Influencing the world since 1583

For more than 400 years the University of Edinburgh has been changing the world. Our staff and students have explored space, won Nobel Prizes and revolutionised surgery. They’ve published era-defining books, run the country, made life-saving breakthroughs and laid the foundations to solve the mysteries of the universe.

Our distinguished alumni include NASA astronaut Piers Sellers, former MI5 Director-General Dame Stella Rimington, Olympians Sir Chris Hoy and Katherine Grainger and historical greats such as philosopher David Hume, suffragist Chrystal Macmillan, who founded the Women’s International League for Peace and Freedom, and physicist and mathematician James Clerk Maxwell.

International collaboration
An internationally renowned centre for academic excellence, we forge world-class collaborations with partners such as the California Institute of Technology (Caltech), Stanford University, the University of Melbourne, Peking University, the University of Delhi and the University of KwaZulu-Natal. As a member of the League of European Research Universities and the Coimbra Group, we link up with leading institutions across Europe.

Linking research and commerce
We were one of the first UK universities to develop commercial links with industry, government and the professions. Edinburgh Research and Innovation (ERI) promotes and commercialises our research excellence and can assist you in taking the first step to market, through collaborative research, licensing technology or consultancy.

Enhancing your career
We are committed to embedding employability in your University experience and have one of the Russell Group’s best track records for graduate employment. From volunteering schemes to our sector-leading Careers Service, we provide you with opportunities to develop your skills, knowledge and experience, giving you an edge in the competitive job market.

TOP 50
We’re consistently ranked one of the top 50 universities in the world. We’re 19th in the 2016/17 QS World University Rankings.

4TH
We’re ranked fourth in the UK for research power, based on research quality and breadth.*

83%
The majority of our research – 83 per cent – is considered world leading or internationally excellent.*

23RD
We’re ranked 23rd in the world for the employability of our graduates.**

£305m
In 2014/15 we won £305 million in competitive research grants.

20
We’re associated with 20 Nobel Prize winners, including physicists Peter Higgs, Charles Barkla and Max Born, medical researcher Peter Doherty and biologist Sir Paul Nurse.

137 NATIONALITIES
Students from two-thirds of the world’s countries study here.

* Research Excellence Framework (REF) 2014
** Latest Emerging Global Employability University Ranking
Advanced Chemical Engineering

MSc 1 yr FT

Programme description
This programme will immerse you in the current developments in chemical engineering, through a combination of taught modules, workshops, a research dissertation, and a number of supporting activities delivered by the key experts in the field. The programme will develop from fundamental topics, including modern approaches to understanding properties of the systems on a molecular scale and advanced numerical methods, to the actual processes, with a particular emphasis on energy efficiency. Dissertation projects will require you to put acquired skills, in various areas, into practice in application to actual chemical engineering problems.

Programme structure
The programme develops from compulsory courses, emphasising modern computational techniques and research methods, to a range of options. It is complemented by a strong research and management component.

SEMESTER 1 COURSES PREVIOUSLY OFFERED INCLUDE:
Computational Fluid Dynamics; Numerical Methods for Chemical Engineers; Introduction to Research Methods; Molecular Thermodynamics; Plus one option course from Chemical Reaction Engineering; Energy Systems, Fire Science and Fire Dynamics.

SEMESTER 2 COURSES PREVIOUSLY OFFERED INCLUDE:
Five or six courses from: Polymer Science and Engineering; Nanotechnology; Supply Chain Management; Modern Economic Issues in Industry; Engineering in Medicine; Gas Separations Using Membranes; Membrane Separation Processes; Separation Processes for Carbon Capture; Oil and Gas Systems Engineering; Adhesion; Technology and Innovation Management; Separation Processes; Batchwise and Semi-batch Processes.

Career opportunities
Our graduates enjoy career opportunities in oil and gas, pharmaceutical, food and drink, consumer products, banking and consulting industries. Recent employers of our graduates include BP, ExxonMobil, Mondelēz International, Doosan Babcock, Atkins, Safetc, Xodus Group, C3K, Diageo, World Group, Cihad Sciences, Jacobs, Halliburton, and Cavendish Nuclear. This range of employers means our graduates are well placed to find rewarding and lucrative careers. This MSc may also lead to further professional experience.

English language requirements
See page 20.

Fees and funding
See page 20 for fee page 20 and for funding information see page 22.

Programme contact
Tel +44 (0)31 651 5765
Email pgstudies@ed.ac.uk

www.eng.ed.ac.uk/pg/913

Taught masters programmes
Following a taught Master of Science (MSc) programme you will typically mean that you take two semesters of taught courses, followed by a research project for which you will write a dissertation.

International Master of Fire Safety Engineering

MSc 2 yrs FT

Programme description
This is a two-year programme in the Erasmus Mundus framework, coordinated by Chalmers University, Sweden, in partnership with Lund University, Sweden, and the University of Edinburgh. Classes in Edinburgh focus on the computational techniques and research methods, to a range of advanced micro and nano fabrication facilities and state-of-the-art digital system laboratories use the latest industry standard software tools. Alternatively, students may specialise in the emergent discipline of bioelectronics where our research and teaching interests include access to the fabrication facilities at the Scottish Microelectronics Centre. For students who wish to study a more general electronics programme including digital systems, a prescribed course selection is available.

Programme structure
This programme is run over 12 months, with two semesters of taught courses, including a small number of options, followed by a research project, leading to a masters thesis.

SEMESTER 1 COURSES PREVIOUSLY OFFERED INCLUDE:
Analogue IC Design; Analogue VLSI A; Discrete-Time Signal Analysis; Power Electronics; Principles of Microelectronic Devices; Digital Systems Laboratory A; Introduction to Biocircuits; Bioelectronics.

SEMESTER 2 COURSES PREVIOUSLY OFFERED INCLUDE:
Digital System Design; Digital Systems Laboratory; Research Project Preparation; Electronic/ Electrical Engineering System Design; Analogue VLSI B; Sigma Delta Converters; Analogue Circuit Design; Microfabrication Technology; Biosensors and Instrumentation; Lab-on-Chip Technologies; Biomedical Imaging Techniques; Embedded Mobile and Wireless Systems; Modern Economic Issues in Industry; Technology and Innovation Management.

Career opportunities
You will gain practical experience in analogue and digital laboratories and become familiar with current industry standard design software. Having been exposed to concepts such as design re-use and systems on chip technology, you will be able to cooperate with others in electronic system design. Recent graduates are now working as applications, design, field, test and validation engineers for employers such as BMW, Guangzhou Hangxin Avionics and Kongsberg Maritime.

Entry requirements
A UK 2.1 honours degree, or its international equivalent (www.ed.ac.uk/) international graduate entry, in chemical engineering or a closely related discipline.

English language requirements
See page 20.

Fees and funding
See page 20 for fee page 20 and for funding information see page 22.

