The following is a sample course of study. It is the Student’s responsibility to ensure that all program requirements are met. This guide is not a substitute for academic advisement.

Your path to graduation may vary based on factors such as college credit you earned while in high school, transfer work from other institutions of higher learning and placement in Mathematics. You are responsible for checking prerequisites to any courses.

<table>
<thead>
<tr>
<th>Course Subject and Title</th>
<th>Hrs.</th>
<th>Can be Upper Division</th>
<th>Transfer</th>
<th>Minimum Grade if Required</th>
<th>Date Completed</th>
<th>Final Grade</th>
<th>Pre-requisites met</th>
<th>Additional Critical Tracking Notes</th>
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<tbody>
<tr>
<td><strong>Fall Semester Year 1: 16 hours</strong></td>
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<tr>
<td>GEOL 220/220L, Gen Geology with Lab (GER F.2.)</td>
<td>3/2</td>
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<tr>
<td>CHEM 211/211L, Gen Chemistry I with Lab (GER F.2.)</td>
<td>3/2</td>
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<tr>
<td>First Year Writing—GER A.1. &lt;or&gt; A&amp;S 100—GER D</td>
<td>3</td>
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<tr>
<td>Constitution—GER F.1a. &lt;or&gt; other GER</td>
<td>3</td>
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<td><strong>Spring Semester Year 1: 12-15 hours</strong></td>
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<tr>
<td>GEOL/GEOG 2xx/3xx, Elective for major (may be GEO 203, Intro to GIS)</td>
<td>3-4</td>
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<tr>
<td>First Year Writing—GER A.1. &lt;or&gt; A&amp;S 100—GER D</td>
<td>3</td>
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<tr>
<td>First-level Math—GER B.1. &lt;or&gt; other GER</td>
<td>3</td>
<td>☐</td>
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<tr>
<td>*BIOL 108, Gen Biology I &lt;or&gt; Elective hours</td>
<td>3-5</td>
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<td><strong>Summer Semester Year 1</strong></td>
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<td>May use summer semester to lighten fall and spring course loads.</td>
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**Fall Semester Year 2: 15-16 hours**                                                     |      |                       |          |                           |                |             |                   |                                   |
| GEOL 250, Field Methods                                                                 | 3    | ☐                     | ☐        | ☐                         |                |             | ☐                 |                                   |
| GEOL 3xx/4xx, Elective for major (may be GEOL 314, Geomorphology, or GEOL 325, Sedimentology/Stratigraphy) | 3-4  | ☐                     | ☐        | ☐                         |                |             | ☐                 |                                   |
| Physics 210, General Physics I                                                           | 4    | ☐                     | ☐        | ☐                         |                |             | ☐                 |                                   |
| Foreign Language 110, Elementary I—GER C.1.                                              | 5    | ☐                     | ☐        | ☐                         |                |             | ☐                 |                                   |

**Spring Semester Year 2: 15-16 hours**                                                   |      |                       |          |                           |                |             |                   |                                   |
| GEOL 313, Evolution and the Geologic Record                                              | 4    | ☐                     | ☐        | ☐                         |                |             | ☐                 |                                   |
| GEOL 3xx/4xx, Elective for major                                                        | 3-4  | ☐                     | ☐        | ☐                         |                |             | ☐                 |                                   |
| Foreign Language 120, Elementary II—GER C.1.                                             | 5    | ☐                     | ☐        | ☐                         |                |             | ☐                 |                                   |
| Sophomore-level Writing course—GER A.2.                                                 | 3    | ☐                     | ☐        | ☐                         |                |             | ☐                 |                                   |

**Summer Semester Year 2**                                                                |      |                       |          |                           |                |             |                   |                                   |
| May use summer semester to lighten fall and spring course loads.                         |      |                       |          |                           |                |             |                   |                                   |

