



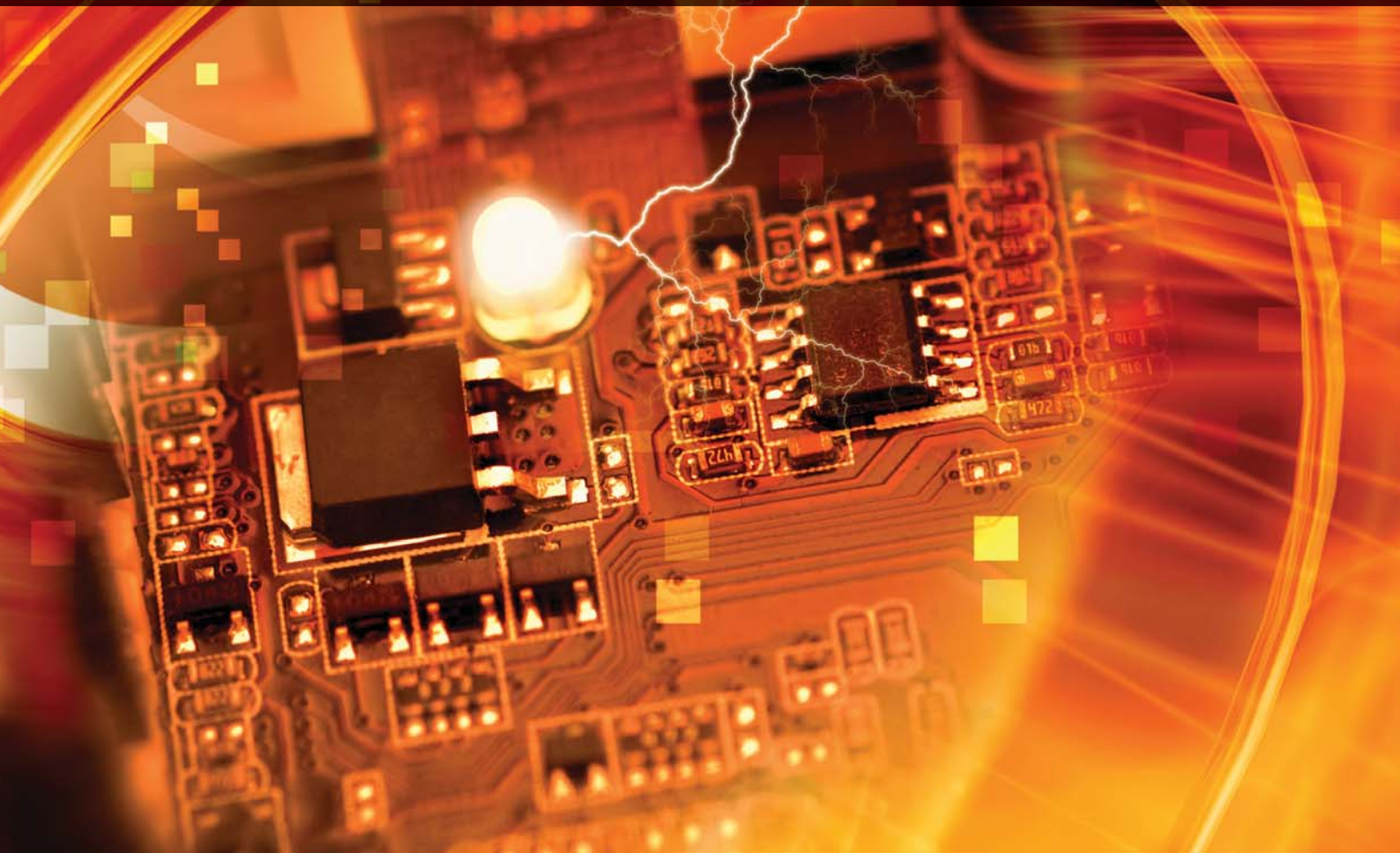
# One Year Pre-Masters Course

**This Pre-Masters programme is designed to provide instruction and training for students without a recognised electrical and electronic engineering background wishing to develop their knowledge to a sufficiently high enough standard to gain access onto an MSc course.**

The course will provide students with a comprehensive coverage of the specialist skills required by an engineer working in electrical and electronic engineering.

Students will develop:

- a superior level of understanding of electrical and electronic engineering concepts together with a high level of professional, practical and transferable skills
- ability to apply these skills to solving a wide range of electrical and electronic engineering problems
- interpersonal communication and professional skills
- the ability to communicate ideas effectively in written reports
- responsibility for their own personal and professional development





# One Year Pre-Masters Course

## 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 modules - 10 credits

Electrical/Electronic Design Project

### Optional modules - 110 credits

#### Autumn semester

Electronic Design	10 credits
Solid State Devices	10 credits
Power Networks	10 credits
Electrical Machines	10 credits
Power Electronic Design	10 credits
Control System Design	10 credits
Digital Communications	10 credits
Embedded Computing	10 credits
IT Infrastructure	10 credits
Business Accounting	10 credits
English Language and Study Skills	10 credits
Fields, Waves and Antennas	10 credits

#### Spring semester

VLSI Design	10 credits
Telecommunication Electronics	10 credits
Energy Conversion for Motor & Generator Drives	10 credits
Web Based Computing	10 credits
Digital Video Communication Systems	10 credits
Microwave Communications	10 credits
Management Studies B	10 credits
English Language & Study Skills	10 credits
Business Planning for Engineers	10 credits

## Funding opportunities

Find out more about funding options at:  
[www.nottingham.ac.uk/graduateschool/funding](http://www.nottingham.ac.uk/graduateschool/funding)

## Employment prospects

On successful completion of this programme students will be able to progress onto an MSc in the Department of Electrical & Electronic Engineering.

## Entry requirements

Applicants should have a 2.1 honours degree (or international equivalent) in engineering (except electrical and electronic), physics, physical sciences, mathematics and computer science and any other related subject.

Students who have completed a diploma undergraduate degree (eg. a three year Chinese Diploma) in electrical and electronic engineering, physics, computer science and any other related subjects should meet the standard equivalent to the end of year two UK upper 2.1 degree level.

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](mailto:pg.adm@eee.nottingham.ac.uk)

w: [www.nottingham.ac.uk/eee](http://www.nottingham.ac.uk/eee)

## To request this information in an alternative format:

t: +44(0)115 951 4591

e: [alternativeformats@nottingham.ac.uk](mailto:alternativeformats@nottingham.ac.uk)