

Sample Education Plan Associate in Science (AS) Area of Focus: Geology



Please note that the AS degree is not awarded in a specific major or focus area.

This is a SAMPLE plan to help guide you toward courses relevant to your interests while you are deciding on a transfer institution. Suggested courses are based on requirements of several four-year institutions. Please note that requirements vary among four-year colleges and universities. It is important to check early with your transfer school and academic advisor to ensure you are taking appropriate courses and meeting all requirements. You will find transfer guides for specific universities on MCC's website: www.mchenry.edu/transfer.

AS Degree Requirements: Area of Focus—Geology

Students are encouraged to complete an AS degree prior to transfer. A minimum of 60 credits is required for transfer as a junior into a bachelor's degree environmental science program.

Please refer to MCC's AS degree planning sheet in the current academic catalog for specific degree requirements and course options.

Suggested Courses

GENERAL EDUCATION CORE CURRICULUM	CREDITS	OTHER COURSE REQUIREMENTS	CREDITS
Communications		Diversity and Multicultural Studies	
^ENG 151 Composition I	3	One 3-credit hour course is required. Courses that fulfill this requirement may be used to fulfill credits in Humanities/Fine Arts, Social/Behavioral Sciences, or Electives. See current catalog for complete list of Diversity & Multicultural Studies course options and how they apply toward degree requirements.	
^ENG 152 Composition II	3		
SPE 151 Introduction to Speech	3		
Humanities and Fine Arts		Electives (approximately 15 credits, will depend on credit value of your course selections)	
IAI Fine Arts	3	Recommended Courses (select with your advisor):	
IAI Humanities	3	^CHM 166 General Chemistry II	5
Social and Behavioral Sciences		GEL 110 Geology of the National Parks	3
PSY 151 Introduction to Psychology	3	^MAT 245 Calculus w/Analytic Geometry II	5
HIS 170 or HIS 172 US History I or II	3	^PHY 280 College Physics I	4
Physical and Life Sciences		^PHY 281 College Physics II	4
^CHM 165 General Chemistry I	5	Foreign Language	0–16
^BIO 157 Fundamentals of Biology	4	Total Credits Required for AA Degree	60
GEL 105 Introduction to Physical Geology	4	Many 4-year schools will accept a maximum of 60–64 transfer credits.	
Mathematics			
^MAT 165 College Algebra & Trigonometry	5		
^MAT 175 Calculus w/Analytic Geometry I	5		
^Course has prerequisite(s)—Please reference the current academic catalog for prerequisites.			

NOTE:

- **Mathematics and science course selection will depend on your transfer school. Requirements vary among four-year schools.**
- An entire sequence should be taken at the same school (e.g. CHM165 & CHM166). Content may vary between institutions; completing sequence at a single institution is the best way to assure that neither credit nor content is lost in transfer.
- Your transfer school may require at least 1 year of foreign language. High school foreign language may or may not count. It is always recommended that the foreign language requirement be completed prior to transfer.
- The AS degree does not include the entire IAI General Education Core Curriculum (GECC) package. Meet with an MCC academic advisor to learn more about the IAI GECC.

For more information:
advising@mchenry.edu or (815) 479-7565
www.mchenry.edu/advising



Transfer Notes

Geology is the study of the Earth. Geologists study earth processes, earth materials, and earth history. Geologists work in a variety of settings, including natural resource companies, environmental consulting companies, government agencies, non-profit organizations, and colleges. Although a bachelor's degree is required for entry level employment, many geologists earn master and/or doctorate degrees. The advanced degrees provide a higher level of training, often in a geology specialty area such as paleontology, mineralogy, hydrology or volcanology. Advanced degrees will often qualify the geologist for supervisory positions, research assignments, or teaching positions at the college level. Bachelor's degree geology programs are built on an in-depth foundation of sequential coursework in science and math, while upper-division coursework provides the preparation necessary for graduate studies and/or work in the field.

Admission and specific course requirements for baccalaureate geology programs vary among four-year institutions. Competency through the second, third, or fourth semester of a single foreign language may be an admission or a graduation requirement. Ask about the language requirement of the schools you are considering, and complete the required foreign language courses before transfer. In some cases, two years of foreign language study in high school will substitute for two semesters in college.

A geology major may pursue a program leading to state licensure as a high school teacher. Teachers in public schools are required to be licensed. Licensure requirements vary by state. Almost all states require that applicants to teacher education programs be tested for competency in basic skills and undergo a criminal background check.

Transfer Schools

Many colleges and universities have the geology major. Following is a sample of Illinois public and private four-year institutions that offer geology programs:

- Augustana College
- Bradley University
- Concordia University
- Eastern Illinois University
- Illinois State University
- Knox College
- Monmouth College
- Northeastern Illinois University
- Northern Illinois University
- Northwestern University
- Olivet Nazarene University
- Southern Illinois University at Carbondale
- Southern Illinois University at Edwardsville
- University of Illinois at Chicago
- University of Illinois at Urbana/Champaign
- Western Illinois University
- Wheaton College

Transfer Resources

www.itransfer.org—iTransfer is a portal for transfer assistance in the state of Illinois. Find information about the Illinois Articulation Initiative and MyCreditsTransfer (Transferology—a nationwide transfer tool).

www.mchenry.edu/transfer—Find transfer guides, course equivalencies, partnership agreements, and other transfer resources.