

ENERGY MANAGEMENT & POLICY, CERTIFICATE

The Certificate in Energy Management and Policy is offered through the Kleinman Center for Energy Policy at The Weitzman School of Design. This certificate draws on the interdisciplinary nature of energy policy education at Penn, and draws from a comprehensive set of courses across several schools at Penn, with a foundational offering in the Weitzman School of Design. The certificate is intended for professional graduate students currently enrolled at the University interested in adding an understanding of energy policy to their list of educational qualifications.

For more information: <https://kleinmanenergy.upenn.edu/certificate-energy-management-and-policy> (<https://kleinmanenergy.upenn.edu/certificate-energy-management-and-policy/>)

Curriculum

A total of 5 course units are required to complete the Certificate program.

Code	Title	Course Units
Required Course ¹		1
ENMG 5020	Introduction to Energy Policy	
Energy Management and Policy Courses (Choose at least one)		1-4
ENMG 5030	Topics in Energy Policy	
ENMG 5070	Effective Policy for the Energy Transition	
ENMG 5080	Geopolitics of Energy in Russia and Eurasia	
ENMG 5100	Societal Grand Challenges at the Interface of Technology and Policy	
ENMG 5120	Energy Geopolitics and National Security	
ENMG 5300	Energy Justice	
ENMG 5400	Clean Energy Technology Deployment to Achieve Net Zero	
Additional Approved Courses (Choose up to three) ²		0-3
BEPP 7630	Energy Markets & Policy	
BEPP 7640	Climate and Financial Markets	
CPLN 5310	Sustainability and Environmental Planning	
CPLN 5500	Introduction to Transportation Planning	
CPLN 7300	Sustainable Cities	
CPLN 7500	Advanced Transportation Seminar	
EAS 5010	Energy and its Impacts: Technology, Environment, Economics, Sustainability.	
EAS 5020	Renewable Energy and Its Impacts: Technology, Environment, Economics, Sustainability	
EAS 5030	Energy Systems and Policy	
EAS 5050	Climate Policy and Technology	
EAS 5060	Electricity and Systems Markets	
ENVS 6302	Climate Technology: Finance and Policy	
ENVS 6530	Corporate Sustainability Strategies	
ENVS 6675	Global Supply Chain Decarbonization	
ENVS 6840	Energy, Waste and the Environment	

LARP 780x: Topics in Theory and Design - check with department for approval for specific topics

LAW 6130	Climate Change
LAW 6190	ESG: Public Corp ESG Initiatives
LAW 9190	Energy Law & Climate Change
LAW 9540	Networks, Platforms & Utilities
OIDD 5250	Thinking with Models: Business Analytics for Energy and Sustainability

Total Course Units **2-8**

¹ Substitutions must be approved in writing by the Director and submitted to the Weitzman School of Design Office of Student Services.

² Alternative elective courses must be approved in writing by the director of the certificate program and submitted to the Weitzman School of Design Office of Student Services.

The degree and major requirements displayed are intended as a guide for students entering in the Fall of 2024 and later. Students should consult with their academic program regarding final certifications and requirements for graduation.