

# MINOR: GEOGRAPHY

## Student Learning Outcomes

Students graduating from this program will:

- Students can identify geospatial issues and technical needs to solve problems relevant to research, industry or public service.
- Students can design, produce and interpret maps using relevant GIS technologies.

Academic minors are offered in geography (18 hours) and in geology (18 hours). At least nine of the hours needed for the minor must be taken at UMKC. The minor programs are sufficiently flexible to enable students with diverse backgrounds to choose relevant coursework from the department's offerings. The programs are structured to ensure that students gain an appreciation of the breadth of the minor field. The minor should be declared as early as possible, but not later than the beginning of the student's senior year. Up to eight hours of coursework may simultaneously count in both the major and minor areas, where applicable. This applies to majors and non-majors.

## Minor in Geography

A minor in geography may be obtained with a minimum of 18 semester hours of coursework in this discipline (at least nine of which must be at the 300- and 400-level).

| Code   | Title   | Credits |
|--|---|---------|
| ENV-SCI 110R<br>& ENV-SCI 110L   | Understanding the Earth: Introduction to Environmental Science and Laboratory<br>and Understanding the Earth Laboratory | 5       |
| Elective Coursework Regularly Offered (but not limited to) Includes the Following: |   | 13      |
| ENV-SCI 321  | Climate Change Impact Assessment and Policy Response  |         |
| GEOG 215<br>& GEOG 448   | Weather and Climate<br>and Satellite Climatology  |         |
| GEOG 309   | Urban Geography   |         |
| GEOLOGY 416  | Understanding and Living with Volcanoes   |         |
| GEOLOGY 456  | Field Methods in 3D Imaging of the Environment  |         |
| Total Credits  |   | 18      |

Note: GEOG 398, GEOG 417, and ENV-STDY 499WI do not count as credit in a minor program in geography.

\* Prerequisite coursework may add hours to program completion if this course is selected.