Programme contact
MSc Administrator
Tel +44 (0)131 650 7352
Email pgadmissions@ed.ac.uk

www.ed.ac.uk/pg/669

Electronics

MSc 1 yr FT

Programme description
This programme offers distinct specialisation areas in: analogue VLSI, bioelectronics and analogue and digital systems. In analogue VLSI design, our facilities include a unique custom designed analogue integrated circuit specifically designed to support laboratory based teaching. Our advanced design and testing facilities: advanced micro and nano fabrication facilities and state-of-the-art digital system laboratory use the latest industry standard software tools. Alternatively, students may specialise in the emergent discipline of bioelectronics where our research and teaching interests include access to the fabrication facilities at the Scottish Microelectronics Centre. For students who wish to study a more general electronics programme including digital systems, a prescribed course selection is available.

Programme structure
This programme is run over 12 months, with two semesters of taught courses, including a small number of options, followed by a research project, leading to a masters thesis.

SEMESTER 1 COURSES PREVIOUSLY OFFERED INCLUDE:
Analogue IC Design; Analogue VLSIA; Discrete-Time Signal Analysis; Power Electronics; Principles of Microelectronic Devices; Digital Systems Laboratory A; Introduction to Biocircuits; Bioelectronics.

SEMESTER 2 COURSES PREVIOUSLY OFFERED INCLUDE:
Computational Fluid Dynamics; Numerical Techniques; Process Control and Instrumentation; Passive Fire Protection; Fire Investigation and Failure Analysis; Engineering Project Management.

Career opportunities
You will gain practical experience in analogue and digital laboratories and become familiar with current industry standard design software and environments. Having been exposed to concepts such as design re-use and systems on chip technology, you will be able to cooperate with others in electronic system design. Recent graduates are now working as applications, design, field, test and validation engineers for employers such as BMW, Guangzhou Hangxin Avionics and Kongsberg Maritime.

Entry requirements
A UK 2.1 honours degree, or its international equivalent (www.ed.ac.uk/ international graduate entry, in chemical engineering or another relevant physical science. Entry is open to students with a first class science degree, or a UK 2:1 honours degree supported by an MSc degree, or their international equivalent. We may also consider your application if you have other qualifications or experience or a background in another field.

English language requirements
See page 20.

Fees and funding
See page 20 for fee page 20 and for funding information see page 22.

Programme contact
Lies Decroes (BFMS Administrator)
Tel +32 9 264 98 47
Email imfse@ugent.be

www.ed.ac.uk/pg/882

Sensor & Imaging Systems

MSc 1 yr FT

Programme description
This programme is jointly offered by the universities of Edinburgh and Glasgow. It focuses on the principles, methods, techniques and technologies that underpin a vast range of needs in applications spanning research, industry and medicine. Sensing and sensor systems are essential for advances in research across all fields of physics, engineering and chemistry and can be used to solve a multitude of sensory applications. The programme is designed to prepare students for positions in developing smart systems and devices or for careers in fields such as medical informatics, automotive and robotics.

Programme structure
This programme is run over 12 months. The first semester of taught courses is run at the University of Glasgow and the second at the University of Edinburgh, followed by a research project, carried out at either university, leading to a masters thesis.

SEMESTER 1 COURSES PREVIOUSLY OFFERED INCLUDE:
University of Glasgow: Sensing and Imaging; Imaging and Detectors; Detection and Analysis of Ionising Radiation; Circle Systems; Option course in physics or engineering.

SEMESTER 2 COURSES PREVIOUSLY OFFERED INCLUDE:
University of Edinburgh: two compulsory courses: Applications of Sensor and Imaging Systems; Research Project Preparation. Two options courses in engineering and/or chemistry, e.g., Biophysical Chemistry; Biosensors and Instrumentation; Lab-on-Chip Technologies; Biomedical Imaging; Lab-on-Chip Technologies.

Career opportunities
Sensor and imaging systems underpin a vast range of societal, research and industrial needs. This is an industry-focused programme, designed for students who want to develop specialist skills which opens up opportunities in the many companies developing sensor and image processing technology.

Entry requirements
A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/ international graduate entry, in engineering, physics, chemistry or another relevant physical science. Entry is open to students with a first class science degree, or a UK 2:1 honours degree supported by an MSc degree, or their international equivalent. We may also consider your application if you have other qualifications or experience or a background in another field.

English language requirements
See page 20.

Fees and funding
See page 20 for fee page 20 and for funding information see page 22.

Programme contact
Postgraduate Admissions Team
Tel +44 (0)141 330 4515
Email pgadmissions@glasgow.ac.uk

www.ed.ac.uk/pg/806

International Master of Fire Safety Engineering

MSc 2 yrs FT

Programme description
This two-year programme in the Erasmus Mundus framework, coordinated by Chalmers University, Sweden, in partnership with Lund University, Sweden, and the University of Edinburgh. Classes in Edinburgh focus on the computational techniques and research methods, to a range of advanced micro and nano fabrication facilities and state-of-the-art digital system laboratory use the latest industry standard software tools. Alternatively, students may specialise in the emergent discipline of bioelectronics where our research and teaching interests include access to the fabrication facilities at the Scottish Microelectronics Centre. For students who wish to study a more general electronics programme including digital systems, a prescribed course selection is available.

Programme structure
This programme is run over 12 months, with two semesters of taught courses, including a small number of options, followed by a research project, leading to a masters thesis.

SEMESTER 1 COURSES PREVIOUSLY OFFERED INCLUDE:
Students choose to study at either Chalmers or Edinburgh.
Chalmers University: Language and Culture (this course is given two weeks before the start of the academic year) Introduction to Fire Dynamics; Basics of Structural Engineering; Thermodynamics, Heat and Mass Transfer; University of Edinburgh: Fire Science and Fire Dynamics; Fire Safety Engineering; Fire Investigation and Failure Analysis; Engineering Project Management.

SEMESTER 2 COURSES PREVIOUSLY OFFERED INCLUDE:
Lund University: Advanced Fire Dynamics; Human Behaviour in Fire; Risk Assessment; Simulation of Fires in Enclosures.

SEMESTER 3 COURSES PREVIOUSLY OFFERED INCLUDE:
Students choose to study at either Chalmers or Edinburgh.
Chalmers University: Active Fire Protection II: Smoke and Heat Control; Explosions and Industrial Fire Safety; Fire Safety Regulations; Passive Fire Protection; Performance Based Design; University of Edinburgh: Fire Safety Engineering; Fire Science and Fire Dynamics; Structural Design for Fire; Finite Element Analysis for Solids.

SEMESTER 4 COURSES PREVIOUSLY OFFERED INCLUDE:
Chalmers University: The master thesis is supervised by at least one of the partner universities.

Career opportunities
We aim to retake the next generation of leaders in this field. There is great demand for fire safety engineers worldwide and as a graduate you will have gained relevant employment or enhanced career opportunities.

Entry requirements
A bachelor degree or recognised equivalent from an accredited institution (minimum three years’ full-time study or 180 ECTS credits) in civil, structural, mechanical, electrical, chemical or industrial engineering; material sciences; chemistry; physics; applied physics; architecture; urban planning or spatial planning or a related discipline.