**Fall Semester Year 3: 14 hours**                                                        |      |                       |          |                           |                |             |                   |                                   |
| GEOL 312, Mineralogy                                                                    | 4    | ☐                     | ☐        | ☐                         |                |             | ☐                 |                                   |
| GEOL 350, Earth Structures and Tectonics (offered every other fall)                      | 4    | ☐                     | ☐        | ☐                         |                |             | ☐                 |                                   |
| Foreign Language 211, Second Year I—GER C.1.                                             | 3    | ☐                     | ☐        | ☐                         |                |             | ☐                 |                                   |
| Elective hours <or> Second-level Math—GER B.2. (if STAT 235 not taken Spring Year 3)    | 3    | ☐                     | ☐        | ☐                         |                |             | ☐                 |                                   |

**Spring Semester Year 3: 15-16 hours**                                                   |      |                       |          |                           |                |             |                   |                                   |
| GEOL 3xx/4xx, Elective for major (may be GEOL 342 Igne/ Met Petrology)                   | 3-4  | ☐                     | ☐        | ☐                         |                |             | ☐                 |                                   |
| Cluster—GER F.A. (recommend GEOL 326C2, Archaeology of Ancient Disasters)               | 3    | ☐                     | ☐        | ☐                         |                |             | ☐                 |                                   |
| STAT 235, Elementary Statistics—GER B.2. <or> GEOL 444, Geospatial Analysis             | 3    | ☐                     | ☐        | ☐                         |                |             | ☐                 |                                   |
| Philosophy—GER E.2. <or> other GER                                                      | 3    | ☐                     | ☐        | ☐                         |                |             | ☐                 |                                   |
| Oral Argumentation—GER A.5 <or> other GER                                                | 3    | ☐                     | ☐        | ☐                         |                |             | ☐                 |                                   |

**Summer Semester Year 3: 15-16 hours**                                                   |      |                       |          |                           |                |             |                   |                                   |
| GEOL 490, Geology Field Camp                                                            | 6    | ☐                     | ☐        | ☐                         |                |             | ☐                 |                                   |

**Fall Semester Year 4: 12 hours**                                                        |      |                       |          |                           |                |             |                   |                                   |
| GEOL 3xx/4xx, Elective for major                                                        | 3    | ☐                     | ☐        | ☐                         |                |             | ☐                 |                                   |
| Cultural Perspectives—GER C.2. <or> other GER                                            | 3    | ☐                     | ☐        | ☐                         |                |             | ☐                 |                                   |
| Humanities—GER F.3b. <or> other GER                                                     | 3    | ☐                     | ☐        | ☐                         |                |             | ☐                 |                                   |
| Soc & Behav Science—GER F.1b. <or> other GER                                            | 3    | ☐                     | ☐        | ☐                         |                |             | ☐                 |                                   |

**Spring Semester Year 4: 15 hours**                                                      |      |                       |          |                           |                |             |                   |                                   |
| GEOL 499WI, Senior Seminar (GER A.4.)                                                   | 3    | ☐                     | ☐        | ☐                         |                |             | ☐                 |                                   |
| Literature—GER E.1. <or> other GER                                                      | 3    | ☐                     | ☐        | ☐                         |                |             | ☐                 |                                   |
| Soc & Behav Science—GER F.1b. <or> other GER                                            | 3    | ☐                     | ☐        | ☐                         |                |             | ☐                 |                                   |
| Fine Arts                                                                               | 3    | ☐                     | ☐        | ☐                         |                |             | ☐                 |                                   |
| Elective hours                                                                         | 3    | ☐                     | ☐        | ☐                         |                |             | ☐                 |                                   |
Non-course requirements
Written English Proficiency Test (WEPT)
University exit exams (MAPP and/or Major Field)

The School reserves the right to make changes in courses, degree requirements and course schedules without notice.

Students are expected to maintain a quality of achievement significantly above minimum UMKC standards for degree work. Individual student progress will be monitored throughout the program. Satisfactory progress is required of all students for retention in the program. Students are expected to maintain academic standards, perform satisfactorily in courses, refrain from academic dishonesty, comply with the established University and teacher education timetables and requirements, and refrain from unethical or unprofessional behavior or behaviors that obstruct the training process or threaten the welfare of the student or others. Other circumstances involving student behavior will be addressed by the faculty on an individual basis.

