Pr	rogram Assessment Plan for Environmental Science
Program Mission	The Environmental Science major is an interdisciplinary program of the Biology and Chemistry Departments at The University of Scranton. The Environmental Science major has the following objectives:1.To prepare students for positions (in the public or private sector) in the broad field of environmental analysis, compliance, and technology; 2.To prepare students for advanced study in environmental science; 3.To provide a sufficiently comprehensive science and liberal arts background to allow students to pursue advanced training or work in other fields that deal with environmental issues, e.g., environmental law, environmental health, and environmental regulation in business and industry. The Environmental Science program provides a rigorous and comprehensive grounding in the biological, chemical, and physical aspects of the natural environment, and in the analytical and instrumental techniques used to investigate environmental problems. Upper-class students may choose to focus more closely on either the chemical or biological aspects of environmental science. The program also is designed to expose students to the social, political, regulatory, economic, and ethical concerns that are commensurate with defining and addressing environmental issues in today's world.
Curriculum	The curriculum provides more than one opportunity for students to meet the Program Learning Objectives
KeyCourses And Assignments	Required major courses and acceptable major electives

### Environmental Science

Program Learnin	rogram Learning Outcomes to be Assessed		
PLO	1).Environmental Science majors will have a sound knowledge ILOs to which the PLOs map 1,2,3 of both chemistry and biology, and the biological and chemical		
Year:	Year 2 AY 2015-16		
Is the evidence Di	Is the evidence Direct or Indirect Direct		
Where in the pro	Where in the program does the evidence reside?BIOL 141/142 CHEM 112/113 NSCI 201		
What tools are n	What tools are necessary to collect evidence? (Rubics, Portfolio, Embedded Exam Questions etc.) Grade records		
Benchmarks	C or better		
ListOfSource	es Course grades		

## Program Learning Outcomes to be Assessed

PLO	2).Environmental Science majors will know how to apply critical ILOs to which the PLOs map 1,2,4 thinking to the analysis and devising of possible solutions to
Year:	Year 2 AY 2015-16
Is the evidence D	irect or Indirect Direct
Where in the pro	gram does the evidence reside? BIOL 379 Biostatistics Major elective choices in ESCI
What tools are n	ecessary to collect evidence? (Rubics, Portfolio, Embedded Exam Questions etc.) Course Grades
Benchmarks	C or better
ListOfSource	25

ogram Learnin	g Outcomes to be Assessed
PLO	3).Environmental Science majors will have an appreciation of ILOs to which the PLOs map 1,2,4 the social and economic implications of environmental science.
Year:	Year 3 AY 2016-17
Is the evidence D	rect or Indirect Direct
Where in the pro	gram does the evidence reside? NSCI 201 GE Elective recommendations for ESCI majors
What tools are n	ecessary to collect evidence? (Rubics, Portfolio, Embedded Exam Questions etc.) Course grades
Benchmarks	C or better
ListOfSource	25

# Program Learning Outcomes to be Assessed

PLO	4).Environmental Science majors have a sounds knowledge of sustainability and how science can contribute to sustainable ILOs to which the PLOs map 1,2,3,4
Year:	
Is the evidence Dir	ect or Indirect Direct
Where in the program does the evidence reside? Answers to relevant questions on course exams	
What tools are ne	cessary to collect evidence? (Rubics, Portfolio,Embedded Exam Questions etc.)
Benchmarks	70% or better on answer grades
ListOfSources	Sustainability related questions infused across all required and elective major courses

**Environmental Science** 

### Environmental Science

Program Learni	ng Outcomes to be Assessed
PLO	5).Environmental Science majors will be proficient in the ILOs to which the PLOs map 1,3 recording, analysis, and dissemination of data utilizing modern
Year:	Year 1 Spring 2015
Is the evidence	Direct or Indirect Direct
Where in the pr	ogram does the evidence reside? Organic chemistry laboratory CHEM 233L
What tools are	necessary to collect evidence? (Rubics, Portfolio, Embedded Exam Questions etc.) Final Exam
Benchmar	ks Successful completion of organic chemistry laboratory CHEM 233L
ListOfSour	Performance in organic chemistry laboratory CHEM 233L

## Program Learning Outcomes to be Assessed

PLO	6).Environmental Science majors will be well prepared to ILOs to which the PLOs map 3,4 succeed in employment in the public and private sector, to		
Year:	Year 1 Spring 2015		
Is the evidence	Is the evidence Direct or Indirect Direct		
Where in the p	rogram does the evidence reside? University of Scranton Environmental Science Alumni Profiles: http://www.scranton.edu/faculty/cannm/misc/alumni-profiles.shtml		
What tools are	e necessary to collect evidence? (Rubics, Portfolio, Embedded Exam Questions etc.) Evidenence collected through online survey		
Benchma	Benchmarks Success in the professional lives of environmental science graduates as evidenced by employme		
ListOfSou	rces University of Scranton Environmental Science Alumni Profiles http://www.scranton.edu/faculty/cannm/misc/alumni-profiles.shtml		