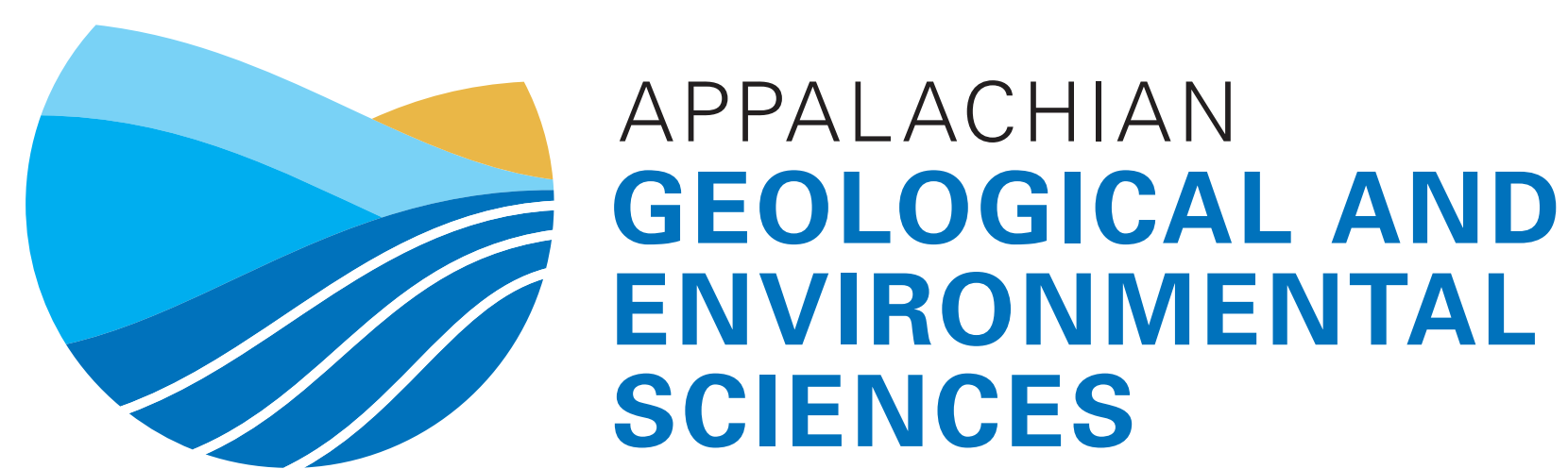


GES Course Prerequisite Chart



starting 2025-2026



Introductory and Gen Ed Classes

Gen Ed Science Inquiry
GES 1101: Introduction to Physical Geology (F/S/sum)
GES 1102: Introduction to Historical Geology (F/S/sum)
GES 1103: Environmental Change, Hazards, and Resources (F/S/sum)
GES 1104: Water: Mountains to Sea (F/S/sum)
GES 1105: Oceanography (F/S/sum)

GES 1010 (F/S)
Introduction to Environmental Science

Gen Ed ILE/SCL
GES 2301 (S) - same as AS 2301
Energy Extraction in Appalachia

Gen Ed ILE/HUM
GES 1842 (F)
Dinosaurs: then and now

Gen Ed SCL
GES 1050 (F/S/sum)
Conservation of Natural Resources in a Changing Climate

Gateway to the Major Classes

GES 1101
GES 2250 (F/S)
Evolution of the Earth

permission of instructor
GES 2353 (F/S)
Public and K-12 Outreach in Geological and Environmental Sciences

GES 2250 with a C- or better
GES 2751 (F/S)
Geology Field Methods I

permission of instructor
GES 2451 (S)
Geological Sample Preparation

RC 2001 (pre or coreq)
GES 2750 (F/S)
Preparation for Careers in the Earth and Environmental Sciences

permission of instructor
GES 2857 (sum)
Paleontology Field and Museum Methods

GES 2752 (F/S)
Environmental Science Field Methods

GES 3751 (sum)
Geology Field Methods II

permission of instructor
GES 3810 (sum)
The Reef Environment and Geology of Modern Carbonate Systems

GES 3025 (S)
Paleontology

GES 3150 (F)
Structural Geology

GHY 2812
GES 3140 (S)
Quantifying Environmental Change

GES 3264 (F/S)
Paleontology Laboratory Techniques and Analytical Methods

PHY 1103 or PHY 1150; MAT 1110
GES/PHY 3160 (S)
Geophysics

GES 3110 (F)
Environmental Regulation and Enforcement

GES 3800 (S)
Stratigraphy and Sedimentology

MAT 1110
GES 3170 (S)
Critical Zone Science

permission of instructor
GES 3857 (spring break)
Field Course in Geology and Environmental Science

six hours geology
GES 3703 (S)
Issues in Environmental Geology

CHE 1101/1110, and CHE 1102/1120
GES 3310 (F)
Global Biogeochemical Cycles

CHE 1101/1110
GES 3220 (F)
Fundamentals of Mineralogy

PHY 1150, MAT 1110
GES 3455 (F)
Quantitative Data Analysis for Earth and Environmental Scientists

four hours geology
GES 3680 (S)
Geoarchaeology

MAT 1110, PHY 11XX
GES 4705 (S)
Engineering Geology

GES 3715 (S)
Petrology and Petrography

MAT 1110, PHY 11XX
GES 4630 (F)
Hydrogeology

Pre: six hours geology
GES 3333 (F)
Geomorphology

junior/senior standing; STT 2810 or STT 2820
GES 4025 (S)
Introduction to Multivariate Data in Earth and Life Sciences

GES 4751 (sum)
Field Methods III

permission of instructor
GES X500 (F/S/sum)
Independent Study

Independent Research, Theses, Internships, and Capstone/Senior Seminars

GLY majors only, final semester of senior year
GES 4210 (F/S)
Geology Seminar

senior standing, permission of instructor
GES 4501 (F/S)
Senior Research

ENV majors only, final semester of senior year
GES 4209 (F/S)
Environmental Science Seminar

GES 4501, senior standing, permission of instructor
GES 4510 (F/S)
Honors Thesis

junior standing or higher, permission of chair
GES 4900 (sum)
Internship in Environmental Science

depends on course
GES 3530-3549
Selected Topics