

Environmental Science MS

I. What do we expect students to learn?				
A. Program Learning Outcomes: List your PLOs (the cognitive/knowledge, behavioral/skills, and/or affective/values you expect your students to achieve). These must be stated in measurable terms. Generally, there should be 5 to 10 PLOs.		B. Standards For Your Program's Success: State percentage of students you expect will achieve each PLO at each competency level by the end of your program.		
Program Learning Outcomes		Competency Levels		
		Basic	Intermediate	Advanced
1.	<u>Environmental Literacy.</u> Students will demonstrate their knowledge of, and the ability to analyze, diverse environmental problems representing the local, state, national and international spatial scales.			100% - indicated by a grade of "B" or above in all coursework
2.	<u>Environmental Multidisciplinarity.</u> Students will demonstrate their understanding of the complexity of environmental processes and problems, and an understanding of why environmental science is a multidisciplinary endeavor that draws from the natural and social sciences.			100% - the coursework for the degree makes sure of this
3.	<u>Written and Oral Communication.</u> Students will demonstrate their ability to describe research and to summarize research results in essays, written reports and oral presentations.			100% - indicated by successful completion and defense of thesis and a grade of "B" or above in all coursework
4.	<u>Scientific Research.</u> Students will perform in-depth scientific research, incorporating literature reviews; hypothesis formulation and testing; data collection and analysis, and critical reasoning.			100% - indicated by successful completion and defense of thesis
5.	<u>Thesis Writing.</u> Students will demonstrate the ability to author an original, in-depth, scientific research monograph (the thesis).			100% - indicated by successful completion and defense of thesis
6.	<u>Professional Preparation.</u> Students will work on research projects and hone research skills toward their mastery of environmental science, particularly in the urban setting. The thesis research project prepares students for doctoral programs and/or the environmental workforce, and can be used as examples of the knowledge and expertise that they could bring to prospective employers.			100% - a grade of "B" or above in all coursework, completion of a master's thesis, and completion of the

I. What do we expect students to learn?			
A. Program Learning Outcomes: List your PLOs (the cognitive/knowledge, behavioral/skills, and/or affective/values you expect your students to achieve). These must be stated in measurable terms. Generally, there should be 5 to 10 PLOs.		B. Standards For Your Program's Success: State percentage of students you expect will achieve each PLO at each competency level by the end of your program.	
Program Learning Outcomes		Competency Levels	
		Basic	Intermediate
			required internship hours