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CSMT_2020_SESS_Earth_Science_Environmental_Science_BS_Curriculum_M

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Curriculum Map

Course to Program/Discipline Level Student Learning Outcomes

B.S. Earth Science with Environmental Science option and Geosciences option

Program/Discipline

The B.S. Earth Science with Environmental Science curriculum prepares students to achieve the expected student learning outcomes identified by the program. The following table demonstrates how learning activities in specific courses map to these learning outcomes.

Key: I-Introduced

R-Reinforced

M-Mastery

A-Assessment evidence collected

Required Courses	SLO1	SLO2	SLO3	SLO4	SLO5
	Demonstrate Technical Knowledge	Articulate Critical Thinking	Validate and Synthesize Information	Communicate the Scientific Information	Implement the Knowledge to Current Issues
ENV 1000: Introduction to Environmental Science	I,A	I,A	I,A	I,A	I,A
ENV 1101: Intro to Earth and Geo System	I	I	I	I	I
ES 1200: Intro to Geology	I	I	I	I	I
ES 1300: Intro to Meteorology	I,A	I,A	I,A	I,A	I,A

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SUST 1000: Intro to Sustainability	I, A	I, A	I, A	I, A	I, A
ES 2101: GeoHydro Systems	R	R	R	R	R
ENV 2100: Ecosystem Science	R	R	R	R	R
ES 2400: Intro to Oceanography	R	R	R	R	R
ENV 3100: Principle of Env Soil Sciences	R	R	R	R	R
ENV 3051: Field Biology	R	R	R	R	R
ES 3010: Data Analysis and Modeling	R	R	R	R	R
ES 3200: GIS in Geoscience	R	R	R	R	R
ES 4200: Remote Sensing	M, R	M, R	M, R	M, R	M, R
SUST 4300: Independent Practicum in Sustainability Science	M,A	M,A	M,A	M,A	M,A