

Environment & Sustainability Minor

Application Form



Name _____ Date _____

Kerberos _____ MIT ID _____

Expected graduation year _____ and month: February June September

Major(s) and track(s) _____

Major faculty advisor(s) _____

HASS concentration _____

Other minor and minor faculty advisor _____

Favorite extracurricular activity or MIT community _____

[Optional] Research interests (for UROPs) _____

T-shirt size: S M L XL Other _____

Subject Proposal

Take both Core subjects and at least 3 electives (pick from over 70 subjects – mix and match across four topic areas, or focus on just one)

	Units	Status P, C, or R (proposed, completed, registered)	Environmental Histories and Cultures	Engineering for Sustainability	Environmental Governance	Earth Systems and Climate Science
Core subject (Fall) 12.387, 15.874, IDS.063 [J] People and the Planet: Environmental Governance and Science	9				x	x
Core subject (Spring) 11.004, STS.033 [J] People and the Planet: Environmental Histories and Engineering	12		x	x		
Elective						
Elective						
Elective						
Elective						
Total credit units	≥57					

Minor Advisor Name _____

Minor Advisor Signature _____

Date _____

Questions? Email esi@mit.edu

Elective Subjects for Environment & Sustainability Minor

Pick from over 70 classes – mix and match across four topic areas, or focus on just one:

Subject number	Subject title	Units and (GIRs fulfilled)	Environmental Histories and Cultures	Engineering for Sustainability	Environmental Governance	Earth Systems and Climate Science
EC.701[J]	D-Lab: Development	12 (HASS-S)	x	x	x	
EC.711[J]	D-Lab: Energy	12		x	x	
EC.714	D-Lab: Earth	6		x	x	x
EC.715	D-Lab: Water, Sanitation, Hygiene and Environmental Innovations for the Common Good	9	x	x	x	
EC.716	D-Lab: Waste	9		x	x	
EC.733[J]	D-Lab: Supply Chains	12		x	x	
IDS.062[J]	Global Environmental Negotiations	6			x	
SP.360	Terrascope Radio	12 (HASS-A; CI-H)	x			
STS.009	Evolution and Society	12 (HASS-H; CI-H)	x			
STS.032	Energy, Environment, and Society	12 (HASS-H; CI-H)	x			
1.007	Big Engineering: Small Solutions with a Large Impact	6		x		
1.011	Project Evaluation and Management	12		x		
1.018A[J]	Fundamentals of Ecology I	12				x
& 1.018B[J]	and Fundamentals of Ecology II	12				x
1.078	Introduction to Soil Science	12				x
1.080A	Environmental Chemistry I	12				x
& 1.080B	and Environmental Chemistry II	12				x
1.089	Environmental Microbiology	12				x
or 1.089A	Environmental Microbiology I	6				x
1.801[J]	Environmental Law, Policy, and Economics: Pollution Prevention and Control	12 (HASS-S)			x	
1.802[J]	Regulation of Chemicals, Radiation, and Biotechnology	12			x	
2.00A	Fundamentals of Engineering Design: Explore Space, Sea and Earth	9		x		
2.00C	Design for Complex Environmental Issues: Building Solutions and Communicating Ideas	9	x	x		
2.627	Fundamentals of Photovoltaics	12		x		
2.981	New England Coastal Ecology	3				x
3.094	Materials in Human Experience	9 (HASS-S)	x	x		
3.982	The Ancient Andean World	9 (HASS-S)	x			x
3.983	Ancient Mesoamerican Civilization	9 (HASS-S)	x	x		
4.401	Environmental Technologies in Buildings	12		x		
4.411[J]	D-Lab Schools: Building Technology Laboratory	12 (Institute LAB)		x		
4.42[J]	Fundamentals of Energy in Buildings	12 (REST)		x		
4.432	Modeling Urban Energy Flows for Sustainable Cities and Neighborhoods	12		x		
4.622	Islamic Gardens and Geographies	12	x			
8.21	Physics of Energy	12 (REST)				x
10.04	A Philosophical History of Energy	12	x			
10.05	Foundational Analyses of Problems in Energy and the Environment	12	x			
11.016[J]	The Once and Future City	12 (HASS-H; CI-H)	x			
11.123	Big Plans and Mega-Urban Landscapes	9 (HASS-S)			x	
11.142	Geography of the Global Economy	12 (HASS-S)			x	
11.148	Environmental Justice: Law and Policy	12 (HASS-S)			x	
11.162	Politics of Energy and the Environment	12 (HASS-S)			x	

