

# 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. To view the list of courses approved to fulfill KU Core Goals, please visit the KU Core website. (<http://kucore.ku.edu/courses/>)

## Freshman

| Fall  | Hours | Spring   | Hours |
|---|-------|--|-------|
| ENGL 101<br>(Goal 2.1<br>Written<br>Communication<br>(1 of 2))                  | 3     | ENGL 102<br>(Goal 2.1<br>Written<br>Communication<br>(2 of 2)) | 3     |
| MATH 125<br>(Goal 1.2<br>Quantitative<br>Reasoning,<br>Major Pre-<br>requisite) | 4     | MATH 126<br>(Major Pre-<br>requisite)                          | 4     |
| CHEM 130<br>(Goal 3 Natural<br>Science, Major<br>Pred-requisite)                | 5     | CHEM 135<br>(Major Pre-<br>requisite)                          | 5     |
| BIOL 150<br>(Major Pre-<br>requisite)   | 3     | LA&S 291<br>(UKAN Teach)                                       | 1     |
| LA&S 290<br>(UKAN Teach)  | 1     | GEOL 101<br>& GEOL 103<br>(Major<br>Requirement)               | 5     |
| <b>16</b>   |       | <b>18</b>  |       |

## Sophomore

| Fall  | Hours | Spring  | Hours | Summer  | Hours |
|---|-------|---|-------|---|-------|
| Sophomore<br>Reading<br>& Writing<br>Course (Goal<br>1.1 Critical<br>Thinking) <sup>1</sup> | 3     | Social Science<br>Course (Goal 3<br>Social Science) | 3     | GEOL 360<br>(Major<br>Requirement) <sup>3</sup> | 2     |
| Humanities<br>Course<br>(Goal 4.1 US<br>Diversity)  | 3     | HIST 510 (Goal<br>3 Humanities,<br>UKAN Teach)      | 3     |   |       |
| MATH 127<br>(Major Pre-<br>requisite)   | 4     | PHSX 212<br>& PHSX 236<br>(Major Pre-<br>requisite) | 4     |   |       |
| PHSX 211<br>& PHSX 216<br>(Major Pre-<br>requisite)   | 5     | C&T 360<br>(UKAN Teach)                             | 3     |   |       |

|   |   |                                       |   |
|---|---|---------------------------------------|---|
| GEOL 311<br>& GEOL 312<br>(Major<br>Requirement) <sup>2</sup> | 4 | BIOL 152<br>(Major Pre-<br>requisite) | 3 |
| <b>16</b>   |   | <b>13</b>                             |   |

## Junior

| Fall   | Hours | Spring  | Hours | Summer  | Hours |
|--|-------|---|-------|---|-------|
| COMS 130<br>(Goal 2.2<br>Communication)                    | 3     | GEOL 304<br>(Major<br>Requirement) <sup>2</sup>               | 3     | GEOL 560 (Goal<br>6 Integration &<br>Creativity, Major<br>Requirement) <sup>3</sup> | 3     |
| Social Science<br>Course (Goal<br>4.2 Global<br>Awareness) | 4     | GEOL 331<br>(Major<br>Requirement) <sup>2</sup>               | 4     |   |       |
| ATMO 105<br>(Major<br>Requirement)                         | 5     | GEOL 521<br>& GEOL 523<br>(Major<br>Requirement) <sup>2</sup> | 4     |   |       |
| C&T 366<br>(UKAN Teach)                                    | 3     | C&T 460<br>(UKAN Teach)                                       | 3     |   |       |
| C&T 448<br>(UKAN Teach)                                    | 3     | ASTR 191<br>(Major<br>Requirement)                            | 3     |   |       |
| <b>14</b>  |       | <b>17</b>   |       | <b>3</b>  |       |

## Senior

| Fall   | Hours | Spring                  | Hours |
|--|-------|-------------------------|-------|
| Goal 5 Social<br>Responsibility &<br>Ethics  | 3     | C&T 500<br>(UKAN Teach) | 1-6   |
| CHEM 598<br>(Major<br>Requirement)   | 3     | C&T 598<br>(UKAN Teach) | 1-5   |
| GEOL 562<br>(Major<br>Requirement) <sup>2</sup>  | 4     | GEOL 500+<br>elective   | 3     |
| Earth & Space<br>Science<br>Elective - GEOL<br>or ASTR (Major<br>Requirement) <sup>4</sup> | 3     |                         |       |
| Earth & Space<br>Science<br>Elective - GEOL<br>or ASTR (Major<br>Requirement) <sup>4</sup> | 3     |                         |       |
| <b>16</b>  |       | <b>5-14</b>             |       |

## Total Hours 120-129

- Geology BS majors are required to complete a third English, and a list of possible courses can be found under the Degree Requirements tab.
- 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.
- GEOL 360, GEOL 560, and GEOL 561 are offered only in the summer.

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<sup>4</sup> 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.