

BS in Geology with concentration in Engineering Geology

Below is a sample 4-year plan for students pursuing the BS in Geology with a concentration in Engineering Geology. To view the list of courses approved to fulfill Core 34, please visit the KU Core 34 page (<https://catalog.ku.edu/core34/>).

Freshman

Fall	Hours	Spring	Hours	Summer	Hours
Core 34: English (SGE) ⁰¹⁰	3	Core 34: English (SGE) ⁰¹⁰	3	3 GEOL 360 or 370 (Major Requirement) ²	2
MATH 125 (Core 34: Math and Statistics (SGE)030) ^{030*}	4	MATH 126 (Major Pre-requisite)	4		
GEOL 101 & GEOL 103 (Major Requirement, Core 34: Natural and Physical Sciences (SGE) ^{040*}	5	PHSX 211 & PHSX 216 (Major Pre-requisite)	5		
	12		12		2

Sophomore

Fall	Hours	Spring	Hours	Summer	Hours
Core 34: Social and Behavioral Science (SGE) ⁰⁶⁰	3	MATH 290 (Major Pre-requisite)	2		
MATH 220 (Major Pre-requisite)	3	CE 201 (Major Pre-requisite)	2		
CHEM 130 (Major Pre-requisite)	5	CHEM 135 (Major Pre-requisite)	5		
GEOL 311 & GEOL 312 (Major Requirement) ¹	4	PHSX 212 & PHSX 236 (Major Pre-requisite)	4		
		GEOL 331 (Major Requirement)	4		
	15		17		

Junior

Fall	Hours	Spring	Hours	Summer	Hours
Core 34: Communications (SGE) ⁰²⁰	3	CE 330 (Major Pre-requisite)	3	GEOL 560 (Capstone Requirement) ²	3

Core 34: Social and Behavior Science (SGE) ⁰⁵⁰	3	GEOL 351 (Major Requirement) ¹	3	GEOL 561 (Major Requirement) ²	3
EECS 138, C&PE 325, or GEOL 503 (Major Pre-requisite)	3	GEOL 512 & GEOL 513 (Major Requirement) ¹	4		
GEOL 572 (Major Requirement) ¹	3	GEOL 562	4		
	12		14		6

Senior

Fall	Hours	Spring	Hours
Core 34: Global Culture (SGE) ⁰⁷⁰	3	Core 34: Arts and Humanities (SGE) ⁰⁶⁰	3
Core 34: Arts and Humanities (SGE) ⁰⁶⁰	3	Core 34: US Culture (SGE) ⁰⁷⁰	3
CE 455 (Major Requirement)	3	CE 487 (Major Pre-requisite)	4
GEOL 541 (Major Requirement) ¹	4	300+ GEOL or Civil Engineering Elective (Major Requirement) ³	3
GEOL or Civil Engineering Elective (Major Requirement) ³	3	GEOL or Civil Engineering Elective (Major Requirement) ³	3
	16		16

Total Hours 122

- ¹ All major required Geology courses and most Geology elective courses numbered 300 and above are offered once a year, either in the fall, spring or summer term.
- ² GEOL 360, GEOL 560, and GEOL 561 are offered only in the summer.
- ³ The Engineering Geology concentration must complete three additional geology or civil engineering courses, at least two of which must be from the list provided under the Degree Requirements tab.

Please note:

All students in the College of Liberal Arts and Sciences are required to complete 120 total hours of which 45 hours must be at the Jr/Sr (300+) level.

Notes:

* - This course is a Required major course and is also part of Core 34: Systemwide General Education. If this course is not taken to fulfill the Core 34:SGE requirement, it must be taken in place of elective hours.

** - This course is a Recommended Core 34: Systemwide General Education course. This specific course is not required but is recommended by the program's faculty.

*** - This course is a Required Core 34: Systemwide General Education course. This program is approved by the Kansas Board of Regents to require this specific Core 34: Systemwide General Education course. If a student did not take this course it must be taken in addition to other degree requirements.