

**GEOLOGY DEPARTMENT**  
**(In the Physical Science Division)**

Professors: Stanley (Chairman), Beard  
 Assistant Professors: Cserna, Mack

The Geology Department offers majors in geology for the bachelor of arts degree and for the bachelor of science degree. Geology offerings include undergraduate preparation for professional careers and for graduate work. The introductory course in geology meets a natural science requirement in general education; and courses for earth study as an avocation.

**BACHELOR OF ARTS AND BACHELOR OF SCIENCE DEGREES**  
**MAJORS IN GEOLOGY**

The bachelor of arts degree with a major in geology consists of a total of 124 units including 34 units of geology. The bachelor of science degree with a major in geology consists of a total of 128 units including 45 units of geology. See requirements listed below. For general degree requirements see *Degrees and Credentials*. A student planning graduate study is advised to meet the foreign language requirements of the institution he plans to attend.

<b>Geology Major for BA Degree</b>	<i>Units</i>
Geology 1, 1L, 2, 12, 101, 105, 106.....	18
Geology 108 or equivalent summer field course.....	6
Elect from: Geology 5, 13, 107, 110, 111, 112, 113, 115, 116, 117, 118, 130, 190 (include 8 units u.d.).....	10
	34

*Additional Requirements:* Chem 2A-B or 1A-B; Engr 1, 1L; Math C; Physics 2A-B. Recommended: French, German, or Russian.

<b>Geology Major for BS Degree</b>	<i>Units</i>
Geology 1, 1L, 2, 5, 12, 13, 101, 105, 106, 107, 110, 112, 113, 118.....	36
Geology 108 or equivalent summer field course.....	6
Elect from: Geology 111, 115, 116, 117, 130, 190.....	3
	45

*Additional Requirements:* Biol 1B; Engr 1, 1L; Engl 72; Math 3, 4; Physics 4A-B-C; Chem 1A or 2A-B; Chem 1B or 8. Recommended: French, German, or Russian.

**GEOLOGY MINOR**

A minor in geology consists of 14 units (exclusive of Geol 20, 120), of which at least 6 are upper division. It is recommended that Geol 1, 2, 5, 12, 105, and 189 be included in the minor.

**CREDENTIAL PROGRAM**

For information on credential programs consult the department chairman and see *Physical Science* and *Education Division* sections.

**Courses**

**GEOLOGY**

**1. Physical Geology (3) (Former Geol 1A)**

Nature and properties of earth materials and processes involved in development of landscapes; work and effects of streams, waves, glaciers, volcanoes, mountain building, and earthquakes. May include field trips.