Master’s of Public Administration (MPA) in Energy, Technology and Climate Policy
MPA IN ENERGY, TECHNOLOGY AND CLIMATE POLICY

A unique Master’s degree for the next generation of climate and energy leaders.

From ensuring affordability and security of energy supply, to tackling the growing environmental and societal pressures of climate warming – technology holds the key to solving the pressing global challenges we face today.

Graduates of this Master’s of Public Administration in Energy, Technology and Climate Policy develop an understanding of the key themes and debates around climate and energy policy, as well as the analytic tools, practical skills and knowledge to collaborate on policy that leverages cutting-edge technologies to foster sustainable, profitable and inclusive economies.

The degree is designed for professionals working with energy and/or climate policy in a wide variety of organisations, including national and local government, non-governmental organisations, charities, international bilateral and multilateral aid donors and the private sector.

Key benefits
- Study at the heart of London, a global hub for industry and policy leaders
- Connect with UCL’s network of teachers, practitioners and researchers in the energy and climate space
- Collaborate with peers to gain a range of perspectives
- Receive rigorous training in leadership, analytical methods and conceptual tools

Our faculty
The MPA degree is led by our expert faculty and students benefit from a personal tutor with specialist expertise in energy and climate policy.

Professor Arthur C Petersen
Course Co-lead and Professor of Science, Technology and Public Policy, UCL STEaPP

Dr Adam Cooper
Course Co-lead and Lecturer in Social Science and Public Policy, UCL STEaPP

Our partners
MPA students apply their knowledge to real client projects for a range of organisations from government, non-profits and the private sector. Our partners include:
- Red Cross Red Crescent Climate Centre
- Transport Systems Catapult UK
- Small Advanced Economies Initiative
- African Group of Climate Negotiators.

Visit our website to find out more about previous client projects.

For full module details, visit www.ucl.ac.uk/steapp/masters

DEGREE OVERVIEW

TERM 1

Introduction: energy, technology and climate policy
An intensive introductory week is followed by weekly topical seminars and sessions with climate and energy experts throughout Term 1.

Managing complexity in public decision making
- Technology, innovation and societal change
- Expertise and knowledge systems
- Adaptive management frameworks

Assessing and integrating evidence
- Data reliability and provenance
- Socio-technical systems and risks
- Integrating evidence types

Public administration; law and economics
- Challenges of managing public institutions
- Management techniques and regulation
- Introduction to law and economics for policy

TERM 2

In-depth focus: energy, technology and climate policy
Topical module covering:
- Connecting energy, technology and climate policy
- Renewable energy
- Carbon dioxide capture and storage
- Scientific advice on energy and climate

Specialist energy/climate elective
Module chosen from electives across UCL faculties, for example:
- Energy systems and sustainability
- Ecometrics for energy and the environment
- Climate change and health

Practical skills
Module chosen from UCL STEaPP options, for example:
- Communicating science for policy
- Negotiation and diplomacy
- Science, technology and engineering advice in practice

Analytic methods
- Trade-off and decision analysis
- Stakeholder and public engagement
- Introduction to modelling and data science for policy

TERM 3

Evidence, institutions and power
- Influencing outcomes for public good
- Professional values and social responsibility
- Disruptive and innovative approaches to growth and progress
- Digital networks and citizen science

Leadership intensive
Intensive week-long course covering:
- Group and social dynamics
- Mobilising group and social change
- Reflecting on personal leadership skills and desires

Client project contd.
Term 3:
- Conducting research
- Applying analytic methods
- Shaping solutions
- Presenting to clients

Introduction to policy analysis
- Tools for policy analysis
- Writing and presenting analyses
- Introduction to analytic methods

Scenario week
Week-long policy challenge including a field trip to an industry expert.

Extended client project
Students complete a real policy project for an international organisation in the public, private or third sector.

Term 2:
- Scoping the project

This visual is designed to provide an overview of content and is not guaranteed to reflect the exact structure of the MPA degree. For full details please visit our website.
Bursaries and scholarships
Visit our website to register your interest and find out about funding opportunities.

Our department
The Department of Science, Technology, Engineering and Public Policy (STEaPP) at UCL explores how scientific and engineering expertise can meaningfully engage with public decision-making and policy processes to tackle pressing global issues and improve public wellbeing.

STEaPP is a uniquely policy-oriented department within UCL’s world class Faculty of Engineering and has strong links to the Bartlett Faculty of the Built Environment and the Faculty of Mathematical and Physical Sciences.

Next steps
Visit our website to find out about:
- Entry requirements
- Fees
- How to apply
- Our other MPA degrees

www.ucl.ac.uk/steapp/masters

CONTACT US

UCL STEaPP
Boston House, 2nd Floor, 36-38 Fitzroy Square, London W1T 6EY
Tel: +44 (0)20 3108 9425
Email: steapp.admissions@ucl.ac.uk
www.ucl.ac.uk/steapp

“...The training I’ve got on this course will really help me act as a better bridge between scientists and policy officers.”

Wee Ng
Singapore Civil Service (MPA 2016)