Graduation Requirements Summary:

<table>
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<tr>
<th>Total Hours (120 minimum)</th>
<th>Total Upper-level (300/400) Hours (36 minimum)</th>
<th>Final Consecutive Hours at UMKC (30 hours minimum)</th>
<th>Major GPA (2.0 minimum)</th>
<th>University of Missouri GPA (2.0 minimum)</th>
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All students completing a Bachelor of Arts or a Bachelor of Science in the College of Arts and Sciences must successfully complete the following requirements in order to graduate:

Please see this website for a detailed listing of approved courses to fulfill the following General Education Requirements (GER):
http://www.umkc.edu/catalog/2008-09/undergraduate/pg454.html

A. Communication (12 credit hours)
1. First Year Writing course
2. Sophomore-level Writing Intensive course
3. Passage of the UMKC Written English Proficiency Test (WEPT), the pre-requisite for any Junior/Senior-level (300/400) Writing Intensive course
4. Junior/Senior-level (300/400) Writing Intensive (WI) course
5. Oral argumentation course

B. Mathematical, Symbolic and Logical Reasoning (6 credit hours minimum)
1. First-level Mathematics course or demonstrated competency equivalent to four units (years) of high school math, beginning with Algebra I or higher
2. Second-level Mathematics course requiring extensive use of mathematical, symbolic or logical reasoning

C. Foreign Language and Culture (16 credit hours)
1. Three semesters of the same foreign language, required for all B.A. degrees (but not for B.S. degrees, as of Spring 2002)
2. Cultural Perspectives of an interdependent global environment

D. Computer and Information Technology (3 credit hours)
- Competence equivalent to a programming course or software application course that includes substantial computer experience

E. Literature and Philosophy (6 credit hours)
1. Literature course
2. Philosophy course

F. Distribution Requirements for General Education
1. Social and Behavioral Sciences (three courses, 9 hours), chosen from at least two different departments:
   a. Constitution Requirement—One course covering the United States Constitution and the Missouri State Constitution
   b. Distribution Electives—Two courses from the social and behavioral sciences
2. Physical & Biological Sciences (two courses, 8 hours minimum, including one lab component)
3. Humanities and Fine Arts (two courses, 6 hours):
   a. Fine Arts course
   b. Humanities course
4. Interdisciplinary Cluster Course (one course, 3 hours). Every student is required to complete a junior/senior interdisciplinary cluster course.

A maximum of 3 hours of one-credit activity courses in physical education may be applied toward the 120 total minimum

All students completing a Bachelor of Arts degree in Geology must meet the following conditions:

- A “C” average must be obtained in all major courses.
- Some core courses are only offered every other year: GEOL 313 Evolution is offered every other spring semester (Spring 2009); GEOL 350 Earth Structures and Tectonics (Fall 2009).
- Students may take any four GEOL 3xx, GEOL 4xx, GEOG 203, or GEOG 442 as the required electives. The following courses are recommended electives.
  - GEOG 203 Introduction to GIS is offered every semester.
  - Either or both GEOL 325 Sedimentology/Stratigraphy and GEOL 314 Geomorphology is/are recommended elective course(s). They are offered every other fall semester on a rotating basis.
  - GEO 342 Igneous and Metamorphic Petrology is a recommended elective. It is offered every other spring semester (Spring 2009).
- UMKC GEOL 490 Geology Field Camp is usually taken in the summer between the junior and senior year. The class will be offered in even years, contingent upon a minimum enrollment of 12 students. If enrollment is insufficient, students may take this course at any accredited university offering a geology field camp course. Applications for field camp are due each year by February 1st. Please speak to the faculty advisor for information about this requirement.
- No more than 3 credit hours of Special Topics in GEOL 417 may be used to fulfill the GEOL elective.
- GEOL 444 Geospatial Analysis may be substituted for Math 235 Statistics.
- A student may take any A&S cluster course. We recommend students enroll in GEOL 326CZ Archaeology of Ancient Disasters that is offered every other spring semester (Spring 2009).

Faculty Advisor: Tina Niemi (niemi@umkc.edu; 816-235-5342)