

COLLEGE OF ARTS & SCIENCES

ENVIRONMENTAL SCIENCE



Environmental science is an interdisciplinary program that provides a rigorous and comprehensive grounding in the biological, chemical and physical aspects of the natural environment.

With a degree in environmental science from The University of Scranton, you can play a role in creating a world that is sustainable.

OUTCOMES & OPPORTUNITIES

- Approximately 75-80% of our environmental science majors elect to complete an internship, applying their classroom knowledge in the real world. Other students work with faculty to do original research related to the environment.
- Our graduates have completed internships at organizations such as Pennsylvania Department of Environmental Protection, Sea World of Florida and Quaker Chemical Company of Conshohocken, PA.
- Scranton graduates are recognized for their strong knowledge of the biology and chemistry of the environment. They have gone on to a wide variety of meaningful and rewarding careers in industry, government and non-profits across the United States and abroad.
- A Scranton degree not only allows you to immediately begin a career, but also to pursue advanced degrees in such areas as environmental science, biology, chemistry and law.

CONTACT INFORMATION

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ENVIRONMENTAL SCIENCE CURRICULUM

Department & Number - Descriptive Title of Course		Fall Cr.	Spr. Cr.
FIRST YEAR			
MAJOR (GE NSCI)	CHEM 112-113 - (E) General & Analytical Chemistry/CHEM 112L-113L	4.5	4.5
MAJOR	BIOL 141/141L - (E) (FYOC, FYDT Lab only) General Biology – BIOL 142/142L - (E) (FYOC, FYDT Lab only) General Biology	4.5	4.5
MAJOR	NSCI 201 - (E) Science & the Human Environment		3
GE WRTG	WRTG 107 - (FYW) Composition	3	
GE FSEM	First Year Seminar ⁴		
		12	12
SECOND YEAR			
MAJOR	CHEM 232 - (E) Organic Chemistry/CHEM 232L – CHEM 233 - (E) Organic Chemistry/CHEM 233L	4.5	4.5
MAJOR	BIOL 371 - (W: Lab only) - Ecology (MO)	5	
MAJOR	BIOL 379 - Biostatistics		3
COGNATE (GE QUAN)	MATH 103 - (Q) Pre-Calculus Mathematics – MATH 114 - (Q) Calculus I ¹	4	4
GE HUMN	HUMN ELECT - Humanities Elective		3
GE PHIL-T/RS	PHIL 120 - Introduction to Philosophy – T/RS 121 - (P) Theology I: Introduction to the Bible	3	3
		16.5	17.5
THIRD YEAR			
MAJOR	CHEM 340 - Environmental Chemistry	3	
MAJOR	CHEM 370 - Instrumental Analysis/CHEM 370L		5
MAJOR	ESCI ELECT - Environmental Science Elective		3-5
GE S/BH	S/BH ELECT - Social/Behavioral Electives ²	3	3
GE PHIL-T/RS	PHIL 210 - Ethics – T/RS 122 - (P) Theology II: Introduction to Christian Theology	3	3
GE HUMN	HUMN ELECT - Humanities Elective	3	
GE ELECT	PHYS 120/PHYS 120L - (E) General Physics I – PHYS 121/PHYS 121L - (E) General Physics II ³	4	4
		16	18-20

Department & Number - Descriptive Title of Course		Fall Cr.	Spr. Cr.
FOURTH YEAR			
MAJOR	ESCI ELECT - Environmental Science Electives	6-10	3
MAJOR	ESCI 480 - Internship in Environmental Science or ESCI 493 - Research in Environmental Science	1.5	
MAJOR	ESCI 481 - Internship in Environmental Science or ESCI 494 - Research in Environmental Science		1.5
MAJOR	ESCI 440 - Topics in Environmental Science – ESCI 441 - Topics in Environmental Science	1	1
GE PHIL-T/RS	PHILELECT - Philosophy Elective or T/RS ELECT - T/RS Elective	3	
GE HUMN	HUMN ELECT - Humanities Electives	3	3
GE S/BH	S/BH ELECT - Social/Behavioral Elective		3
GE ELECT	FREE ELECT - Free Electives		6
		14.5-18.5	17.5

Total: 124-130 Credits



¹ Students entering exempt from MATH 103 may select a course in chemistry, biology, physics or math.

² PS 230 and ECO 303 strongly recommended.

³ Or PHYS 140/PHYS 140L – PHYS 141/PHYS 141L: Elements of Physics I-II.

⁴ The selection of a First Year Seminar is likely to fulfill requirements both for the First Year Seminar and a General Education Requirement. Thus, the First Year Seminar will not add to the total credits for the semester. Talk with your advisor if you have any questions.