

Curriculum Matrix for BS in Environment Science

Student Learning Outcome\Course	GEOS CORE COURSES ACROSS ALL								
	102	165	170	250	265	300	365	440	575
SLO1a. Using the scientific method to formulate or test hypotheses	I	I	I		P	P	P	M	M
SLO1b. Demonstrate computer skills for gathering, organizing and/or analyzing data		I		P	P		P	M	M
SLO1c. Apply quantitative skills toward understanding a model	I	I		P	P		P	M	M
SLO2a. Describe physical processes involved in the transfer of matter and energy at multiple scales	I	I	P		P	P	M	M	
SLO2b. Demonstrate an understanding of ecological processes and patterns		I			I	P	M	M	
SLO2c. Demonstrate advanced knowledge of physical or ecological processes in a specialized focus			I		I	P	M	M	
SLO3a. Recognize human alterations of Earth's natural processes and their consequences	I		I		P	P	M		M
SLO3b. Understand the scientific basis of natural and anthropogenic climate change			I		I	P	M		M
SLO4a. Describe the effects of management practices and human activities on natural resources and ecosystem processes			I		P	P	M		
SLO4b. Demonstrate knowledge of regulations related to resource management					I		P		M
SLO4c. Explain the scientific basis of sustainable development					I	P			M
SLO5a. Access and reference previous published scientific information		I			P	P	M		M
SLO5b. Apply computer skills in communication (e.g., presentation, graphs, etc.)		I		P	P			M	M
SLO5c. Communicate technical information clearly orally and in writing		I			P	P	M	M	M

Key: I=Introduce; P=Practice; M=Master