

Geology Pathway, AS

Program Learning Outcomes (PLOs)		Measurable Student Learning Outcomes (MSLOs)- PLO Alignment										
		ENG101	ENG102	GLG101	GLG102	MAT221	MAT231	MAT241	CHM151	CHM152	PHY121	PHY122
1. Identify and interpret different rock and mineral groups, and associate the rocks with specific rock-forming processes.				✓	✓				✓			
2. Explain the role of plate tectonics in geology.	✓			✓	✓							
3. Relate geologic time to Earth processes.					✓							
4. Critically evaluate fundamental earth science literature and spatial data.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
5. Observe, interpret, and communicate data as it relates to Earth processes.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6. Use evidence to outline the broad history of the planet and explain how the past can be used to anticipate future changes.				✓	✓	✓	✓	✓	✓	✓	✓	
7. Determine causes and impacts of natural hazards.				✓							✓	✓
8. Interpret the origin, distribution, and uses of geological resources.				✓								
9. Synthesize field information and spatial relationships to create geologic maps and cross-sections.				✓	✓		✓	✓				
10. Apply relevant knowledge, skills, and habits of mind to seek career opportunities in the field.				✓	✓				✓	✓		