English language requirements
See page 20.

Fees and funding
See page 20 for fee page 20 and for funding information see page 22.

Programme contact
Lies Decroes (BFMS Administrator)
Tel +32 9 264 98 47
Email imfse@ugent.be

www.uc.ac.uk

www.ed.ac.uk/pg/810

Engineering Postgraduate Opportunities 2017

Funding page 22

The University of Edinburgh
Programme description
Innovative design allows more interesting and functional architecture but challenges traditional concepts of fire safety. To respond to these demands takes specialist knowledge and advanced skills in engineering analysis. This programme covers the fundamentals of fire science, including laboratory classes, fire safety engineering and relevant structural engineering topics, such as finite element methods. You will gain knowledge of the critical issues in structural fire safety engineering, and an understanding of relevant fire and structural behaviour. You will become familiar with performance-based approaches to design and have an awareness of the capabilities and limitations of relevant advanced modelling methods for structures and fire. Our Building Research Establishment (BRE) Centre for Fire Safety Engineering hosts bespoke equipment to support groundbreaking research and teaching, with combined thermal and mechanical loading and use of the latest image analysis techniques.
This programme is fully accredited by the Joint Board of Moderators: www.jbm.org.uk

Programme structure
You study two semesters of taught courses, a research project and thesis.

SEMESTER 1 COURSES PREVIOUSLY OFFERED INCLUDE:
- Fire Science and Fire Dynamics; Structural Design for Fire; Finite Element Analysis for Solid Fire Investigation and Failure Analysis; Thin-walled Members and Stability.

SEMESTER 2 COURSES PREVIOUSLY OFFERED INCLUDE:
- Fire Science Laboratory; Fire Safety Engineering Analysis and Design; The Finite Element Method; Structural Dynamics and Earthquake Engineering.

Career opportunities
Internationally, there is great demand for graduates in this field, with expertise in structural fire safety engineering particularly sought after as performance-based design expands. All of our previous graduates are in relevant employment, with the majority working in fire teams at engineering consultancies.

Entry requirements
A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk /international/graduate-entry), typically in electrical engineering with a specialisation in signal processing and/or communications. We will also consider your application if you have a background in a related field, such as computer science, physics or mathematics. Entry into this high level programme is competitive, so we expect high grades in fundamentals, such as mathematics, signals and systems, probability and statistics, and communications and signal processing.

English language requirements
See page 20.

Fees and funding
For fees see page 20 and for funding information see page 22.

Programme contact
MSc Administrator
Tel +44 (0)131 650 7352
Email pgtenquiries@eng.ed.ac.uk

See also...
Some of our taught masters are related to those in other Schools and Colleges. You may be interested in programmes offered by the College of Medicine & Veterinary Medicine, or the Schools of Biological Sciences, Chemistry, GeoSciences, Informatics, Mathematics or Physics & Astronomy.

www.ed.ac.uk/studying/prospectus-request
Research at the School of Engineering

We offer a comprehensive range of exciting research opportunities through a choice of postgraduate degrees: PhD, EngD, MPhil and MSc by Research. We also provide a range of services to support you to develop your research project to its full potential.

Degree options

PhD
As a PhD candidate you pursue a research project under continuous guidance, resulting in a thesis that makes an original contribution to knowledge. In the School of Engineering you will be linked to two academic supervisors. If your project is industrially sponsored, you will also be linked to an industrial supervisor.

Postgraduate research students work within our six research institutes, which comprise members from our four disciplines: Chemical Engineering; Civil and Environmental Engineering; Electronic and Electrical Engineering; and Mechanical Engineering.

EngD with Integrated Study
The EngD with Integrated Study (PhD-IS) is a relatively new four-year doctoral degree with a 1+3 structure, which means you will complete one year of training, designed to develop your research capabilities, then undertake three years of PhD research. The PhD-IS is offered by the EPSRC Centre for Doctoral Training in Integrative Sensing and Measurement. It aims to equip engineers and scientists with the skills, knowledge and confidence to tackle today’s evolving issues and future challenges: goo.gl/cdeI89

PhD
This is a four-year doctoral-level research and training programme equivalent to a PhD but achieved through research, which is much more industrially focused, and designed to produce graduates who have a rounded understanding of the business implications of industrial research activity. Professional doctors are specialist qualifications aimed at professional development.

MSc by Research

An MSc by Research is based on a research project tailor-led to a candidate’s interests. It lasts one year full time or two years part time. The project can be a shorter alternative to an MPhil or PhD, or a precursor to either – including the option of an MSc project expanding into MPhil or doctorate work as it evolves. It can also be a mechanism for industry to collaborate with the School.

MPhil
The Master of Philosophy (MPhil) degree resembles a PhD but generally takes two years instead of three and does not carry the same requirement for an original contribution to knowledge. You pursue your individual research project under supervision, submitting your thesis at the end of the project.

Entry requirements
A UK undergraduate degree, or its international equivalent (www.ed.ac.uk/international/graduate-entry), in an appropriate subject, or relevant qualifications and experience. Please check the specific entry requirements for your programme online before applying.

Research support
The development of transferable skills is a key role of our careers development team is to help form industry partnerships, including the sponsoring of research, to enable the commercialisation of University intellectual property and successful technology transfer.

Business development

Every year, the School of Engineering’s Graduate School organises a Postgraduate Research Conference to showcase the research carried out by students across the research institutes. Our researchers are strongly encouraged to present their research at conferences and in journals during the course of their PhD. They are also encouraged and supported to attend transferable skills courses provided by organisations such as the Engineering and Physical Sciences Research Council (EPSRC).

Business development

PhD 3 yrs FT (6 yrs PT available for UK/EU)
MPhil 2 yrs FT (4 yrs PT available for UK/EU)
MSc by Research 1 yr FT (2 yrs PT available for UK/EU)

Research opportunities

www.ed.ac.uk/pg/873

Bioengineering

PhD

Biomedical Devices and Sensors – working with colleagues in Biomedical Devices and Sensors – working with colleagues in the School of Engineering and the University’s Institute for Academic Development to develop novel diagnostic and therapeutic devices.

Biomedical Modelling and Measurement – understanding biological systems through mathematical models and measurement.

Tissue Engineering – the production of 3D or 2D scaffolds or guidance for biological cells. Applications are largely therapeutic and also include new forms of lab-on-chip technology.

Synthetic Biology – to design and construct (e.g. to ‘engineer’) biological devices and systems, often at cellular level. Applications range from therapeutic to environmental.

Tissue Engineering – the production of 3D or 2D scaffolds or guidance cues for biological cells. Applications are largely therapeutic and also include new forms of lab-on-chip technology.

Biomedical Modelling and Measurement – understanding biological systems through mathematical models and measurement.

