Bachelor of Science and Arts (BSA)

Mellon College of Science (MCS) Concentration in Environmental & Sustainability Studies 123 units (minimum)

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	al Required Courses	18 units minimum	Electives	45 units minimu	
09-217	Organic Chemistry I 9		Choose three MCS Electives and two DC Electives in consultation with		
33-122 or 33-142			the concentration advisor.		
			MCS Electi		
Core Cou		30 units	03-140	Ecology and Environmental Science	9
24/09-381	Environmental Systems on a Cha-		09-225	Climate Change: Chemistry, Physics, Planetary Science	9
66-236	Introduction to Environmental Id	leas 9	09-510	Chemistry and Sustainability	9
66-506	Senior Capstone	9	09-524	Environmental Chemistry *	9
	(Interdisciplinary Research: Caps	tone in ESS)	09-529	Introduction to Sustainable Energy Science	9
			12-100		12
Earth and	l Environmental Science	9 units		Infrastructure and Environment in a Changing World	
Choose one course from the list below.			12-201	Geology	9
00.100	Dielem for Life Creeiel Terries.		19-101	Introduction to Engineering and Public Policy	12
03-128	Biology for Life Special Topics:	9	19-425	Sustainable Energy for the Developing World	9
	Section S, Tropical Ecology		24-292	Renewable Energy Engineering	9
03-140	Ecology and Environmental Scien		27-505	Exploration of Everyday Materials	9
09-225	Climate Change:	9	33-226	Physics of Energy	9
	Chemistry, Physics, Planetary Sci		DC Elective		
09-510	Chemistry and Sustainability *	9			_
09-524	Environmental Chemistry *	9	76-241	Introduction to Gender Studies	9
09-529	Introduction to Sustainable Energ		76-291	Getting Heard/Making a Difference	9
09-538	Exposure and Risk Assessment fo	r Environmental 9	76-354	Watchdog Journalism	9
	Pollutants:		76-395	Science Writing *	9
	Environmental Exposure and Ris	k Assessment *	76-450	Law, Culture, and the Humanities	9
33-226	Physics of Energy *	9	79-201	Introduction to Anthropology	9
* Prerequisites	from the BSA general education curriculum		79-275	Introduction to Global Studies	9
			79-278	How (Not) to Change the World	9
Global Co		3 units	79-288	Bananas, Baseball, and Borders:	9
99-xxx	Each semester, a new course is of			Latin America and the United States	
	themes, in partnership with Unive	ersity of Pittsburgh's	79-297	Technology and Work	9
	Global Studies Center.		79-331	Body Politics: Women and Health in America	9
			79-372	The Rise and Fall of Pittsburgh Steel	6
Statistics	and Data Science	9 units	79-377	Food, Culture, and Power: A History of Eating	9
36-xxx	Any Statistics Course	9	79-379	Extreme Ethnography	9
			79-383	The History of Capitalism	9
Political Economy 9 units minimum		80-135	Introduction to Political Philosophy	9	
Choose one	e course from the list below.		80-244	Environmental Ethics	9
19-101	Introduction to Engineering and	Public Policy 12	84-110	Foundations of Political Economy	9
-	History of American Public Policy		84-275	Comparative Politics	9
79-300	Foundations of Political Economy		84-325	Contemporary American Foreign Policy	9
84-110 84-226	International Relations		85-241	Social Psychology	9
	Contemporary American Foreign	Policy o	* Additional p	rarequisites	
84-325			Additional p	rerequiones	
88-344	Systems Analysis: Environmental	Policy 9			