

Geology undergraduate curriculum -- a work in progress (4/03)													
Student Learner Outcome	100	103	502	503	520	530	560	581	630	680	610	640	6xx
	intro	intro. lab	mineral-ogy	petrology	geo-morph.	structural	field methods	paleo.	sed./strat.	field geol.	sed. geochem	intro .geophys	cap.histo- rical
geologic time scale	X				X		X	X		X			X
understanding historical aspect of geologic processes	X				X	X		X	X	X			X
reading a geologic map						X	X			X			X
field skills					X	X	X			X			
understanding mineral assemblages			X	X							X		
understand earth's interior and how we know about it	X			X								X	X
evolution and the fossil record	X	X						X	X				X
mineral and rock identification	X	X	X	X					X				
understanding plate tectonics/tectonic environments	X					X			X			X	X
understanding earth's context in the solar system	X										X		X?
hydrologic and rock cycles/earth cycles	X	X		X	X				X		X		X
knowledge of some geol./geophys./geochem. instrumentation			X		X		X			X	X	X	
use of petrographic microscope				X									
use of computer and basic software			X	X					X			X	
understanding sedimentary systems/environments	X	X			X			X	X				
ability to extend knowledge to subsurface (3D)	X				X	X	X		X	X		X	
graphical representation of geo-data	X		X	X		X	X	X		X		X	
chemical reactions and basic phase diagrams	X		X	X							X		
natural hazards	X		X	X							X		
seismic waves	X											X	
dating earth materials	X										X	X	
contouring data		X	X	X	X	X	X			X		X	
thermal ?	X			X		X						X	