

ENERGY AND ENVIRONMENT (E&E)

Energy and Environment Curriculum

SIPA's Energy and Environment Concentration provides students with robust industry knowledge

EE students have access to over 90 advanced EE electives. The EE curriculum provides students with:

- Advanced knowledge on global energy and environmental issues and how governments, businesses, and civil society can lead effective action
- A holistic understanding of how science, technology, policy, finance, and society shape energy, natural resources, and environmental risks and opportunities
- Quantitative and qualitative tools to analyze and model energy and environment-related issues
- Practical skills to become effective leaders in energy, natural resources, and environment, in both the public and private sector
- Multicultural interaction, teamwork, and collaboration within an international context
- Experience working with clients to formulate energy and environmental policy and management decisions through applied projects, internships, and workshops

Contact Us

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Karen Young, Adjunct Professor of International and Public Affairs

Adam Zurofsky, Adjunct Professor of International and Public Affairs

Visit our SIPA Faculty Directory to view bios

Students in the Energy and Environment concentration must complete one (1) fundamentals course, one (1) economics course, one (1) policy course, and two (2) energy or environment electives. Courses may not be double-counted, i.e., fulfilling a fundamentals requirement and an elective requirement with one course.

Concentration Requirements

1. Students must complete one (1) fundamentals course (3 points):

		Points
INAF U6071	Fundamentals of Environmental Policy	3.00
INAF U6072	Energy Systems Fundamentals	3.00
SUMA PS5155	Energy Markets and Innovation	3.00

2. Students must complete one (1) economics course (3 points):

		Points
INAF U6065	The Economics of Energy	3.00
INAF U6068	Environmental Economics	3.00

3. Students must complete one (1) policy course (3 points):

		Points
ENVP U6239	Politics # Policy of Urban Sustainability	3.00
ENVP U6241	Earth Systems and Environmental Policy, Politics, and Management	3.00
ENVP U6320	Political Context of Environmental Management	3.00

2 Energy and Environment (E&E)

IAIA U6360	Global Politics for People and Planet: A New Paradigm	3.00	INAF U6076	Energy Management for Public # Private Sector	3.00
INAF U6061	Global Energy Policy	3.00	INAF U6079	Clean Energy Financial Innovation	1.50
INAF U6074	Current Issues in Energy Policy	1.50	INAF U6086	Green Buildings: Policies and Strategies for Success	3.00
INAF U6084	Energy and National Security	3.00	INAF U6087	Environmental Advocacy: From Interest to Action	3.00
INAF U6087	Environmental Advocacy: From Interest to Action	3.00	INAF U6116	Infrastructure Cost-Benefit Analysis	3.00
INAF U6089	Environmental Justice and Climate Resiliency	3.00	INAF U6230	Corporate Sustainability: Issues, Strategies, and Practice	3.00
INAF U6242	Energy Policy	3.00	INAF U6238	Environmental Finance: Scaling Up Clean Energy	1.50
INAF U6243	International Environmental Policy	3.00	INAF U6242	Energy Policy	3.00
INAF U6263	Practicing Clean Energy Policy in the US	3.00	INAF U6243	International Environmental Policy	3.00
INAF U6268	Agricultural Environmental Policy	3.00	INAF U6259	Adaptation to Climate Change	3.00
INAF U6324	Gulf Economic Statecraft # the Energy Transition	1.50	INAF U6263	Practicing Clean Energy Policy in the US	3.00
INAF U6327	Carbon Pricing	3.00	INAF U6264	Meeting the Climate Challenge at all Levels of Government	3.00
INAF U6328	Financing the Energy Transition in Emerging Markets	1.50	INAF U6266	Multi-lateral Negotiations: Climate Change	1.50
INAF U6425	Energy Transition in Europe	1.50	INAF U6267	Climate-security: Examining the links between climate change, peace and security	1.50
INAF U6426	Energy Transition in Latin America	3.00	INAF U6268	Agricultural Environmental Policy	3.00
INAF U6431	Asian Energy Security	3.00	INAF U6269	Climate Tech and Regenerative Entrepreneurship	3.00
INAF U6695	Climate Finance, Policy, and the Just Transition	3.00	INAF U6271	Clean Energy and Environmental Campaigns	3.00
INAF U6702	ESG and Corporate Political Strategy	1.50	INAF U6324	Gulf Economic Statecraft # the Energy Transition	1.50
INAF U6709	Environment, Development, # Politics in Africa	3.00	INAF U6326	Renewable Energy Project Finance Modeling	3.00
INAF U8537	Climate Change Policy	3.00	INAF U6328	Financing the Energy Transition in Emerging Markets	1.50
LAW L6038	Climate Change Law	3.00	INAF U6327	Carbon Pricing	3.00
LAW L6040	International Environmental Law	2.00	INAF U6330	Energy Decarbonization	3.00
LAW L6242	Environmental Law	3.00	INAF U6343	Global Governance: Climate Change # Human Mobility	3.00
LAW L8452	Energy Regulation	2.00	INAF U6425	Energy Transition in Europe	1.50
PUAF U6314	Climate Campaigning Reimagined: Communications and Mobilization	1.50	INAF U6426	Energy Transition in Latin America	3.00
			INAF U6431	Asian Energy Security	3.00
			INAF U6617	Environmental, Social and Governance Investing	1.50
			INAF U6680	Geopolitics of Oil and Natural Gas	3.00
			INAF U6690	Sustainable Finance I: Foundations of ESG Investing	3.00
			INAF U6693	History of Sustainable Investing	1.50
			INAF U6695	Climate Finance, Policy, and the Just Transition	3.00
			INAF U6697	Capital Market Mobilization for Mitigating Climate Change and Biodiversity Loss	1.50
			INAF U6702	ESG and Corporate Political Strategy	1.50
			INAF U6704	ESG and Fiduciary Duty	1.50
			INAF U6705	Environmental, Social and Governance Reporting	3.00
			INAF U6706	Climate Change # ESG Investing	1.50
			INAF U6709	Environment, Development, # Politics in Africa	3.00

