

THE UNIVERSITY OF SCRANTON
COLLEGE OF ARTS & SCIENCES
ENVIRONMENTAL SCIENCE

About the Program

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.



admissions.scranton.edu/envsci

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.

Ranked #8 nationally
for “Best Science Labs”
by The Princeton Review



SUCCESS AHEAD

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			

CONTACT INFORMATION

Nicholas Sizemore, Ph.D., Co-Director, Environmental Science

Tel: 570.941.5971 • Email: nicholas.sizemore@scranton.edu

Robert Smith, Ph.D., Co-Director, Environmental Science

Tel: 570.941.6581 • Email: robert.smith@scranton.edu

1.888.SCRANTON or visit admissions.scranton.edu

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.

Curriculum grid effective for the 2022-23 academic year in accordance with the undergraduate course catalog.