



THE UNIVERSITY of EDINBURGH
School of Engineering

Postgraduate opportunities

MSc in Electrical Power Engineering

A new postgraduate programme starting in 2017/18 at the School of Engineering, delivered by a world-leading power & energy research group. The programme has a strong focus on renewable energy conversion and smart grids, and is designed to equip its graduates with a broad and robust training on modern power engineering technologies.

Creating Experts for Tomorrow's Global Power Engineering Challenges

The University of Edinburgh offers a new for 2017 MSc in Electrical Power Engineering, specifically designed to help meet the industry's worldwide demand for highly skilled power engineers. The programme aims to train the next generation of engineers who:

- are aware of the most recent, cutting edge developments in power engineering
- have skills and training needed for both industrial and academic settings
- are able to tackle the global energy trilemma of supplying secure, equitable and environmentally sustainable energy, appreciating the technical, social and economic challenges faced in both developed and developing countries

Programme Structure

The programme consists of two taught semesters, followed by a research dissertation, and progresses from a comprehensive coverage of the fundamentals to a study of advanced and emerging topics in Electrical Power Engineering.

Taught component

Semester 1

Power Electronics, Systems & Machines
Power Engineering Research Techniques
Technologies for Sustainable Energy
Energy & Environmental Economics

Semester 2

Power Conversion & Control
Power Systems Engineering & Economics
Distributed Energy Resources & Smart Grids

Dissertation

On successful completion of the taught component of the programme, students conduct a research project over three months, in collaboration with the academic & research staff of the School.

Careers

Graduates from our MSc Programmes go on to a wide range of activities. Some take up PhD opportunities at Edinburgh and elsewhere; some return to jobs and academia in their own countries; some take up employment with well-known companies in Scotland, the UK and elsewhere in the world, e.g. with governments, energy consultancies, energy utilities, engineering or construction companies and renewable energy developers.

Entry Requirements

You should have a UK 2:1 degree or its international equivalent preferably in Electrical and/or Electronic Engineering. Other closely related backgrounds may be considered on a case-by-case basis. For more information, prospective applicants are invited to contact the Programme Director Dr Aristides Kiprakis by email: aristides.kiprakis@ed.ac.uk.

Course Duration: 1 year full time

Virtual Visit Information Sessions

Applicants will be invited to speak with academics about course content on our regularly-held online sessions.

Tuition Fee 2017/18*

UK/EU Students: £10,800

International Students: £23,700

*Fees change annually. For the most up-to-date information about fees see:

www.ed.ac.uk/student-funding/tuition-fees/postgraduate/taught-fees

English Language Requirements

IELTS Academic module 6.5 (with 6.0 in each section), TOEFL iBT 92 (with 20 in each section). For more information about other qualifications we accept please go to www.ed.ac.uk/studying/international/english/postgraduate.

Contact Us

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Scholarships
[www.ed.ac.uk/
student-funding](http://www.ed.ac.uk/student-funding)

The School of Engineering was rated 1st in the UK in research power (general engineering) by the UK Research Excellence Framework 2014.

The University of Edinburgh is ranked 19th in the world by the QS World University Rankings 2016/17.

QS World University ranking, 2016/17



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