

Environmental Science Curriculum Map

	Outcome #	Outcome #	Outcome #	Outcome #	Outcome #
Course:	1	2	3	4	5
ENSC 103	x				
GEOL 106	x			x	x
GEOL 106L		x			x
ENSC 220	x				
ENSC 220L		x			x
ENSC 230	x				
ENSC 343	x				x
ENSC 343L		x	x		x
ENSC 345		x	x		
GEOL 328	x			x	x
GEOL 328L					x
ENSC 417	x				x
ENSC 417L		x	x		x
ENSC 495	x			x	x

Student Learning Goals and Outcomes

Goal I. Students will develop an in-depth understanding of fundamental environmental principles, primarily from a multi-disciplinary, scientific perspective.

Outcome 1. Students will be able to demonstrate extensive knowledge about environmental concepts, principles, and applications

Goal II. Students will develop the ability to use scientific methods, rigorous research design, field and lab methodologies, quantitative problem-solving skills, statistical analysis and team research to help identify and address environmental problems.

Outcome 2. Students will be able to effectively utilize and apply current technologies for environmental measurement, data collection and problem solving.

Outcome 3. Students will be able to adeptly design and conduct original research that incorporates advanced quantitative and qualitative analysis.

Goal III. Students will develop high-level skills at obtaining and critically evaluating authoritative information on environmental issues.

Outcome 4. Students will be able to critically evaluate published research

Goal IV. Students will develop facility at communicating effectively in a variety of formats (oral presentations, technical writing, popular writing).

Outcome 5. Students will be able to prepare high-quality, scientific research reports, oral presentations, and media pieces for lay audiences