

GEOLOGY MAJORS (Suggested Associate in Science Degree Curriculum)

This worksheet is designed to help students select courses which are likely to apply to a major in **GEOLOGY**. These suggested courses satisfy requirements in the **Associate in Science Degree** program at Prairie State College and provide the basis for transferring to a four-year institution. This program meets the guidelines of the **IAI (Illinois Articulation Initiative) General Education Core**. Students should obtain a copy of the Associate in Science Degree Worksheet and should visit the IAI Website at www.iTransfer.org for more information.

The geologists study the earth, the processes that shape it, the resources we get from it, and the impact of human action on it. Geologists work in petroleum and mineral exploration, researching and predicting natural disasters, and teaching. An increasing number of geologists focus on environmental work, ensuring adequate water supplies and reducing pollution. In the typical four-year curriculum, the first two years are spent studying basic sciences, including mathematics, chemistry and physics. The last two years emphasize advanced science courses.

SUGGESTED CURRICULUM

Each senior institution has its own transfer policies. Therefore, we cannot guarantee the accuracy of this information in regard to every individual school. Consult the school of your choice and/or the Prairie State College Advising Center to discuss the transferability of courses.

TRANSFERABLE GENERAL EDUCATION CORE (39-40 credits)

Area A: Communications (9 credits)

ENG 101 (3)	[C1 900]*	Composition I (Prereq. ENG 099, C or better, or qualifying score on English Placement Test)
ENG 102 (3)	[C1 901R]*	Composition II (Prereq. ENG 101, C or better)
COMM 101(3)	[C2 900]	Principles of Communication (Prereq. Placement in ENG 099 or above)

**Must have a C or better in ENG 101 & 102 to receive credit for the degree.*

Area B: Humanities and Fine Arts (9 credits)

Select three courses with at least one course selected from the humanities area and one course from the fine arts area. Refer to the Associate in Science Degree Worksheet, Area B, for a listing of approved course choices.

Humanities Course (3)	Select any Area B Humanities Course (Prereq. Placement in ENG 099 or above)
Fine Arts Course (3)	Select any Area B Fine Arts Course (Prereq. Placement in ENG 099 or above)
Humanities/Fine Arts Course (3)	Select any Area B Course (Prereq. Placement in ENG 099 or above)

Area C: Mathematics (5 credits)

MATH 171 (5) [M1 900-1]	Calculus with Analytic Geometry I (Prereq. MATH 165 with C or qualifying score on Math Placement Test)
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Area D: Physical and Life Sciences (7-8 credits)

Select one life science and one physical science course. One course must have a lab component. Refer to the Associate in Science Degree Worksheet, Area D, for a listing of approved course choices.

GEOLO 101 (4) [P1 907L]	Physical Geology (Prereq. Placement in ENG 099 or above)
Life science course (3-4)	Select any Area D Life Science Course (Prereq. Placement in ENG 099 or above)

Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines. Refer to the Associate in Science Degree Worksheet, Area E, for a listing of approved course choices.

Social/Behavioral Sci Course (3)	Select any Area E Social/Behav Sci Course (Prereq. Placement in ENG 099 or above)
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GEOLOGY/EARTH SCIENCE MAJOR COURSE RECOMMENDATIONS (22-23 credits)

Check with the school to which you plan to transfer to verify transferability of courses for this major.

Select 22-23 credits from the "suggested" course recommendations listed below:

Suggested Geology Major courses often include:

CHEM 110 (5)	General Chemistry I (Prereq. MATH 095 or placement in MATH 151 AND high school chemistry)
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- CHEM 130 (5) General Chemistry II (Prereq. CHEM 110 with C or better)
MATH 172 (5) Calculus with Analytic Geometry II (Prereq. MATH 171)
MATH 173 (5) Calculus with Analytic Geometry III (Prereq. MATH 172)
PHYSI 120 (4)* College Physics I (Prereq. MATH 151 or placement in MATH 165 or above)
PHYSI 130 (4)* College Physics II (Prereq. PHYSI 120 or equivalent)
PHYSI 210 (4)* University Physics I (Prereq. MATH 171 and high school physics)
PHYSI 220 (4)* University Physics II (Prereq. MATH 171)

**Some universities require algebra based physics (PHYSI 120, 130). Others require calculus-based physics (PHYSI 210, 220).*

Other suggested courses which satisfy the PSC AS degree requirements may include electives such as:

- Any additional general education courses selected from Areas B, C, D, or E
- Any entry level majors course in a transferable major area
- Any foreign language courses*
- Up to four credits of physical education courses
- Additional courses recommended as transferable by the school to which you plan to transfer.

**Foreign Language Requirement: Some universities have a foreign language requirement. Generally, four years of a single foreign language in high school, or four semesters in college, will fulfill this requirement. It is recommended that students complete the entire sequence at one institution.*

62 CREDITS REQUIRED FOR AN ASSOCIATE IN SCIENCE DEGREE

FOR FURTHER INFORMATION CONTACT:

Counseling & Advising Center Room 1190 (708) 709-3506

PHYSICAL SCIENCE DEPARTMENT FACULTY:

Lee Anne Burrough, Assistant Professor Room 2296 (708) 709-3674

Physical Science Lab Room 3270 (708) 709-3662

FOR TRANSFER INFORMATION:

u select, formerly known as Course Applicability System (CAS): www.transfer.org

Illinois Articulation Initiative (IAI): www.iTransfer.org

Links to Articulation Tables for Illinois Colleges: <http://www.itransfer.org/IAI/Other/Articulationlinks.taf>

Visit the web sites of colleges and universities to which you plan to transfer.

FOR CAREER INFORMATION:

Occupational Outlook Handbook, U.S. Department of Labor: <http://www.bls.gov/oco/home.htm>

American Geological Institute: www.agiweb.org

American Institute of Professional Geologists: www.aipg.org

Geological Society of America: www.geosociety.org