Catalog Description

This minor will provide students with a sophisticated understanding of geological processes shaping land surfaces. Building on a three-course base of fundamental knowledge about surficial geological processes, the program is completed by an advanced course in Sedimentology or Hydrology. Students attempting this minor will need a strong background in Chemistry at the level of CHEM 103. Depending on the advanced courses chosen, other prerequisites will apply, including: MATH 140 for GEOL 451 (Groundwater); GEOL 322 (Mineralogy) for GEOL 342 (Sedimentation and Stratigraphy); and GEOL 102 (Historical Geology) for GEOL 331 (Principles of Paleontology). This minor will be of particular relevance to students with broad interests in Geology, Geography, Environmental Studies, and Climatology.

Courses required for the minor are:

- One of the following:
  - GEOL 100/110 Physical Geology (4)
  - GEOL 120/110 Environmental Geology (4)
- GEOL 123 Causes and Implications of Global Change (3)
- GEOL 340 Geomorphology (4)

In addition, the student must choose two from the following:

- GEOL 342 Sedimentation and Stratigraphy (4)
- GEOL 451 Groundwater (3)
- GEOL 452 Watershed and Wetland Hydrology (3)
- GEOL 331 Principles of Paleontology (4) (N.B. The change of the name of this course from Invertebrate Paleontology to Principles of Paleontology is currently underway.)

Depending on the optional course taken, there is a total of 17 - 19 required credits. All courses presented for the minor must be passed with a grade of C or better.

Declared Geology majors and students who have completed the major may not also minor in Surficial Geology.