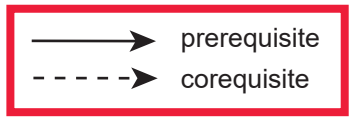


# GES Course Prerequisite Chart (up through Fall 2021)



**GES 1101, 1102, 1103, 1104, 1105**  
**Introduction to Physical Geology**  
**Introduction to Historical Geology**  
**Environmental Change, Hazards, and Resources**  
**Water: Mountains to Sea**  
**Oceanography**

**GES 2250**  
**Evolution of the Earth**

Pre: permission of instructor  
**GES 2353**  
**Public and K-12 Outreach in Geological and Environmental Sciences**

Co: RC 2001  
**GES 2745**  
**Prep for Geological Careers**

Pre: permission of instructor  
**GES 2451**  
**Geological Sample Preparation**

Pre: PHY 1103 or PHY 1150; MAT 1110  
**GES/PHY 3160**  
**Geophysics**

Co: CHE 1101/1110  
**GES 3220**  
**Fundamentals of Mineralogy**

**GES 3150**  
**Structural Geology**

Pre: permission of instructor  
**GES 2857**  
**Paleontology Field and Museum Methods**

Pre: six hours geology  
**GES 3333**  
**Geomorphology**

Pre: CHE 1101/1110  
**GES 3715**  
**Petrology and Petrography**

**GES 4835**  
**Field Camp**

**GES 3800**  
**Stratigraphy and Sedimentology**

Pre: six hours at 2000 level or above in BIO or ANT (if not GLY 2250)  
**GES 3025**  
**Paleontology**

Pre: four hours geology  
**GES 3680**  
**Geoarchaeology**

Pre: six hours geology  
**GES 3703**  
**Issues in Environmental Geology**

**Additional Gen Ed GES courses**

Gen Ed ILS/Historical/Social: Appalachian Mountains

**GES/AS 2301**  
**Energy Extraction in Appalachia**

Gen Ed ILS: How we know what we know about the past

**GES 1842**  
**Dinosaurs: then and now**

**GES 3264**  
**Paleontology Laboratory Techniques and Analytical Methods**

Pre: junior standing; six hours geology  
**GES 4705**  
**Engineering Geology**

Pre: PHY 1150; MAT 1110  
**GES 3455**  
**Quantitative Data Analysis for Earth and Environmental Scientists**

Pre: junior standing; six hours geology  
**GES4630**  
**Hydrogeology**

Pre: permission of instructor  
**GES 3810**  
**The Reef Environment and Geology of Modern Carbonate Systems**

Pre: final semester of senior year  
**GES 4210**  
**Geology Seminar**

Pre: CHE 1101, CHE 1110, and MAT 1110  
**GES 3310**  
**Geochemistry**

Pre: final semester of senior year  
**GES 4105**  
**Analysis and Implications of Environmental Issues**

**GES 3110**  
**Environmental Regulation and Enforcement**

**Independent Research and Internships**

Pre: permission of instructor

**GES 2500/3500**  
**Independent Study**

Pre: senior standing, permission of instructor

**GES 4501**  
**Senior Research**

Pre: GES 4501, senior standing, permission of instructor

**GES 4510**  
**Honors Thesis**

Pre: junior standing

**GES 4900**  
**Internship in Env. Sci.**

depends on course  
**GES 3530-3549**  
**Selected Topics**