




THE UNIVERSITY *of* EDINBURGH  
School of Engineering

Postgraduate Opportunities



# MSc in Electrical Power Engineering

A new postgraduate programme starting in year 2017-2018 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.

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

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

**Apply Now:**

<http://edin.ac/2hKE5NW>

## Careers

Graduates from our MSc Programme 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](mailto:Aristides.Kiprakis@ed.ac.uk).

**Course duration:** 1 year full time

## Virtual Information Sessions

All applicants will be invited to speak with academics about course content in our regularly-held online sessions.

## Tuition Fees 2017/18\*

UK/EU Students: £10,800 International Students: £23,700

\* Fees change annually. For the most up-to-date information about fees see: <http://edin.ac/2igAP9Y>.

## 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 on other qualifications we accept see: <http://edin.ac/2hbbpNe>.

## Contact Us

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