MINOR IN GEOLOGY

DEPARTMENT OF GEOLOGY AND ENVIRONMENTAL SCIENCE

WWW.GEOLOGY.PITT.EDU 18 credits Updated 09/25

Visit the Department web page and click on "Undergraduate Programs" for complete advising information plus the latest version of the Geology Minor requirements.

The Geology Minor is designed for students who want to know more about how the Earth works. We offer three informal tracks to help guide your class choices (professional environmental geologist, Earth Sciences teacher, and to support a civil engineering degree), but many other options are available. To earn the minor, complete the three core classes listed below plus 9 credits (generally three classes) of electives. Please note that at most 8 credits can overlap between your major and the geology minor.

CORE COURSES (Check each as completed; 9 credits total)
<i>Choose <u>one</u> of these two:</i> GEÔL 0800 Geology (3) OR GEOL 0820 Natural Disasters (3)
GEOL 0055 Geology Laboratory (2) [Fall, Spring, Jones]
GEOL 0060 History of the Earth (4) [Spring, Jones]
GEOL 1701 Geology of the Planets (3) [Fall] GEOL 1960 Field Camp (4-8) [Summer. In the fall, seek out programs run by other universities
(see this <u>list of field camps</u>) and <u>transfer in the credits</u> .
GEOL 1xxx Other upper level classes (GEOL 1000 or higher) may be approved by your advisor.
GEOL 2xxx Graduate classes are numbered 2000 and up. You must get instructor permission for graduate classes, but undergraduates often take such classes as GEOL 2054 Soils, GEOL
2110 Plate Tectonics, and GEOL 2750: Volcanology.
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How to Pick Your Electives
Example 1: Take whatever electives seem most interesting to you! Simply read the <u>course descriptions</u> and pick what you think is most appealing.
Example 2: If you want to be an environmental geologist, obtain a Professional Geologist's license, or get into graduate school in geology, you want to look as much like a geology major as possible. To do this, take as many of the core classes as you can:
GEOL 1001 Mineralogy (4) [Fall, Capo] This is a <u>pre</u>requisite for GEOL 1003 and co-req. for 1020! GEOL 1003 Igneous and Metamorphic Petrology (4) [Spring, Stewart] GEOL 1020 Sedimentology and Stratigraphy (4) [Fall, Jones]
 GEOL 1100 Structural Geology (4) [Spring, McQuarrie] GEOL 1960 Field Camp [Summer. Not offered at Pitt; see this <u>list of field camps</u> and <u>transfer in the credits</u>.

If you want to get the Professional Geologist's license, you <u>must</u> take GEOL 1100 and GEOL 1960. With regards to graduate school, you *might* consider substituting some core classes. For example, if you are moving toward paleoclimatology, you might take GEOL 1030 and 1052 instead of, say, GEOL 1003 and 1100. Consult your favorite geology and environmental science instructors for advice customized to your specific interests!

nd Spa	GEOL 1030 to fill the Earth System Science and oceanography requirements.
	GEOL 0870 OR GEOL 1701 OR an astronomy class to fill the space requirement
	GEOL 1510 or 1516 to fill the environmental science requirement. (Or take GEOL 0820 Environmental
Scie	nce, but this will not count toward the minor.)
	Be sure you have at least 9 total GEOL elective credits.
Plea	se note that the University of Pittsburgh's School of Education Earth and Space program requires a
	l of 38 credits of GEOL classes, plus additional pre-requisites including two classes in chemistry with
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