Major Pre-requisite) | 4 | |
| CHEM 130  
(Goal 3 Natural Science, Major Pred-requisite) | 5 CHEM 135  
(Major Pre-requisite) | 5 | |
| BIOL 150  
(Major Pre-requisite) | 4 LA&S 291  
(UKAN Teach) | 1 | |
| LA&S 290  
(UKAN Teach) | 1 GEOL 101  
& GEOL 103  
(Major Requirement) | 5 | |

<table>
<thead>
<tr>
<th>Sophomore</th>
<th>Hours</th>
<th>Spring</th>
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<tbody>
<tr>
<td>Sophomore Reading &amp; Writing Course (Goal 1.1 Critical Thinking, BS Writing 3)</td>
<td>3 Social Science Course (Goal 3 Social Science, BS Code S Course 1 of 2)</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>
| Humanities Course (Goal 4.1 US Diversity, BS Code H Course 1 of 2) | HIST 510  
(Goal 3 Humanities, BS Code H Course 2 of 2, UKAN Teach) | 3 | |
| MATH 127  
(Major Pre-requisite) | 4 PHSX 212  
& PHSX 236  
(Major Pre-requisite) | 4 | |

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<tr>
<th>Junior</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
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</table>
| PHSX 211  
& PHSX 216  
(Major Pre-requisite) | 4 BIOL 152  
(Major Pre-requisite) | 4 | |

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<tr>
<th>Senior</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
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</thead>
</table>
| Goal 5 Social Responsibility & Ethics | 3 C&T 500  
(UKAN Teach) | 1-6 | |
| CHEM 598  
(Major Requirement) | 3 C&T 598  
(UKAN Teach) | 1-5 | |
| GEO 562  
(Major Requirement) | 4 GEO 500+ elective | 1-3 | |
| Earth & Space Science Elective - GEO or ASTR (Major Requirement) | 3 | | |
| Earth & Space Science Elective - GEO or ASTR (Major Requirement) | 3 | | |

Total Hours 120-131
1. Geology BS majors are required to complete a third English, and a list of possible courses can be found under the Degree Requirements tab.

2. All major required Geology courses and most Geology elective courses numbered 300 and above are offered once a year, either in the fall, spring or summer term.

3. GEOL 360, GEOL 560, and GEOL 561 are offered only in the summer.

4. The Earth and Space Science concentration must complete electives in one of the following two areas: Geology Focus or Astronomy Focus. Course specifics are listed under the Degree Requirements tab.

Please note:

All students in the College of Liberal Arts and Sciences are required to complete 120 total hours of which 45 hours must be at the Jr/Sr (300+) level.

The same course cannot be used to fulfill more than one KU Core Goal. However, overlap of a KU Core course with a major or degree-specific requirement is allowed. Overlapping is recommended to allow more opportunities to explore other majors and/or minors.