Business development

The University’s Centre for Bioengineering connects engineering, physical sciences and biological and medical sciences, for innovative diagnostic and therapeutic biomedical devices and technologies. Research themes include:

• Synthetic Biology – to design and construct (e.g. to ‘engineer’) biological devices and systems, often at cellular level. Applications range from therapeutic to environmental.

• Tissue Engineering – the production of 3D or 2D scaffolds or guidance cues for biological cells. Applications are largely therapeutic and also include new forms of lab-on-chip technology.

• Biomedical Modelling and Measurement – understanding biological materials through mathematical models and measurement for applications in, for example, prosthetics, prediction of failure in blood vessels and the behaviour of bone with ageing. We also study the behaviour of biological materials experimentally and in most cases, non-invasively (e.g. via Raman spectroscopy and CARS microscopy).

• Biomedical Devices and Sensors – working with colleagues in chemistry, we develop sensors on silicon for simple biological parameters (e.g. oxygen concentration) along with sensors of specific biomarkers of disease and therapy.

Contact
Tel +44 (0)131 651 7213
Email enggradoffice@ed.ac.uk

Find out more about research projects: www.eng.ed.ac.uk/postgraduate-research/projects

The Centre and its committed group of researchers have transformed the way the world regards structural design for fire.

The University of Edinburgh

Case study: Edinburgh’s research with impact

Informing the safety of iconic constructions

True fire resistance, along with an understanding of just how fires grow and spread, is key to preventing tragedies. The University’s BRE Centre for Fire Safety Engineering focuses on the two main areas of building fire safety: detection, containment and suppression of fires, and performance-based design. Over 40 years, the Centre and its committed group of researchers have transformed the way the world regards structural design for fire.

Project background
Engineering consultancy giant Arup faces the challenge of fire safety in every building project it takes on. For advice and expertise in this area, the company calls on the BRE Centre, which leads the way in innovative research and building methodologies. Drawing on the tradition of world-leading academic and practical expertise established by the Centre’s distinguished founders and teaching staff, the Centre entered into collaboration with Arup on the design of London’s Heron Tower to provide the designers with the tools they needed to analyse fire initiation, growth, and spread, and create a structural response appropriate to a large, multi-storey building with open plan compartments and a central atrium.

Project results
Without the information provided by the Edinburgh researchers, Heron Tower could not have been approved or built. The Centre’s expertise is also sought by international engineering and fire code committees including the American Concrete Institute, the British Standards Institute, and the International Council on Tall Buildings and Urban Habitat. The BRE Centre has created a new type of design consultancy in performance-based structural fire engineering, which is being applied to great advantage by major international engineering firms in UK buildings and further afield.

See more online: www.ed.ac.uk/research/impact
Digital Communications

PHD 3 yrs FT (6 yrs PT available for UK/EU)
MPhil 2 yrs FT (4 yrs PT available for UK/EU)
MSc by Research 1 yr FT (2 yrs PT available for UK/EU)

Research environment
The Institute for Digital Communications (IDCOM) is the UK’s leading research institute in signal processing and communications and is home to the Li-Fi research and development centre. We have three major centres of activity: signal-processing, communications systems and tomographic imaging. Our programme of research delivers world-leading research in signal and image processing and communications from fundamental theoretical and algorithmic work through to its translation to specific audio, imaging, radar/sonar, and communications applications. The Institute has excellent research facilities, including state-of-the-art computing systems and laboratories for agile tomography, and audio signal processing, as well as the Li-Fi research and development centre for visible light communications. Internationally recognised for our research on communications systems and signal processing, we offer research topics including: green radio; visible light communications; cognitive radio; compressive sensing; distributed sensor signal processing; and agile tomography.

IDCOM holds the only UK Research Council platform award in sensor signal processing, in collaboration with the joint research institute in signal and image processing at Heriot-Watt University, recognising our world-leading research status.

English language requirements
See page 20.

Fees and funding
For fees see page 20 and for funding information see page 22.

Contact
Tel +44 (0)131 651 7213
Email enggradoffice@ed.ac.uk

www.eng.ed.ac.uk
The University of Edinburgh
Engineering Postgraduate Opportunities 2017
**Taught professional doctorates**

Professional doctorates are specialist qualifications aimed at professional development. The School of Engineering is home to two professional doctorate programmes: one in offshore renewable energy and one in sensor and imaging systems. These training and research programmes are equivalent in standing to a conventional PhD but are aimed at students who want a research career in industry.

You will complete a broad-based, masters level training programme, then go on to carry out research while working directly with a company.

**Offshore Renewable Energy**

**EngD 4 yrs FT**

**Programme description**

The Industrial Doctoral Centre for Offshore Renewable Energy (IDCORE) is a partnership of the Universities of Edinburgh, Strathclyde and Exeter, together with the Scottish Association for Marine Science and the research association HR Wallingford. IDCORE’s four-year engineering doctorate programme is a doctoral level research and training programme, equivalent in academic standing to a conventional PhD, but achieved through research that is much more industrially focused. It is designed to produce graduates who have a sound understanding of the business implications of industrial research. EngD students follow a programme based on three elements: postgraduate-level training, transferable skills and leadership, and research.

**Programme structure**

You will spend the first two semesters attending an intensive programme of 12 taught courses, delivered by internationally renowned academic staff from the partner universities. These first two semesters provide you with the skills required to get started on your research and to succeed in an industrial environment. Practical courses teach important laboratory and fieldwork skills, while a group design project helps you develop teamwork, leadership and collaboration skills and apply your knowledge. Following this initial period of teaching, you will join a sponsoring company to work as a researcher for the rest of the programme. The industrial research is supplemented by summer schools in Oban, Wallingford and Falmouth, and online integrated studies in management, business, innovation, enterprise and entrepreneurship.

At the end of the research work you will deliver either a doctoral thesis or a portfolio of related project work that is examined for the award of an EngD in Offshore Renewable Energy, which is a joint degree from the Universities of Edinburgh, Exeter and Strathclyde.

**Funding**

An academic scholarship that covers fees and a stipend is available for suitably qualified and eligible applicants. There are normally 10 of these scholarships available for each intake of students and they are awarded competitively. Full awards (stipend and fees) are available for EU citizens who have been living in the UK for at least three years before the start of the programme. Other EU candidates are eligible for a fee-only award if they are ordinarily resident in a member state of the EU. There is a small quota of full scholarships for exceptional EU and international candidates. Applications from self-funded candidates will also be considered.

**Entry requirements**

A UK first-class honours degree, or its international equivalent (www.ed.ac.uk/international/graduate-entry). We will also consider your application if you have a UK 2:1 honours degree and an MSc degree with distinction, or their international equivalents, and substantial relevant work experience. We expect you to have a good understanding of one or more branches of science or engineering and some relevant research experience.

**Eligibility**

United Kingdom Border Agency (UKBA) regulations now mean we can accept self-funded overseas students who need a CAS for a Tier 4 Visa.

**English language requirements**

See page 20.

**Fees and funding**

For fees see page 20 and for funding information see page 22.

