

## Curriculum Road Map for BS and BA Geology Degrees

Program Learning Outcomes		Introductory	Reinforcement	Capstone	University Learning Goals §	Assessment Schedule								
						2013	2014	2015	2016	2017	2018			
1	Develop the skill to read and accurately interpret topographic maps	1, 7, 28	125*	129*	1				X					
2	Effectively communicate scientific ideas and results in writing	1, 7, 28	120, 124*	129	3	X					X			
3	Use the fundamentals of chemistry, physics, and math to solve geologic problems	1, 7	120*, 122*, 124, 125	129	1, 3, 4		X							
4	Classify and identify geological materials, such as, minerals, rocks, and fossils, and understand their relationships to each other and interacting earth systems	1, 7, 28	120*, 122*, 124*, 125	129*	1, 3, 4		X							
5	Visualize and comprehend geologic structures and processes	1, 7, 28	122*, 124*, 125*	129	1, 3					X				
6	Understand how geologists measure deep time and reconstruct earth history events	1, 7, 28	124	129*	1, 2, 3, 4			X						
	*Course used for assessment													
	§ University Learning Goal #5 is addressed through GE offerings. Within the B.S. Geology degree, Geology 1 and Geology 7 have assignments that address University Learning Goal #5													