MAJOR IN GEOLOGY
EARTH AND SPACE SCIENCE TEACHER EDUCATION SEQUENCE (B.S.)

Transfer Students

Illinois Articulation Initiative (min. 37 credit hours)
To be eligible for IAI, at least one transfer course must have been articulated to an IAI core requirement. Refer to the Undergraduate Catalog for a complete list of IAI courses and policies.

Communication and Composition (3 courses required)
A grade of C or better required in ENG 101 and 145 or equivalents
  3  C2 900  COM 110  Communication as Critical Inquiry
  3  C1 900  ENG 101 or ENG 101A10  Composition as Critical Inquiry
  3  C1 901  ENG 145  Writing in the Academic Disciplines

Mathematics (1 course required)
Please see major requirements for mathematics options

Physical & Life Sciences (2 courses/7-8 hours required)
Students must complete 1 life science and 1 physical science course; at least one course must have a lab.
  4  L1 901L  BSC 196 Biological Diversity or BSC 197 Molecular/Cellular Basis of Life
  4  P1 902 CHE 110 Fundamentals of Chemistry or P1 900L PHY 108 College Physics I

Humanities & Fine Arts (3 courses required)
At least one humanities and 1 fine arts course required

Social & Behavioral Sciences (3 courses required)
Two different disciplines must be represented
  3  S6 900  PSY 110 Fund of Psychology

Additional Graduation Requirements

/120 minimum total credit hours
/42 minimum senior college hours
College of Arts & Sciences language requirement
AMALI requirement
See the AMALI Requirement section of the catalog or the Course Finder website for a list of courses.

B.S. Science, Math, & Technology (1 course required)
See the B.S.—SMT Requirement section of the catalog or the Course Finder website for a list of courses.
  3  GEO 211 Earth's Dynamic Weather

Major (83 credit hours)

GEO requirements (29 credit hours)
  3  GEO 202 Evolution of Earth
  3  GEO 203  Minerals, Rocks, Fossils, & Maps
  3  GEO 211 Earth's Dynamic Weather
  4  GEO 280 Mineralogy (P: GEO 203; CHE 140)
  4  GEO 290 Structural Geology (P: GEO 203)
  3  GEO 295 Sedimentology (P: GEO 203)
  3  GEO 307F  Teaching Geography/Earth Science (P: C or better in TCH 216; 8+ earned hours of Geography or Geology)

Take 6 credit hours of additional senior college Geology electives:

Required courses outside of GEO (28 credit hours)
  4  BSC 196 Biological Diversity
  4  BSC 197 Molecular & Cellular Basis of Life
  4  CHE 110 Fundamentals of Chemistry
  5  PHY 108 College Physics I
  5  PHY 109 College Physics II (P: PHY 108 or 110)
  3  PHY 208 Astronomy & Space Science (P: MAT 113, 120, 130, or 145; PHY 102, 105, 108, or 110)
  3  TCH 311 Teaching High School Physics (P: 18 hours in Physics; PHY 310; C or better in TCH 216 or conc. reg.)

Professional Education requirements (26 credit hours)
  3  PSY 215 Educational Psychology (P: PSY 110 or 111)
  2  TCH 212  The Teaching Profession in Secondary Schools (P: 45+ earned hours; 2.5 major & cum. GPA; ENG 101, COM 110)
  3  TCH 216 Principles & Practices for Teaching & Learning in Secondary Schools (P: TCH 212; 2.5 major & cum. GPA)
  3  TCH 219 Integrating Multiple Literacies & Technology Across the Secondary Curriculum (P: TCH 212, 216; 2.5 major & cum. GPA)
  12  STT 399A19 Student Teaching in Earth & Space

Take one of the following courses (P: 45+ earned hours):
  3  EAF 228  Social Foundations
  3  EAF 231  Introduction to Philosophy of Education
  3  EAF 235  Historical Foundations

† Admission to Professional Studies required

Geography-Geology Courses:
https://coursefinder.illinoisstate.edu/directory/geo/

All Courses:
https://coursefinder.illinoisstate.edu/directory/