MINOR: GEOLOGY

Student Learning Outcomes

Students graduating from this program will:

• Understand the forces and processes that build and shape the Earth.
• Be able to identify minerals and rocks and understand their formation processes.
• Understand evolution, earth history, and the role of fossils in geologic time.
• Be able to utilize techniques to describe the three-dimensional geometry of Earth layers and deformation processes.
• Collect and interpret field data, produce maps, and use them to solve geologic and environmental problems.
• Be able to critically analyze published literature and have experience with technical writing and presentations.

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 departmental and non-departmental students.

Minor in Geology

A minor in geology 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).

GEOL 220 (5 hours with lab) -and- GEOL 250L (3 hours) are required.

Note: GEOL 398, and GEOL 499WI do not count as credit in a minor program in geology.