REST = Restricted Electives in Science and Technology
 Institute Lab = Institute Laboratory
 HASS-X = Humanities, Arts, and Social Sciences - Humanities/Arts/Social Sciences
 CI-H = Communication Intensive in the Humanities, Arts, and Social Sciences
 CI-HW = Communication Intensive in the Humanities, Arts, and Social Sciences—Writing Focused

Subject number	Subject title	Units and (GIRs fulfilled)	Environmental Histories and Cultures	Engineering for Sustainability	Environmental Governance	Earth Systems and Climate Science
12.000	Solving Complex Problems	9		x		x
12.001	Introduction to Geology	12 (REST)				x
12.002	Introduction to Geophysics and Planetary Science	12 (REST)				x
12.003	Introduction to Atmosphere, Ocean, and Climate Dynamics	12 (REST)				x
12.007	Geobiology: History of Life on Earth	12				x
12.021	Earth Science, Energy, and the Environment	12				x
12.102	Environmental Earth Science	12 (REST)				x
12.104	Geochemistry of the Earth and Planets	12				x
12.120	Environmental Earth Science Field Course	6				x
12.170	Essentials of Geology	12				x
12.174	Biogeochemistry of Natural and Perturbed Systems	12				x
12.213	Alternate Energy Sources	6		x		
12.307	Weather and Climate Laboratory	15 (Institute LAB)				x
12.335	Experimental Atmospheric Chemistry	12 (Institute LAB)				x
12.349	Mechanisms and Models of the Global Carbon Cycle	12				x
12.385	Science, Politics, and Environmental Policy	9			x	x
17.051	Ethics of Energy Policy	12 (HASS-S)	x			
17.181	Sustainability: Political Economy, Science, and Policy	12 (HASS-S)			x	
17.309[J]	Science, Technology, and Public Policy	12 (HASS-S; CI-H)			x	
17.411	Globalization, Migration, and International Relations	12 (HASS-S)			x	
20.106[J]	Systems Microbiology	12				x
21A.155	Food, Culture, and Politics	12 (HASS-S)	x			
21A.303[J]	The Anthropology of Biology	12 (HASS-S)	x			
21A.410	Environmental Struggles	12 (HASS-S)			x	
21G.417	Cultural Geographies of Germany: Nature, Culture, and Politics	12 (HASS-H)	x			
21H.185[J]	Environment and History	12 (HASS-S; CI-H)	x			
21H.380[J]	People and Other Animals	12 (HASS-S)	x			
21H.383	Technology and the Global Economy, 1000-2000	12 (HASS-S)	x			
21L.449	The Wilds of Literature	12 (HASS-H)	x			
21W.012	Writing and Rhetoric: Food for Thought	12 (HASS-H; CI-HW)	x			
21W.036	Science Writing and New Media: Writing and the Environment	12 (HASS-H; CI-HW)	x			
21W.775	Writing about Nature and Environmental Issues	12 (HASS-H; CI-H)	x			
22.033	Nuclear Systems Design Project	15		x		
22.04[J]	Social Problems of Nuclear Energy	12 (HASS-S)		x		
22.081[J]	Introduction to Sustainable Energy	12		x		
24.03	Good Food: The Ethics and Politics of Food	12 (HASS-H; CI-H)	x			

Check the current course catalog for updated information on subject availability.

Additional subjects may be counted toward the Minor elective requirement in consultation with Minor advisors.

Contact esi@mit.edu with questions.

Updated 2017.10.16