**Programme Director** Professor David Ingram

**Programme Administrator** Vanessa McCorquodale

Email info@idcore.ac.uk

**Sensor & Imaging Systems**

**EngD 4 yrs FT**

**Programme description**

Sensor and imaging systems (SIS) are central to modern life, and appear in fields as diverse as transport, biomedicine, agriculture and environmental monitoring. The Engineering Doctorate in Sensor & Imaging Systems is a vocational programme of leading-edge research for industry in this field. Academically equivalent to a PhD, the EngD emphasises research in a commercial environment, supplemented by masters level technical training and MBM-style business courses. Projects all have an industry sponsor and you will spend up to 75 per cent of your time working on-site with that company. EngD students, known as Research Engineers (REs), work closely with the sponsoring company, under the direction of an industrial supervisor and an academic supervisor from the University.

**Programme structure**

You will undertake two semesters of research-focused training, delivered by internationally renowned academic staff. The first semester is based in Glasgow and the second in Edinburgh. The curriculum has a substantial overlap with that of the EPHRC Centre for Doctoral Training in Integrative Sensing & Measurement and much of the training involves working together as a cohort or in smaller groups. It includes:

- the fundamentals and applications of sensor and imaging systems;
- focused practical courses on laboratory skills; and
- creatively, dissemination, advocacy, enterprise and transferable skills.

This is followed by a 40-month research project, based in a sponsoring company, and business and management courses offered by Heriot-Watt University’s Edinburgh Business School. You will normally be matched to a company and project when your offer of a place is made. Projects reflect varied applications of sensing and measurement, across a range of sensing modalities – physical, chemical, mechanical, optical and more.

**Funding**

SUITABLY qualified and residentially eligible students receive an award comprising tuition fees, an enhanced tax-free student stipend and funding to support training, conference attendance and travel. Self-funded applicants will also be considered.

**Career opportunities**

SIS meets a range of societal, research and industrial needs. Sensing is vital for advances in capability across all fields of physics, engineering and chemistry. It is enhanced when individual sensing units are configured in arrays to enable imaging or if multiple sensing functions are integrated into a single smart system. Industrial SIS applications are ubiquitous: from mass-produced sensors found in modern smart phones and automobiles to the state-of-the-art, specialist, high-value sensors routinely used in oil and gas recovery, scientific equipment, machine tools, medical equipment and environmental monitoring.

**Entry requirements**

A UK 2:1 honours degree or its international equivalent (www.ed.ac.uk/international/graduate-entry), in a relevant science or engineering discipline. Entry is competitive, so we would prefer a UK first class honours degree, or its international equivalent. In engineering, physics, chemistry or another relevant physical science. We may also consider your application if you have other qualifications or experience, or a background in another field.

**English language requirements**

See page 20.

**Fees and funding**

For fees see page 20 and for funding information see page 22.

**Programme Director** Doctor Tony Kelly (anthony.kelly@glasgow.ac.uk)

**Programme Administrator** Sian Williams, CENSIS (sian.williams@censis.org.uk)

**Edinburgh enquiries** Professor Ian Underwood (i.underwood@ed.ac.uk)
PhD with Integrated Study

This four-year doctoral programme has a 1+3 structure, which means you will complete one year of training to develop your research capabilities then three years of PhD research. It is carried out in the EPSRC Centre for Doctoral Training in Integrative Sensing and Measurement (CDT-ISM), which aims to equip engineers and scientists with the skills, knowledge and confidence to tackle today’s evolving issues and future challenges.

Integrative Sensing & Measurement

Programme description
Sensing and measurement are fundamental scientific abilities that impact all aspects of modern life and have revolutionised areas as diverse as transport, biomedicine, agriculture and environmental monitoring. This PhD with Integrated Study is a four-year doctoral degree with a 1+3 structure, which means you will complete one year of training, designed to develop your research capabilities, then undertake three years of PhD research. The PhD is carried out within the EPSRC Centre for Doctoral Training in Integrative Sensing and Measurement (CDT-ISM).

The CDT is supported internationally by a range of universities, research labs, and companies offering support and collaboration, including Selex, Thales, ST Microelectronics and Optos.

Programme structure
We offer one year of research-focused training, delivered by internationally renowned academic staff. The first semester, based in Glasgow, focuses on fundamentals and the second semester, based in Edinburgh, focuses on applications. You will develop the skills necessary to be effective and to prosper in a research environment. Much of the training involves working together as a cohort or in smaller groups. It includes:

• the fundamentals and applications of sensor and imaging systems;
• focused practical courses on laboratory skills; and
• creativity, dissemination, advocacy, enterprise and other transferable skills.

This is followed by a mini research project and then a 36-month PhD project. Project opportunities reflect the varied applications of sensing and measurement, across a wide range of sensing modalities such as physical, chemical, mechanical, optical and more.

Placements
International and UK placements are available with our partner institutions, which include the Universities of Twente, Stanford, Caltech, Duke and Tokyo, and the Fraunhofer Institute and the National Physical Laboratory.

Career opportunities
Sensing and measurement underpin a vast range of societal, research and industrial needs. Sensing is essential for advances in capability across all fields of physics, engineering and chemistry. It is enhanced when individual sensing units are configured in arrays to enable imaging and when multiple sensing functions are integrated into a single smart system. Industrial applications of sensing and measurement are ubiquitous: from mass-produced sensors found in modern smart phones and every modern automobile to the state-of-the-art, specialist high-value sensors routinely used in oil and gas recovery, scientific equipment, machine tools, medical equipment and environmental monitoring. The CDT programme is intended to equip you for career directions including academia, research, industry and beyond.

Entry requirements
A UK 2:1 honours degree or its international equivalent (www.ed.ac.uk/international/graduate-entry), in a relevant science or engineering discipline. Entry is competitive, so we would prefer a UK 2:1 honours degree supported by an MSc degree, or a UK first class honours degree, or their international equivalents, in engineering, physics, chemistry or another relevant physical science. We may also consider your application if you have other qualifications or experience, or a background in another field.

English language requirements
See page 20.

Fees and funding
For fees see page 20 and for funding information see page 22.

Funding
Scholarships that cover fees and a stipend are available for suitably qualified and eligible applicants. There are typically 13 of these scholarships available for each annual intake of students and they are awarded competitively. Applications from self-funded candidates will also be considered.

Programme contact
CDT Administrator
Tel +44 (0)131 650 7815
Email cdtism-administrator@eng.ed.ac.uk

By joining our School you will follow in the footsteps of some of engineering’s most pioneering individuals.
Facilities and resources

From supercomputing to structural testing, the facilities for your postgraduate studies at the School of Engineering are among the best in the world.

Unique resources
We have computing facilities unique to the UK, including the Edinburgh Parallel Computing Centre (EPCC), a leading European centre for research, and the silicon fabrication capabilities of the Scottish Microelectronics Centre (SMC), which also has extensive ‘class 10’ cleanrooms and provides rare access to tools for processing 300mm silicon wafers. The SMC has strong links with industry and spin-out activity, generating annual turnover of more than £1 million.

