

Harper College Transfer Planning Guide

Associate in Science – Geology Sample Plan

Transfer & Career Notes

A bachelor's degree is adequate for entry into technician types of positions with limited advancement. Job availability is very limited. Most major oil companies require a master's degree in geology to be hired for a professional position such as an exploration geologist. Most pure research positions require or highly recommend a doctorate.

Students who major in geology will take courses in mathematics, physics, chemistry, and computer science in addition to other general education requirements.

Some occupations for Geology majors: Cartographer, Civil Engineer, Geophysicist, Metallurgist, Mineralogist, Nuclear Engineer, Paleontologist, Surveyor, Laboratory Technician.

Suggested Courses

This sample transfer planning guide meets the requirements of the Fall 2016 AS degree. Transfer institution requirements may vary - students should check individual college/university requirements before completing the sample plan as outlined. Baccalaureate admission may be competitive; completion of these courses alone does not guarantee admission.

Requirements for schools vary. Students should check the individual school requirements before completing the curriculum as outlined.

Courses	Semester Hours
Communications	
ENG 101 English Composition I	3
ENG 102 English Composition II	3
SPE 101 Fundamentals of Speech Communication	3
Mathematics	
MTH 200 Calculus with Analytic Geometry I	5
Physical & Life Sciences	
BIO 104 Environmental Laboratory Biology	4
CHM 121 General Chemistry I	5
Humanities & Fine Arts	
Select at least one course from humanities and one from fine arts. Interdisciplinary courses may count in either category. Approved courses are listed with the requirements for the associate degrees. See Group 4 - Humanities and Fine Arts - in the AA Degree	6
For students following the 2005-2006 catalog or later, one course from humanities and fine arts or social and behavioral sciences must meet the world cultures and diversity requirement.	
Social & Behavioral Sciences	
GEG 101 World/Regional Geography	3
Social and Behavioral Science elective	3
Approved courses are listed with the requirements for the associate degrees. See Group 5 - Social & Behavioral Sciences - in the AA Degree	
For students following the 2005-2006 catalog or later, one course from humanities and fine arts or social and behavioral sciences must meet the world cultures and diversity requirement.	
Additional Mathematics Course	
MTH 201 Calculus with Analytic Geometry II	5
Additional Science Course	
CHM 122 General Chemistry II	5

Major Discipline and Transfer Electives

Students should check the curriculum of the transfer schools they are considering.

GEO 101 Physical Geology		4
PHY 121 Introductory Physics I	<u>OR</u>	
PHY 201 General Physics I: Mechanics		5
PHY 122 Introductory Physics II	<u>OR</u>	
PHY 202 General Physics II Electricity and Magnetism		5
Other elective credit. Approved courses are listed with the requirements for the associate degrees.		
See Group 6 – Major Discipline and Transfer Electives - in the AS Degree.		9

Transfer Information

Many schools offer the geology major. A sampling of some in Illinois include:

- Augustana College
- Bradley University
- Eastern Illinois University
- Illinois State University
- Northern Illinois University
- Southern Illinois University
- University of Illinois at Chicago
- University of Illinois at Urbana Champaign
- Western Illinois University
- Wheaton College

More Information

For additional transfer resources and to make an appointment with a counselor, please contact one of our advising offices.

Academic Advising and Counseling	I-117	847-925-6393
Center for Multicultural Learning	A-347	847-925-6522
Career Development Center	A-347	847-925-6220

Occupational Outlook Handbook	http://www.bls.gov/oco/
The Princeton Review	http://www.princetonreview.com/
Careers in Geology	http://jove.geol.niu.edu/deptnews/careers/careers.html
Geological Society of America	http://www.geosociety.org/