

Interdisciplinary Studies - Environmental Science Concentration (B.S.)

The Howard University Interdisciplinary Environmental Sciences Major Concentration prepares students for leadership positions in environmental research, education, and scholarships that emphasizes the need to fully incorporate environmental justice into the scientific study and implementation of environmental solutions. This program focuses on environmental sciences solutions to challenges currently plaguing our nation and the global community. This Major pays particular attention to issues disproportionately affecting people of color. Issues such as climate change and toxic exposures require scientific leadership and solutions that include the full diversity of all peoples. Howard University is uniquely positioned to train and educate student-scientists to meet this challenge. This Major Concentration consists of four components, including; foundation courses in environmental sciences, scientific research methods course(s) to provide strong training in empirical research and statistical and data analysis, advanced courses exposing students to the breadth of the field while allowing focus within the major, and a Capstone Experience in the form of an internship or research experience

Freshmen Year First Semester

Item #	Title	Credits
	ENGW 101/102/104	3
FRSM 001	Freshman Seminar	1
BIOL 101	General Biology Lec/Lab	4
BIOL 801	Environmental Studies I	3
	Social Science Elective	3
	Sub-Total Credits	14

Freshman Year Second Semester

Item #	Title	Credits
BIOL 102	General Biology Lec/ Lab	4
CHEM 003	Gen Chemistry I	4
SOCI 199	Environmental Inequality	3
	ENGW 103/105	3
	General Elective (Options: To be determined in consultation with advisor) (3)	3
	Sub-Total Credits	17

Sophomore Year First Semester

Item #	Title	Credits
MATH 007	Precalculus	4
IDSD 180	Global Climate Change	4
	Humanities Elective	3
	World Language and Culture Requirement	3
	Health Education Requirement (Options: Courses under subject code HHPL)	1
	Sub-Total Credits	15

Sophomore Year Second Semester

Item #	Title	Credits
BIOL 204	Science & Public Policy	3
	World Language and Culture Requirement	3
	Quantitative Reasoning Requirement	4
AFST 121	Environ & Society in Africa	3
	General Elective (Options: To be determined in consultation with advisor)	3
Sub-Total Credits		16

Junior Year First Semester

Item #	Title	Credits
IDSD 190/191/192	Independent Studies A, B, C	3
	Environmental Science Elective	3
	World Language and Culture Requirement	3
	Environmental Studies Elective	3
	General Elective (Options: To be determined in consultation with advisor)	3
Sub-Total Credits		15

Junior Year Second Semester

Item #	Title	Credits
	Environmental Science Elective	3
	Social Science Elective	3
	Humanities Elective	3
	African Diasporic Cluster	3
SLMC 101	Principles of Speech	3
Sub-Total Credits		15

Senior Year, First Semester

Item #	Title	Credits
	Environmental Studies Elective	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Physical Education (Active)	1
	3rd Writing	3
	Social Science Elective	3
Sub-Total Credits		13

Senior Year, Second Semester

Item #	Title	Credits
	General Elective (Options: To be determined in consultation with 3 advisor)	
	General Elective (Options: To be determined in consultation with 3 advisor)	
	Humanities Elective	3
	Social Science Elective	3
	General Elective (Options: To be determined in consultation with 3 advisor) (3)	
	Sub-Total Credits	15
	Total credits:	120

Category Descriptions

ENGW 101/102/104

Choose between ENGW 101, ENGW 102, OR ENGW 104

Social Science Elective

ENGW 103/105

General Elective (Options: To be determined in consultation with advisor) (3)

Humanities Elective

World Language and Culture Requirement

Health Education Requirement (Options: Courses under subject code HHPL)

Quantitative Reasoning Requirement

Quantitative Reasoning

Statistics Elective

4

General Elective (Options: To be determined in consultation with advisor)

Environmental Science Elective

Environmental Studies Elective

Social Science Elective

African Diasporic Cluster

African Studies Elective (Options: Courses under subject code 3
AFST)

Physical Education (Active)

3rd Writing

1 Class in **ENGL** 009 or 010 or 129 or 700 level course