State-of-the-art facilities
The SIE Centre for Fire Safety Engineering hosts bespoke equipment to support groundbreaking research and consultancy with precisely controlled high temperatures and the latest image analysis techniques. The recently refurbished Structures Test Hall is our state-of-the-art lab for testing large and unusual assemblies. We have state-of-the-art lab facilities for developing and testing non-destructive evaluations and material handling technologies. We also have a smart infrastructure lab and a good range of environmental engineering testing resources for the water and waste management sectors.

New investment
Our £6.5 million Industrial Doctorate Centre in Offshore Renewable Energy is a new facility that will train 50 engineering doctorate students over nine years in all aspects of offshore renewable energy. The University’s leadership in low carbon energy has been further enhanced by a £9 million investment in the FloWave Ocean Energy Research Facility for wave and tidal devices.

We have £10 million support for Doctoral Training Centres in Offshore Renewable Energy and Integrated Sensor Systems.

Collections of the University
The University of Edinburgh has one of the world’s great collections, which has been growing ever since its foundation in 1583. Our collections include rare books, archives and manuscripts, art, historical musical instruments and a wide range of museum objects from geological specimens to anatomical models. If laid out end to end, we would have almost 60 kilometres of shelving and storage space devoted to our heritage material, from 1st-century Greek papyrus fragments to new works of sculpture. This is curated by specialist staff across 45 sites and used for our teaching and research and by the wider public community.

The Centre for Research Collections in the Main Library is the hub for all our collections, where specialist curators make them available for study, research and pleasure. Postgraduate students are welcome to study original objects and have made many important research discoveries while working on the archives. You will find an incredible range of material in our collections that is available nowhere else in the world.
Community

Our graduate community is large and diverse, composed of 100 academics and more than 350 postgraduate students representing more than 50 nationalities. Our research spans a wide spectrum of modern engineering and we are equipped with state-of-the-art resources, keeping us at the forefront of our research fields.

**Unique partnerships**
- UK Centre for Carbon Capture and Storage;
- Centre for Biomedical Engineering at Edinburgh;
- Centre for Materials Science and Engineering;
- Centre for Science at Extreme Conditions;
- Scottish Mechanotransduction Consortium;
- Edinburgh Materials Microanalysis Centre.

In addition, postgraduate students can draw on the unique Edinburgh Research Partnership in Engineering and Mathematics (ERPem), a research consortium involving the University of Edinburgh, Heriot-Watt University and Edinburgh Napier University.

More information: [www.erp.ac.uk](http://www.erp.ac.uk)

**Pioneering people**

From telephone inventor Alexander Graham Bell to geologist James Hutton, the University of Edinburgh has produced many leading lights in the field of science and engineering.

By joining our School you will follow in the footsteps of some of engineering’s most pioneering individuals. Our staff, students and alumni have a long tradition of making a vital contribution to contemporary living. Inventor of the cable car Fleeming Jenkin was Professor of Engineering at the University during the 19th century, and William Rankine, a key contributor to the science of thermodynamics, was educated at Edinburgh.

In more recent times, the late Sir James Hamilton – one of our graduates – was responsible for the wing design on aviation icon Concorde. Professor Stephen Salter, who is based at the School as an Emeritus Professor, is widely considered a pioneer in the field of wave energy (Salter’s Duck is featured on the prospectus cover), while Harald Haas, Chair of Mobile Communications, has attracted international interest with his ‘Li-Fi’ invention. He was named one of the UK’s 10 RISE leaders in the Engineering and Physical Sciences Research Council’s 2014 awards Recognising Inspirational Scientists and Engineers.

Our entrepreneurial engineers have also made significant contributions to modern gadgets, such as the iPod and the camera phone. The Institute for Integrated Micro and Nano Systems (IMNS) holds the world record for producing the smallest colour TV screen – just 3.86x2.88mm.

**Employability and graduate attributes**

With our excellent employability record and international reputation, the University of Edinburgh is a strong choice for developing your engineering career. Whether you are looking to make your mark in industry, consultancy or academia, or develop a business venture of your own, we offer a number of services to help you fulfil your ambitions and make the most of your time here.

**Institute for Academic Development**

All postgraduate students can benefit from our Institute for Academic Development (IAD), which provides information, events and courses to develop the skills you will need throughout your studies and in the future. IAD events also offer the perfect opportunity to meet and network with other postgraduates from across the University.

Further information is available online: [www.ed.ac.uk/iad/postgraduates](http://www.ed.ac.uk/iad/postgraduates)

For taught postgraduates, IAD provides a popular study-related and transferable skills support programme. It is designed to help you settle into postgraduate life, succeed during your studies and move confidently to the next stage of your career. We offer on-campus and online workshops and one-to-one study skills consultations, plus online advice and learning materials. Workshops and learning resources cover key topics tailored to different academic stages, including getting started with your studies; critical reading, writing and thinking; managing your exams; and planning for and writing up your dissertation.

IAD also provides a comprehensive programme of transferable skills training, resources and support for researchers completing a doctorate. The workshop programme is designed to help you successfully prepare for the various milestones of your PhD, from getting started with your research, to writing up and preparing for the viva. Workshops cover topics such as writing skills, reference management tools, statistics, preparing for conferences, delivering presentations, time and project management, and personal development. IAD also offers online resources and planning tools to help get your research started, plus support for tutoring and demonstrating and research public engagement and communication.

**Careers Service**

Our Careers Service plays an essential part in your wider student experience at the University, offering world-class careers and personal development guidance and support. We support you to recognise the wealth of possibilities ahead, while at university and after graduation, helping you explore new avenues, tap into your talents and build your employability with confidence and enthusiasm.

The Service provides specialist support for postgraduate students. From exploring career options to making decisions, from CV writing to interview practice, from Employ.ED internships to graduate posts and from careers fairs to postgraduate alumni events, we help you prepare for the future.

We sustain and continually develop links with employers from all industries and employment sectors, from the world’s top companies to small enterprises, from the world’s top universities to start ups and from careers fairs to postgraduate alumni events, we help you prepare for the future. We also offer the perfect opportunity to meet employers on campus and virtually, a programme of opportunities for you to meet employers on campus and virtually, and advertises a wide range of part-time jobs.

The University of Edinburgh is a strong choice for developing your engineering career. Whether you are looking to make your mark in industry, consultancy or academia, or develop a business venture of your own, we offer a number of services to help you fulfil your ambitions and make the most of your time here.

**Back ing bright ideas**

LAUNCH.ed is the University’s award-winning programme for student entrepreneurs. Each year, LAUNCH.ed works with hundreds of students to assess their ideas and develop their business skills and helps many start their businesses. We have helped Edinburgh students and alumni launch almost 100 new businesses in the last three years, ranging from language tuition to robotics companies.

