

Requirements for Geology Concentration

Each of the main discipline areas is listed separately, along with the number of units required in each group.

In addition to the requirements below, students **must also demonstrate second-semester language proficiency.**

TIER ONE

Traditions and Culture (TRAD) (6 units):

COURSE	TITLE	UNITS
		3
		3

Individuals and Societies (INDV) (6 units):

COURSE	TITLE	UNITS
		3
		3

TIER TWO

Arts (3 units):

COURSE	TITLE	UNITS
		3

Individuals and Societies (INDV) (3 units):

COURSE	TITLE	UNITS
		3

Humanities (3 units):

COURSE	TITLE	UNITS
		3

* Note that one of the General Education requirements above must also be a course on non-western cultures or gender/race/class/ethnicity.

English (6 units):

COURSE	TITLE	UNITS
ENGL 101	First-Year Composition	3
ENGL 102	First-Year Composition	3

Math (9 units):

COURSE	TITLE	UNITS
MATH 125	Calculus I (P: MATH 120R, or MATH 110/112 and MATH 111, or an acceptable score on MRT)	3
or 124	Calculus I with Applications	5
MATH 129	Calculus II (P: MATH 124 or MATH 125)	3

One of the following:

MATH 160	Basic Statistics (P: acceptable score on MRT)	3
MATH 215	Introduction to Linear Algebra (P: MATH 129 or MATH 250A)	3
MATH 223	Vector Calculus (P: MATH 129 or MATH 250A)	4
MATH 263	Intro to Statistics and Biostatistics (P: MATH 110/112 or acceptable score on MRT)	3
G EN 402	Probability and Statistical Concepts in Geologic Media (P: MATH 223)	3-4

**2008-2009 Finish in Four! ACADEMIC PLAN
Geosciences: Geology Concentration**

THIS SAMPLE PROGRAM SHOULD NOT BE FOLLOWED WITHOUT CONSULTATION
WITH THE DEPARTMENT ADVISOR.

Freshman Year

MATH 124 or 125	3 (5)	MATH 129	3
ENGL 101	3	ENGL 102	3
Tier 1 Trad	3	Tier 1 Trad	3
GEOS 251	<u>4</u>	GEOS 304	4
	13 (15)	Tier I Indv	<u>3</u>
			16

Sophomore Year

PHYS 131	4	PHYS 132	4
CHEM 151	4	CHEM 152	4
GEOS 302	4	GEOS 322	3
Additional Math	<u>3</u>	Tier 1 Indv	<u>3</u>
	15		14

Junior Year

GEOS 306	3	GEOS 356	4
Tier 2 Arts	3	GEOS Advisor-Approved	3
GEOS 308	3	Tier 2 Humanities	3
GEOS Advisor-Approved	<u>6</u>	Computer Science Course	3
	15	Free Electives	<u>3</u>
			16

Summer Session

GEOS 414	<u>6</u>
	6

Senior Year

GEOS Advisor-Approved	6	GEOS Advisor-Approved	6
Tier 2 Indv	3	Free Electives	<u>6</u>
Free Electives	<u>3</u>		12
	12		

TOTAL UNITS: 120

NOTES:

1. One course in a student's degree program must focus on non-western cultures or gender/race/ethnicity.
2. No minor is required for this program.
3. Students who do not demonstrate second-semester proficiency in a second language upon entrance into the U of A will be required to complete up to two courses (8-10 units) in a second language. This coursework would be best completed in the freshman year.