

Environmental & Sustainability Studies (BSA Concentration)

Abigail Owen, BSA ESS Concentration Advisor

BSA Environmental & Sustainability Studies Concentration
(123 units minimum)

Additional Required Courses (2 courses, 18 units minimum)

		Units
09-217	Organic Chemistry I	9
33-122	Physics II for Biological Sciences and Chemistry Students	9
or 33-142	Physics II for Engineering and Physics Students	

Core Courses (3 courses, 33 units)

24/09-381	Environmental Systems on a Changing Planet - Spring	12
66-236	Introduction to Environmental Ideas	9
66-237	Interdisciplinary Dialogues for Environmental & Sustainability Studies -Spring	3
66-507	Capstone for Environmental and Sustainability Studies -Fall	9

Earth and Environmental Science (1 course, 9 units)

Choose one course from the list below.

03-128	Biology for Life Special Topics (Section S, Tropical Ecology)	9
03-140	Ecology and Environmental Science	9
09-225	Climate Change: Chemistry, Physics and Planetary Science	9
09-510	Chemistry and Sustainability *	9
09-524	Environmental Chemistry *	9
09-529	Introduction to Sustainable Energy Science *	9
09-538	Exposure and Risk Assessment for Environmental Pollutants	9
33-226	Physics of Energy *	9

* Prerequisites from the BSA general education curriculum

Statistics and Data Science (1 course, 9 units)

36-xxx	Any Statistics Course	9
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Political Economy (1 course, 9 units minimum)

Choose one course from the list below.

19-101	Introduction to Engineering and Public Policy	12
84-110	The Economics of Politics and Technology	9
84-226	International Relations	9
84-325	Contemporary American Foreign Policy	9
88-344	Systems Analysis: Environmental Policy	9

Electives (5 courses, 45 units minimum)

Choose three MCS Electives and two DC Electives in consultation with the concentration advisor.

MCS Electives:

03-140	Ecology and Environmental Science	9
09-225	Climate Change: Chemistry, Physics and Planetary Science	9
09-510	Chemistry and Sustainability	9
09-524	Environmental Chemistry *	9
09-529	Introduction to Sustainable Energy Science	9
12-100	Exploring CEE: Infrastructure and Environment in a Changing World	12
12-201	Geology	9
19-101	Introduction to Engineering and Public Policy	12
27-505	Exploration of Everyday Materials	9
33-226	Physics of Energy	9

DC Electives:

76-241	Introduction to Gender Studies	9
76-354	Watchdog Journalism	9
76-395	Science Writing *	9
76-450	Law, Culture, and the Humanities	9
79-201	Introduction to Anthropology	9
79-275	Introduction to Global Studies	9
79-278	How (Not) to Change the World	9
79-283	Anthropology of Energy	9
79-288	Bananas, Baseball, and Borders: Latin America and the United States	9
79-297	Technology and Work	9
79-331	Body Politics: Women and Health in America	9
79-377	Food, Culture, and Power: A History of Eating	9
79-379	Experimental Ethnography	9
79-383	The History of Capitalism	9
80-135	Introduction to Political Philosophy	9
80-244	Environmental Ethics	9
84-110	The Economics of Politics and Technology	9
84-275	Comparative Politics	9
84-325	Contemporary American Foreign Policy	9

* Additional prerequisites