More information: [www.LAUNCH.ed.ac.uk](http://www.LAUNCH.ed.ac.uk)

**Research support**

We encourage our researchers to gain experience and skills through presenting research via formal outlets such as journals or conferences throughout the duration of your programme. Research students may also have access to courses offered by other organisations such as the EPSRC.

More information: [www.LAUNCH.ed.ac.uk](http://www.LAUNCH.ed.ac.uk)

**One of our exciting spin-out companies has pioneered fast wireless data streaming using lightbulbs.**

[www.purelif.co.uk](http://www.purelif.co.uk)
Applications and fees

We have an online application process for all postgraduate programmes. The system gives full instructions, including details of any supporting documentation you need to submit, such as references, degree transcripts or research proposals.

When applying, you will set up an account, which lets you save your application and continue at another time. Full guidance on our application system is available at: www.ed.ac.uk/postgraduate/applying

General requirements

Our usual entrance requirement for postgraduate study is a UK 2:1 honours degree, or its international equivalent (see www.ed.ac.uk/international/graduate-entry), in engineering, chemistry, biosciences, geosciences, physical sciences or mathematics. You will also need to meet the University’s language requirements (see right).

Entry requirements for individual programmes can vary, so check the details for the specific programme you wish to apply for.

Our selection process for PhD programmes is competitive. Experience working within your chosen field can be beneficial, but an MSc is not always required for entrance to doctorate degree studies.

References

For applications to taught programmes, the normal requirement is one reference, although an additional reference may be requested in individual cases. For applications to research programmes, two references are required. You should check online for exact requirements for your intended programme of study. For general guidance on references, visit: www.ed.ac.uk/postgraduate/references

Deadlines

Some programmes have application deadlines. Please check online for details. For all other programmes, you are encouraged to apply no later than one month prior to entry to ensure there is sufficient time to process your application. However, earlier application is recommended, particularly where there is a high demand for places or when a visa will be required. Should you wish to submit a late application, please contact us for guidance. If you are applying for funding, in most cases you will need an offer to study with us before you can make your funding application.

English language requirements

Students whose first language is not English must show evidence of one of the qualifications below.

- IELTS Academic: total 6.5 (at least 6.0 in each module).
- TOEFL-iBT: total 92 (at least 20 in each module).
- PTE(A): total 61 (at least 56 in each of the Communicative Skills sections).
- CAE and CPE: total 176 (at least 169 in each module).
- Trinity ISE: ISE II (with distinctions in all four components).

Please note:

- English language requirements can be affected by government policy so please ensure you visit our degree finder to check the latest requirements for your programme: www.ed.ac.uk/postgraduate/degrees
- Your English language certificate must be no more than two years old at the beginning of your programme.
- We also accept recent degree-level study that was taught and assessed in English in a majority English-speaking country (as defined by UK Visas & Immigration).

Abbreviations: IELTS – International English Language Testing System; TOEFL-iBT – Test of English as a Foreign Language Internet-based Test; PTE(A) – Pearson Test of English (Academic); CAE – Certificate of Proficiency in English; CPE – Certificate in Advanced English; Trinity ISE – Integrated Skills in English.

www.ed.ac.uk/english-requirements/pg

Tuition fees

The following table provides an overview of indicative fee levels for programmes commencing in 2017.

Figures marked * show the fee level set for the 2016/17 academic year. All other figures are indicative of expected fee levels for your studies during the 2017/18 academic year. Because these figures are indicative, it is important you check online before you apply and check the up-to-date fee level that will apply to your specific programme: www.ed.ac.uk/student-funding/tuition-fees/postgraduate

Please note:

- International students starting full-time taught programmes of study lasting more than one year will be charged a fixed annual fee.
- All other students on full-time and part-time programmes of study lasting more than one year should be aware that annual tuition fees are subject to revision and are typically increased by approximately five per cent per annum. This annual increase should be taken into account when you are applying for a programme.
- In addition to tuition fees, your programme may be subject to an application fee and additional costs/programme costs may apply. Please check the latest programme information online.

Tuition fees for EU students

EU students enrolling in the 2017/18 academic year – and possibly the following academic year – will be admitted as Scottish/EU fee status students and are eligible for tuition fee support from the Student Awards Agency for Scotland (SAAS).

Future changes to the fee status of EU students enrolling in the 2017/18 academic year will depend on the timing and terms of the UK’s exit from the European Union and would also require changes to existing UK and Scottish legislation. Current indications are that the UK would leave the EU at the earliest in 2019 so any changes would not take effect before the academic year 2019/20.

The University is working with the Scottish Government to try to protect the fee status of EU students enrolling in the 2017/18 academic year for the duration of their course. However there is a risk that EU students enrolling in the 2017/18 academic year may become subject to international tuition fees for any years of study which follow the UK exit from the EU. In those circumstances we are committed to working with the Government to ameliorate the impact of that change for individual students.

The Scottish Government has already confirmed that the fee status of existing students and students enrolling in the 2016/17 academic year will remain unchanged for the duration of their studies.

For UK/EU students

<table>
<thead>
<tr>
<th>Programme</th>
<th>Annual fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taught programme 1-year FT</td>
<td>£10,800</td>
</tr>
<tr>
<td>Taught programme 2-years FT</td>
<td>£5,400</td>
</tr>
<tr>
<td>MSc by Research 1-year FT</td>
<td>£7,400</td>
</tr>
<tr>
<td>MSc by Research 2-years FT</td>
<td>£3,700</td>
</tr>
<tr>
<td>All other research programmes FT</td>
<td>£4,121*</td>
</tr>
<tr>
<td>All other research programmes PT</td>
<td>£2,061*</td>
</tr>
</tbody>
</table>

* Figure shown is the 2016/17 fee level

For international students

<table>
<thead>
<tr>
<th>Programme</th>
<th>Annual fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taught programme 1-year FT</td>
<td>£21,700</td>
</tr>
<tr>
<td>MSc by Research 1-year FT</td>
<td>£25,700</td>
</tr>
<tr>
<td>All other research programmes FT</td>
<td>£19,100</td>
</tr>
</tbody>
</table>

* Figure shown is the 2016/17 fee level

All other fees quoted are indicative of 2017/18 fee levels. Because these figures are indicative, it is important you check online before you apply and check the up-to-date fee level that will apply to your specific programme: www.ed.ac.uk/student-funding/tuition-fees/postgraduate
Funding

A large number of scholarships, loans and other funding schemes are available for your postgraduate studies. For further information on applications and eligibility, please visit: www.ed.ac.uk/student-funding/postgraduate

