Postgraduate study
Department of Electrical and Electronic Engineering
www.nottingham.ac.uk/eee

The University of Nottingham

UNITED KINGDOM • CHINA • MALAYSIA

Electrical, Electronic and Entrepreneurship Engineering MSc

This course provides the opportunity to obtain the skills required to develop and commercialise new technologies in Electrical and Electronic Engineering.

Students will have an invaluable chance to work with experts in both engineering and business, providing an excellent basis for those engineers who wish to commercialise their ideas or graduates who wish to develop their knowledge of management and entrepreneurship in a high tech environment.

The course provides an excellent basis for engineers who wish to update their knowledge in this area, or students/engineers who wish to go on to do research or study for a PhD degree, as well as first degree students who would like to enhance their training.

Students will develop:

- the skills required to develop and commercialise new technologies in electrical and electronic engineering
- the ability to plan and undertake a research project and work in a team environment
- interpersonal communication and professional skills
- the ability to communicate ideas effectively in written reports
- an awareness of contemporary problems in the fields of Electrical and Electronic Engineering and both present and futuristic approaches to their solutions

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Course structure

This course is taught on a full-time basis over one year and consists of 120 credits of taught modules and a 60 credit independent research project. Normally 60 credits of taught modules are taken per semester, however it is possible to take a 55/65 credit split. Please be aware modules are subject to change. Modules are chosen from a wide range of electrical engineering topics according to students specific interests and requirements.

Core business skills modules - 60 credits

Autumn semester

Finance & Accounting	10 credits
Project Management	10 credits
Science, Technology, Arts & Business	10 credits

Spring semester

Creative Problem Solving	10 credits
Marketing for Entrepreneurs	10 credits
Innovation Management	10 credits

Technical optional modules - 60 credits

A wide choice of technical modules are available including:

Power Networks
Hydrogen Ecomomy
HDL for Programmable Logic
Integrated Photonics: design and technology
Optical Communications
Ultrasonic Engineering

Individual project

Following the successful completion of the taught modules, a group research project is undertaken during the summer term. The project will demand the completion of a major piece of commercialisation work on an advanced technical topic.

Previous projects have included:

- industrial cure monitoring in the automobile and aerospace industries
- assessment of market potential for embedded ultrasonic sensors for structural health monitoring
- commercial opportunity for novel capsule endoscopes
- commercial assessment of portable laser Doppler blood flow monitors

Funding opportunities

Find out more about funding options at:
www.nottingham.ac.uk/graduateschool/funding

Employment prospects

The very nature of this course means that you will be well equipped to enter the exciting world of commercialisation or to launch your own business or develop and market your own project.

Students of this course have entered into roles in design and development within major international companies or government agencies, obtained consultancy posts with leading contract consultant companies and moved into successful academic careers.

Entry Requirements

Applicants should have at least a 2.1 honours degree (or international equivalent) in a related subject from a recognised university.

English language requirements:

- IELTS score of at least 6.0 with a minimum score of 5.5 in individual elements

Other qualifications are accepted and exceptions are sometimes made for students who have had their education entirely in the medium of English and where English is a well-established second language.

How to apply

Candidates are encouraged to apply online at:
https://pgapps.nottingham.ac.uk

Contact us

For further information, please contact:

PGT Admissions
Department of Electrical and Electronic Engineering
t: +44 (0)115 95 15600
e: pg.adm@eee.nottingham.ac.uk
w: www.nottingham.ac.uk/eee

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