

Geography/Geology Field of Study Integrative Studies

The following are course options in Geography and Geology for Integrative Studies Majors.
You are always responsible for meeting course prerequisites stated below which may differ from the catalog

Introductory Geography/Geology Courses	Prerequisites and Notes
GEOG 1000 - National Parks: America's Best Idea	Core – Language Philosophy, and Culture
GEOG 1200 - Global Societies	
GEOG 1500 - Geospatial Technology and Urban Environments	Core – Component Area Option
GEOG 1710 - Earth Science	Core – Life and Physical Sciences
GEOG 2110 - Foundations of Geographic Research	Geography Majors Only
GEOG 2170 - Culture, Environment and Society	
GEOG 2180 - Geosystems, Environment and Society	
GEOG 3000 - Geoliteracy	CLASS Core Distribution or OCR Course
GEOL 1610 - Introduction to Geology	Core – Life and Physical Sciences
Environmental Studies	
GEOG 3200 - Sustainability	
GEOG 3420 - Applied Biogeography	
GEOG 3800 – Weather and Climate	
GEOG 4115 - Our Energy Futures	GEOG 2170
GEOG 4240 – Meteorology	GEOG 2180 or Consent of Dept.
GEOG 4250 – Climatology	GEOG 2180 or Consent of Dept.
GEOG 4260 - Oceanography (Starting 2022; offered as GEOG 4875 until then)	GEOG 1710 or GEOL 1610 or Consent of Dept.
GEOG 4420 - Capitalism, Nature and Climate Change	Junior or Senior Standing
GEOL 4710 - Ecosystems: Structure, Function and Services	GEOG 2180 or BIOL 2140 or Consent of Dept.
GEOG 4875 - Earth Science Topics	GEOG 2180 or Consent of Dept.
International Studies	
GEOG 3010 - Economic Geography	
GEOG 3600 - Political Geography	
GEOG 3750 - Geography of Contemporary Sub-Saharan Africa	
GEOG 3760 - Geography of China: Environment and Society	
GEOG 3770 - Latin America: Geography and Globalization	
GEOG 4210 - Urban Geography	
GEOG 4245 - Geography of International Development	Junior Standing

Healthcare	
GEOG 3120 - Medical Geography	
GEOG 4580 - GIS in Health	GEOG 2110 and GEOG 4185 or Consent of Dept.
Geosciences	
GEOG 4260 – Oceanography (Starting 2022; offered as GEOG 4875 until then)	GEOG 1710 or GEOL 1610, or Consent of Dept
GEOG 4350 - Geomorphology	GEOG 1710, GEOG 2180, or Consent of Dept
GEOG 4750 - Surface Water Hydrology	GEOG 2110, 2180, and MATH 1680 or Consent of Dept.
GEOL 3000 - Geology of Texas	GEOL 1610, 1710 or 2180, or Consent of Dept.
GEOL 3010 – Environmental Geology	
GEOL 3020 - Historical Geology	GEOL 1610, 1710 or 2180, or Consent of Dept.
GEOL 3030 - Earthquakes and Volcanoes	
GEOL 4630 - Soils Geomorphology	GEOL 1610, 1710 or 2180, or Consent of Dept.
GEOL 4850 - Introduction to Groundwater Hydrology	GEOL 1610, 1710 or 2180, or Consent of Dept.
GIS and Computer Science	
GEOG 3500 - Introduction to Geographic Information Systems	
GEOG 4525 - Using LiDAR Data in GIS (was GEOG 4570)	GEOG 3500
GEOG 4530 - Digital Image Analysis (was GEOG 4570)	GEOG 3500 or equivalent
GEOG 4540 – Introduction to Enterprise GIS Applications (was GEOG 4570)	
GEOG 4550 - Advanced Geographic Information Systems	GEOG 3500 with grade of C or better or Consent of Dept.
GEOG 4560 - Introduction to Python Programming	
GEOG 4570 - Special Topics in GIS	GEOG 3500 or Consent of Dept.
GEOG 4590 - Advanced GIS Programming	GEOG 4560 or Consent of Dept.
Business	
GEOG 3010 - Economic Geography	
GEOG 3100 - United States and Canada: Economies, Cities and Sustainability	
GEOG 4060 - Applied GIS: MapInfo Professional®	
GEOG 4220 - Applied Retail Geography	
GEOG 4230 - Location Intelligence: Business GIS Concepts and Applications	
Classes not fitting into above categories:	
GEOG 3050 - Introduction to Cartography	
GEOG 4170 - Mapping and Field Methods	Upper-division standing & consent of instructor
GEOG 4185 - Statistical Research Methods in Geography	MATH 1680 and GEOG 2110, or Consent of Dept.
GEOG 4410 – Location-Allocation Modeling	
GEOG 4885 - Human Geography Topics	GEOG 2170 or Consent of Dept.