

# GEOLOGY (GLY)

GLY 105 Environmental Geology fulfills the physical sciences requirement for the Associate in Arts, Associate in Science and Associate in Fine Arts degrees.

GLY 112 Physical Geology fulfills both the physical sciences requirement and the lab science requirement for the AA, AS, and AFA degrees.

GLY 105 Environmental Geology and GLY 112 Physical Geology may be used to fulfill the science requirement in the Associate in Liberal Studies degrees.

All GLY courses numbered 100 and above may be applied to the major field and elective requirement in the AA and AS degrees.

All GLY courses numbered 100 and above may be used to fulfill the science/math requirement in the Associate of Applied Science degree.

## GLY 101 Survey of Geology (3) 3,0

Introductory lecture course in historical and physical geology covering nature and properties of the materials composing earth, distribution of materials throughout the globe, processes by which they are formed, altered, transported and distorted. (1.1) Proficiency Credit Available Pass/No Credit Not Available.

**In-District Tuition/Fees:** \$415 (effective 2024/25 academic year)

**In-district tuition rates are subject to change based on Board approval.**

**Prerequisite:** None

**Semester(s) Offered:** Fall, Spring and Summer

## GLY 105 Environmental Geology (3) 3,0

A non-technical survey of geological phenomena that relate directly to our present and future environmental problems. Includes natural hazards such as earthquakes and flooding. Deals with society related concerns such as waste disposal and resource depletion. Much emphasis on energy-related topics. (1.1) Fulfills the ECC/IAI General Education/Physical Sciences requirement. IAI Course Number P1 908 Proficiency Credit Not Available Pass/No Credit Not Available.

**In-District Tuition/Fees:** \$435 (effective 2024/25 academic year)

**In-district tuition rates are subject to change based on Board approval.**

**Prerequisite:** Reading: Grade of C or better in RDG 091 or LTC 099, or satisfaction of other placement criteria.

**Semester(s) Offered:** Fall, Spring and Summer

## GLY 112 Physical Geology (4) 3,2

Introductory course in historical and physical geology covering nature and properties of materials composing the earth. Includes studies and observations of the distribution of materials throughout the globe and processes by which they are formed, altered, transported and distorted. An all-day field trip or equivalent project is required. (1.1) Fulfills the ECC/IAI General Education/Physical Sciences requirement. IAI Course Number P1 907L Proficiency Credit Not Available Pass/No Credit Not Available.

**In-District Tuition/Fees:** \$590 (effective 2024/25 academic year)

**In-district tuition rates are subject to change based on Board approval.**

**Prerequisite:** Reading: Grade of C or better in RDG 091 or LTC 099, or satisfaction of other placement criteria. Recommended: One year high school chemistry or equivalent.+

**Semester(s) Offered:** Fall, Spring and Summer

## GLY 220 Vertebrate Paleontology Field Method (2) 0,2

This course would apply classroom lessons in physical geology in the field of vertebrate paleontology. Students would travel with the instructor from Elgin, IL to Hanksville, UT. During the trip, many stops will be made to note changes in geology across the American Great Plains, through Iowa and Nebraska, to Colorado and Utah with discussions of global climate and geological changes throughout time. In Hanksville, the class will learn hands-on methods of prospecting, locating, and properly excavating late Jurassic-age dinosaur fossils with the highly experienced field crew from the Burpee Museum of Natural History from Rockford, IL. The course includes classroom discussions before and after the trip, with the field trip lasting approximately 8 days. The classroom portion of the course will require reading certain necessary manuscripts to facilitate discussion. Students must successfully pass all evaluation tools (exams, quizzes) in the pre-trip part in order to be allowed to participate in the trip. Students are required to complete a post-trip project based on the information learned in the classroom and field. Additional requirements: Due to the nature of the field work, students must be medically fit to participate in a moderately demanding physical activity at elevated temperatures. Due to safety consideration of work in the quarry, students must be able to move unassisted on slightly uneven terrain. (1.1) Proficiency Credit Not Available Pass/No Credit Not Available.

**In-District Tuition/Fees:** \$770 (effective 2024/25 academic year)

**In-district tuition rates are subject to change based on Board approval.**

**Prerequisite:** Grade of C or better in GLY 112

Recommended: Successful completion of high school biology

**Semester(s) Offered:** Varies