

Bachelor of Science - Geology - Environmental and Engineering Geology Concentration
First Time Freshman Academic Roadmap

Year 1: Freshman Year				Year Total				29
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units	
GEOL 1000, 1020, or 1060 (GE 5A)	Fall & Spring		3	GEOL 2000	Spring		4	
GEOL 1000L or 1060L (GE 5C)	Fall & Spring		1	CHEM 2100	Fall & Spring	MATH 1401 or 1403	4	
MATH 1401(GE 2)	Fall & Spring		4	CHEM 2100L	Fall & Spring	CHEM 2100 (Corequisite)	1	
Oral Communication (GE 1C)	Fall & Spring		3	Critical Thinking (GE 1B)	Fall & Spring		3	
Written Communication (GE 1A)	Fall & Spring		3	General Education	Fall & Spring		3	
Semester Total			14	Semester Total			15	

Year 2: Sophomore Year				Year Total				33
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units	
CHEM 2200	Fall & Spring	CHEM 2100 with a grade of C or better	4	GEOL 3220	Spring	GEOL 3200	4	
CHEM 2200L	Fall & Spring	CHEM 2200 (Corequisite)	1	GEOL 3240	Spring	GEOL 3200 with grade C or better	4	
GEOL 3100	Fall	GEOL 1000+L or GEOG 1030	3	GEOL 3903	Fall & Spring		3	
GEOL 3200	Fall	GEOL 1001+L, and CHEM 2050 or 2100	5	MATH 1601 or 2210	Fall & Spring		3	
General Education	Fall & Spring		3	General Education	Fall & Spring		3	
Semester Total			16	Semester Total			17	

Year 3: Junior Year				Year Total				31
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units	
GEOL 3300	Fall	GEOL 1000+L or GEOG 1030, BIOL 1000	3	GEOL 3600	Fall & Spring	GEOL 1000+L; PHYS 1000, 2000, or 2500	4	
GEOL 3700	Fall	Any 1000-level GEOL course with lab	3	GEOL 3990 (WI)	Fall & Spring		3	
PHYS 2000 or 2500	Fall & Spring	Varies	4	GEOL 4100	Fall & Spring	GEOL 3100 with a grade of "C" or better	4	
PHYS 2000L or 2500L	Fall & Spring	Varies	1	General Education	Fall & Spring		3	
General Education	Fall & Spring		3	General Education (UD)	Fall & Spring		3	
Semester Total			14	Semester Total			17	

Year 4: Senior Year				Year Total				28
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units	
GEOL 3903 or 3902	Fall & Spring	GEOL 3100 with a grade of "C" or better	3	GEOL 4900	Spring	GEOL 4000 with a grade of "C-" or better	2	
GEOL 4000	Fall	GEOL 3990 with a grade of "C-" or better	2	Concentration Elective	Fall & Spring	Varies	3	
Concentration Elective	Fall & Spring	Varies	3	General Education (UD)	Fall & Spring		3	
General Education	Fall & Spring		3	General Education	Fall & Spring		3	
General Education (UD)	Fall & Spring		3	Free Elective*	Fall & Spring		3	
Semester Total			14	Semester Total			14	
				Degree Units Total			121	

ENVGCNSBSX

Last modified

8/25/2026

The roadmap is an academic planning resource. Students should refer to their PAWS Report and Academic Catalog for graduation requirements.

*Note that students may require additional GE courses or supporting Math coursework