MAJOR IN GEOLOGY, GEOLOGY CONCENTRATION

Major Completion Map

Freshman

Semester 1		**Critical**	**Recommended**	**AUCC**	**Credits**
CO 150	College Composition (GT-CO2)	X		1A	3
GEOL 150	Dynamic Earth (GT-SC2)	X		3A	4
GEOL 192	New Student Seminar--Exploring Geosciences	X			1
Social and Behavioral Sciences (https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#social-behavioural-sciences)			X	3C	3
Elective			X		3
	Total Credits				**14**

Semester 2		**Critical**	**Recommended**	**AUCC**	**Credits**
CHEM 111	General Chemistry I (GT-SC2)	X		3A	4
CHEM 112	General Chemistry Lab I (GT-SC1)	X		3A	1
GEOL 154	Earth and Climate Change Through Time	X			4
MATH 160	Calculus for Physical Scientists I (GT-MA1)	X		1B	4
1C (https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#aucc)		X		1C	3
CO 150 and MATH 160 must be completed by the end of Semester 2.					
	Total Credits				**16**

Sophomore

Semester 3		**Critical**	**Recommended**	**AUCC**	**Credits**
CHEM 113	General Chemistry II	X			3
CHEM 114	General Chemistry Lab II	X			1
GEOL 310	Earth Materials	X			4
GEOL 311	Earth's Interior	X			3
Historical Perspectives (https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives)			X	3D	3
	Total Credits				**14**

Semester 4		**Critical**	**Recommended**	**AUCC**	**Credits**
GEOL 312	Earth's Surface	X			2
GEOL 313	Earth Systems	X			2
GEOL 314	Earth's Surface Laboratory	X			1
MATH 161	Calculus for Physical Scientists II (GT-MA1)	X		1B	4
Select one course from the following:			X		3
CO 300	Writing Arguments (GT-CO3)			2	
CO 301B	Writing in the Disciplines: Sciences (GT-CO3)			2	
JTC 300	Strategic Writing and Communication (GT-CO3)			2	
Select one course from the following			X		5
PH 121	General Physics I (GT-SC1)			3A	
PH 141	Physics for Scientists and Engineers I (GT-SC1)			3A	
	Total Credits				**17**

Junior

Semester 5		**Critical**	**Recommended**	**AUCC**	**Credits**
GEOL 344	Stratigraphy and Sedimentology	X		4A	4
NR 319	Introduction to Geospatial Science		X		4
Select one course from the following:		X			3-4
MATH 340	Intro to Ordinary Differential Equations				

STAT 301	Introduction to Applied Statistical Methods				
STAT 315	Intro to Theory and Practice of Statistics				
Elective					2-3
	Total Credits				**14**
Semester 6		**Critical**	**Recommended**	**AUCC**	**Credits**
GEOL 364	Igneous and Metamorphic Petrology	X			3
GEOL 372	Structural Geology	X		4B	4
GEOL 376	Geologic Field Methods	X		4A,4C	3
Arts and Humanities (https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-and-humanities)			X	3B	3
CHEM 113 must be completed by the end of Semester 6.		X			
	Total Credits				**13**
Semester 7		**Critical**	**Recommended**	**AUCC**	**Credits**
GEOL 436	Geology Summer Field Course	X		4C	6
	Total Credits				**6**
Senior					
Semester 8		**Critical**	**Recommended**	**AUCC**	**Credits**
Technical Electives (See list on Concentration Requirements tab)		X			9
Arts and Humanities (https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)			X	3B	3
Elective					2
STAT 301 or STAT 315 or MATH 340 must be completed by the end of Semester 8.		X			
	Total Credits				**14**
Semester 9		**Critical**	**Recommended**	**AUCC**	**Credits**
Technical Electives (See list on Concentration Requirements tab)		X			6
Electives		X			6
The benchmark courses for the 9th semester are the remaining courses in the entire program of study.		X			
	Total Credits				**12**
	Program Total Credits:				**120**