



Postgraduate Nuclear and Energy courses



Nuclear and Energy

How to meet the world's future energy needs in a sustainable way is one of the biggest questions facing humankind. Study one of our postgraduate programmes and you could help tackle this global challenge.

Why study energy at Birmingham?

We have a range of postgraduate programmes in different subject areas. You can explore how to reshape global energy systems and technologies for efficient and sustainable energy supply, storage and use.

If you are interested in nuclear power, then we have programmes that focus on nuclear energy and the challenges facing the sector.

Global Energy Technologies and Systems MSc

Global Energy Technologies and Systems Masters/MSc course fulfils a critical need to educate the next generation of energy professionals in concert with the internationally

recognised research

Joint Masters Sustainable Energy Systems MSc

Study the joint Masters in Sustainable Energy Systems with global experts at both the University of Birmingham and IIT Madras. [Learn more...](#)

Nuclear Decommissioning and Waste Management MSc / PGDip

This Nuclear Decommissioning and Waste Management Masters programme is for students with a science-based background who are interested in a career in the nuclear industry.

Physics and Technology of Nuclear Reactors MSc

Advance your career in the nuclear industry with our comprehensive course in reactor physics. Study radiation transport, reactor systems, and fusion. Hands-on experience with field trips and projects.

Sustainable Energy Engineering MSc

Sustainable Energy Engineering Masters/MSc course builds the knowledge and skills to lead the change as we transition to a net-zero future. [Learn more](#)

Advanced Mechanical Engineering MSc

This innovative Advanced Mechanical Engineering Masters/MSc programme offers graduates excellent career prospects in a broad field of mechanical engineering-related industries. [Learn more.](#)

Electrical Power Systems MSc

The Electrical Power Systems Masters/MSc - Meeting the growing demand for engineers trained in electrical power systems and renewable energy. [Learn more.](#)

Electrical Power Systems with Advanced Research MSc

This two year Electrical Power Systems with Advanced Research Masters/MSc will give you the skills and specialist experience required to significantly enhance your career in power industry

Hydrogen, Fuel Cells and their Applications MRes

This course is the first of its kind in the UK, proving you with systematic knowledge and understanding of hydrogen, fuel cells and their applications, including developments and problems

Materials in Fusion Energy MRes

This Materials in Fusion Energy MRes (MRes) programme comprises a major research project, which can be based in the University or in industry, and six taught modules. Learn more.

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