4. Students must complete two (2) electives (6 points):

		Points
CLMT GR5019	Climate Change Decision-making	3.00
ENVP U6239	Politics # Policy of Urban Sustainability	3.00
ENVP U6241	Earth Systems and Environmental Policy, Politics, and Management	3.00
ENVP U6320	Political Context of Environmental Management	3.00
IAIA U6360	Global Politics for People and Planet: A New Paradigm	3.00
INAF U6016	Cost-Benefit Analysis	3.00
INAF U6040	International Energy Project Finance	3.00
INAF U6042	Energy, Enterprise and Development	3.00
INAF U6051	Infrastructure Investment and Development	1.50
INAF U6057	Electricity Markets	3.00
INAF U6061	Global Energy Policy	3.00
INAF U6065	The Economics of Energy	3.00
INAF U6066	Energy # Power Financing Markets	3.00
INAF U6068	Environmental Economics	3.00
INAF U6071	Fundamentals of Environmental Policy	3.00
INAF U6072	Energy Systems Fundamentals	3.00
INAF U6074	Current Issues in Energy Policy	1.50

INAF U6886	Social Impact: Business, Society, and the Natural Environment	3.00
INAF U8537	Climate Change Policy	3.00
INAF U8681	Green Transition in Emerging Markets	1.50
INAF U8908	Sustainable Investing Research Consulting Project	3.00
INAF U8910	Struggles for Sustainability	3.00
LAW L6038	Climate Change Law	3.00
LAW L6040	International Environmental Law	2.00
LAW L6242	Environmental Law	3.00
LAW L8452	Energy Regulation	2.00
PLAN W6434	Transportation Issues Seminar	3.00
PUAF U6190	Investing in the Energy Transition: exploring policy dilemmas, complexities and trade-offs	3.00
PUAF U6314	Climate Campaigning Reimagined: Communications and Mobilization	1.50
REGN U6149	Energy, Corporate Responsibility # Human Rights	3.00
REGN U6538	Global Reliance on Russian Energy	3.00
SDEV U6240	Environmental Science for Sustainable Development	3.00
SDEV U6260	Disasters and Development	3.00
SIPA U6015	Sustainability Management	3.00
SUMA PS4100	Sustainability Management	3.00
SUMA PS4190	ECONOMICS OF SUSTAINABILITY MANAGEMENT	3.00

Note: Courses offered at affiliate Columbia Schools - Enrollment not guaranteed. Please see SIPA Cross-Registration instructions. Many courses will require instructor permission.

Degree Audit Report

Matriculated students in this program can view their degree audit report on [Stellic](#).