Scholarships at the University of Edinburgh

- **Beit Trust**: Beit Trust and the University of Edinburgh Scholarships jointly fund postgraduate students from Malawi, Zambia and Zimbabwe to undertake a masters: www.beittrust.org.uk
- **China Scholarships Council/University of Edinburgh Scholarships (China)**: A number of scholarships for PhD study to candidates who are citizens and residents of China: www.ed.ac.uk/student-funding/china-council
- **Commonwealth Shared Scholarship Scheme**: Two scholarships open to applicants from a developing Commonwealth country undertaking study on eligible one-year Masters programmes within the School of Engineering: www.ed.ac.uk/student-funding/commonwealth-shared
- **Edinburgh Global Research Scholarships**: These scholarships are designed to attract high-quality international research students to the University: www.ed.ac.uk/student-funding/global-research
- **Edinburgh Syrian Postgraduate Scholarships**: A number of scholarships are available to postgraduate students from Syria studying a full-time one-year masters: www.ed.ac.uk/student-funding/postgraduate/syria

- **Engineering International Masters Scholarships**: Scholarships are available to students accepted on a full-time masters degree: www.ed.ac.uk/student-funding/postgraduate/eng-masters
- **Highly Skilled Workforce Scholarships**: A number of scholarships are available to UK nationals permanently domiciled in Scotland, and to EU nationals domiciled either on mainland EU or in Scotland, who have been accepted on an eligible full- or part-time masters programme. The scholarships, which are funded by the Scottish Funding Council and subject to annual confirmation, cover the UK/EU tuition fee: www.ed.ac.uk/student-funding/hsw
- **Julius Nyerere Masters Scholarships (Tanzania)**: One scholarship is available to citizens of Tanzania who are normally resident in Tanzania who are accepted on a full-time masters programme: www.ed.ac.uk/student-funding/nyerere
- **MasterCard Foundation Scholars Programme (Africa)**: A number of scholarships for applicants who are residents and citizens of a Sub-Saharan African country will be available for eligible masters programmes. The scholarships cover full tuition fees and expenses for accommodation and maintenance for African scholars with few educational opportunities: www.ed.ac.uk/student-funding/mastercard

Research council awards

Research councils offer awards to masters, MPhil and PhD students in most of the Schools within the University of Edinburgh. All postgraduate applications from the research councils must be made through the University, through your School or College office. Awards can be made for both taught and research programmes.

Normally only those UK/EU students who have been resident in the UK for the preceding three years are eligible for a full award. For some awards, candidates who are EU nationals and are resident in the UK may be eligible for a fees only award. www.ed.ac.uk/student-funding/research-councils

The University also offers a number of scholarships in partnership with the following overseas government agencies:

- **Chile**: National Commission for Scientific and Technological Research (CONICYT): www.conicyt.cl
- **Colombia**: Administrative Department of Science, Technology and Innovation (Colciencias): www.colciencias.gov.co
- **Ecuador**: Secretaria Nacional de Educacion Superior, Ciencia y Tecnologia (SENESCYT): www.educaucionuperior.gob.ec
- **Iraq**: Ministry of Higher Education and Scientific Research: www.mohesr.gov.iq
- **Mexico**: National Council of Science and Technology of the United Mexican States (CONACYT): www.conacyt.mx
- **United States**: The Fulbright Scholarships (USA) are available to outstanding US students wishing to study at any US university for at least two years: www.fulbright.org

- **Postgraduate Loans (PGL)**: Available to students from England, undertaking a taught or research masters can apply to Student Finance England for a loan of up to £10,000 towards fees or maintenance costs: www.gov.uk/postgraduate-loan

- **Postgraduate Loans (SAAS)**: Scottish and EU

- **US Student Loans**: The University is eligible to certify loan applications for US loan students. Full details on eligibility and how to apply can be found online: www.ed.ac.uk/student-funding/us-loans

Other sources of funding

- **Chevening Scholarships**: A number of partial and full funding scholarships are available to one-year masters students: www.gov.uk

- **Commonwealth Scholarships**: Scholarships available to students who are resident in any Commonwealth country, other than the UK: www.gov.uk/cscuk

- **Erasmus+**: An Erasmus+ loan supports students accepted for a masters programme in an Erasmus+ country. For more information: http://ec.europa.eu/education/opportunities/higher-education/masterloans_en.htm

- **Postgraduate Loans (PGL)**:

- **Postgraduate Loans (SAAS)**: Scotland and EU

- **US Student Loans**: The University is eligible to certify loan applications for US loan students. Full details on eligibility and how to apply can be found online: www.ed.ac.uk/student-funding/us-loans
The School of Engineering is based at the Sanderson Building on the King’s Buildings campus. The campus is around two miles from Edinburgh city centre and is well served by buses, including a free University shuttle service during semester time.

Campus map

We are here!
The School of Engineering (Sanderson Building)

Detailed maps can be found at: www.ed.ac.uk/maps

Get in touch

Contact us
For more information about MSc programmes at the School of Engineering contact:
MSc Administrator
School of Engineering
Fadatay Building
Colin Maclaurin Road
The King’s Buildings
Edinburgh EH9 3DW
Tel +44 (0)131 650 7352
Email pgtaught@eng.ed.ac.uk

For more information about applying for our research programmes, contact:
The Graduate School
School of Engineering
Sanderson Building
Robert Stevenson Road
The King’s Buildings
Edinburgh EH9 3FB
Tel +44 (0)131 651 7213
Email enggradoffice@ed.ac.uk

To discuss your research proposal, please contact potential supervisors. Details can be found at the Research institutes’ web pages, via www.eng.ed.ac.uk/postgraduate

For information about the taught professional doctorate contact:
Industrial Doctoral Centre for Offshore Renewable Energy
IDCORE office
Sanderson Building
Robert Stevenson Road
The King’s Buildings
Edinburgh EH9 3FB
Tel +44 (0)131 651 9023
Email info@idcore.ac.uk

For general enquiries contact:
Director of Teaching
Stephen Warrington
Email s.w.warrington@ed.ac.uk

Director of Research
Professor Jason Reese
Email jason.reese@ed.ac.uk

Visit us
The University’s Postgraduate Open Day is your opportunity to come and meet current staff and students. Our next campus based Open Day takes place on Wednesday 16 November 2016. For more information, visit: www.ed.ac.uk/postgraduate-open-day

The University also runs online information sessions for prospective postgraduate students throughout the year. For more information, visit: www.ed.ac.uk/postgraduate/online-events

In addition, the School of Engineering runs virtual visits for taught MSc programmes throughout the year, and we invite all applicants to these. Those who have yet to apply should contact the MSc Administrator for more details. Prospective research students wishing to visit should contact the Graduate School.
Drawn to EDINBURGH by our world-class university

You are in good company. More than 35,000 of the world’s brightest minds study here. Learn more at www.ed.ac.uk

Illustration by:
Katy Wiedemann, MA Illustration student

The front cover shows Salter’s Duck, a device for converting wave power into electricity. Invented at the University in 1974 by Professor Stephen Salter, the device is still regarded as one of the most efficient wave power designs. Professor Salter is now Senior Honorary Professorial Fellow in the School of Engineering.

#drawntoedinburgh

This publication is available online at www.ed.ac.uk/postgraduate and can be made available in alternative formats on request. Please contact communications.office@ed.ac.uk or call +44 (0)131 650 2252.