

**GEOLOGY: Course Prerequisites:**

<b>Course Number</b>	<b>Course Name</b>	<b>Prerequisite(s)</b>
GEOL 1030	Introduction to Earth Science	Corequisite: GEOL 1031
GEOL 1031	Introduction to Earth Science Lab	Corequisite: GEOL 1030
GEOL 1040	Physical Geology	Corequisite: GEOL 1041
GEOL 1041	Physical Geology Lab	Corequisite: GEOL 1040
GEOL 1050	Historical Geology	GEOL 1030/1031 or GEOL 1040/1041
GEOL 3000	Mineralogy	GEOL 1030/1031 or GEOL 1040/1041
GEOL 3010	Oceanography	GEOL 1030/1031 or GEOL 1040/1041
GEOL 3030	Geoscience of Energy Resources	GEOL 1030/1031
GEOL 3050	Field Methods in Geology	GEOL 1030/1031 or GEOL 1040/1041, and GEOL 1050
GEOL 3060	Computer Methods in Geology	GEOL 1030/1031 or GEOL 1040/1041 and GEOL 1050
GEOL 3160	Geologic Literature and Report Writing	GEOL 1030/1031 or GEOL 1040/1041
GEOL 3401/3402	Field Course	GEOL 1030/1031 or GEOL 1040/1041
GEOL 4000	Petrology and Petrography	GEOL 3000
GEOL 4020	Geomorphic Regions of the US	GEOL 1030/1031 or GEOL 1040/1041
GEOL 4030	Invertebrate Paleontology	GEOL 1050
GEOL 4040	Engineering Geology	GEOL 1030/1031 or GEOL 1040/1041; MATH 1710 and MATH 1720, or MATH 1730
GEOL 4050	Meteorology	none
GEOL 4070	Sedimentation and Stratigraphy	GEOL 1050 and GEOL 3000
GEOL 4080	Structural Geology	MATH 1730; GEOL 1030/1031 or GEOL 1040/1041; (GEOL 1050 Recommended)
GEOL 4090	Problems in Geology	12 hours GEOL (excluding GEOL 1030/1031), at least six of which must be upper division; consent of instructor
GEOL 4100	Geophysical Prospecting	GEOL 3060; MATH 1910;PHYS 2010/2011 or PHYS 2110/2111
GEOL 4120	Environmental Geology	GEOL 1030/1031 or GEOL 1040/1041
GEOL 4130	Hydrogeology	MATH 1730; GEOL 1030/1031 or GEOL 1040/1041; 4 hours of GEOL
GEOL 4140	Inorganic Geochemistry	GEOL 3000
GEOL 4150	Environmental Applications of Hydrogeology	GEOL 4130
GEOL 4571/4572	Internship in Geology	Major or Minor in Geology; 15 Hours of GEOL/GEOG with junior or senior standing; permission of department
GEOL 4580	Seminar in Geology	senior standing in geology

**PHYSICAL GEOGRAPHY: Course Prerequisites:**

<u>Course Number</u>	<u>Course Name</u>	<u>Prerequisite(s)</u>
PGEO 1030	Physical Geography	none
PGEO 3000	Maps and Mapping	none
PGEO 3401	Field Studies in Physical Geography	none
PGEO 4000	Climate and Climate Change	PGEO 1030 or GEOL 1030/1031 or GEOL 1040/1041
PGEO 4010	Biogeography	PGEO 1030 or GEOL 1030/1031 or GEOL 1040/1041
PGEO 4020	Environmental Impacts and Sustainability	PGEO 1030 or GEOL 1030/1031 or GEOL 1040/1041
PGEO 4280	Special Problems and Topics in Geog	Permission of Dept.
PGEO 4380	Cartography	none
PGEO 4490	Remote Sensing	none
PGEO 4510	Laboratory Problems in Remote Sensing	GEOG 4490 and Permission of Department
PGEO 4511	Advanced Remote Sensing	PGEO 4490
PGEO 4520	Image Interpretation	none
PGEO 4530	Geographic Information Systems	none
PGEO 4560	Intermediate GIS	PGEO 4530
PGEO 4570	Advanced GIS	PGEO 4560
PGEO 4571	Internship in Physical Geography	Geosciences Major/Minor; 15 hours Geosciences; Permission of Department