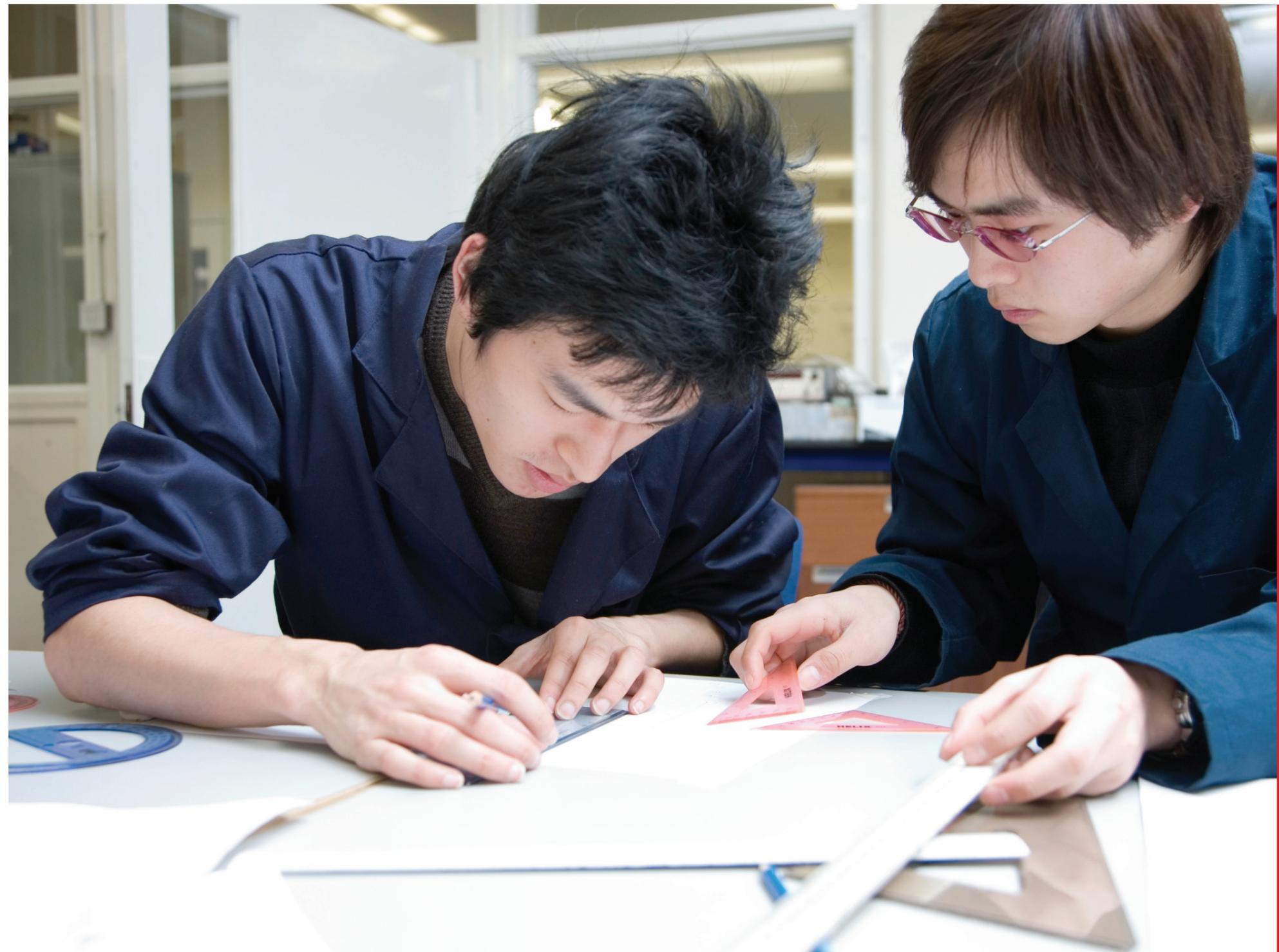




Programmes Guide:

Undergraduate - 2+2 Bachelor of Engineering (BEng)

Postgraduate - 4+1 Master of Science (MSc)



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Introduction

The School of Engineering at The University of Edinburgh has an agreement with several Chinese universities which allows students to study engineering.

At undergraduate level students can study for two years in China and then transfer to The University of Edinburgh to complete a further two years of study. On successful completion of the 4th year at Edinburgh, the students graduate with a Bachelor of Engineering degree awarded by The University of Edinburgh. Students may also be eligible for the award of a bachelor degree from their University in China.

This is known as a “2+2” agreement.

At postgraduate level students can study for four years in China and then transfer to The University of Edinburgh to undertake a one year programme of study at Masters level. On successful completion of this programme at Edinburgh, the students graduate with a Master of Science degree awarded by The University of Edinburgh.

This is known as a “4+1” agreement.

This Agreement is currently in place with the following seven universities, but more may be added in due course:

- Dalian University of Technology (Dalian)
- The Liaoning Shihua University (Fushun)
- Nanjing Aeronautics and Astronautics University (Nanjing)
- North China Electric Power University (Beijing)
- South China University of Technology (Guangzhou)
- Tianjin University (Tianjin)
- Xiamen University (Xiamen)

Where is Edinburgh and what is it like there?

Scotland

Scotland, together with England, Wales and Northern Ireland, makes up the United Kingdom. It is 600 kilometres north of London (approximately 1 hour by plane or 4.5 hours by train). There are easy flight connections to China via London, Frankfurt, Istanbul, Paris or Amsterdam.

Scotland enjoys mild winters and warm summers, and has some of the most unspoiled scenery in Europe. With only 10% of the UK population and 33% of the land, there are plenty of wide open spaces to explore.

City of Edinburgh

Edinburgh is the capital of Scotland, and has a population of 500,000. However, it attracts over 2 million tourists every year, thanks to its historic centre and beautiful location. It is situated on the river Forth in the east of Scotland, and it is easy to visit the beaches and mountains for which Scotland is famous. Edinburgh is regularly voted one of the top places to live in the UK.

Accommodation

The University guarantees a place in university accommodation for all students from out with the city for the first year of study, provided that you apply by the deadline.

There are many choices of university accommodation, from student self-catering flats to fully catered residences. All of the accommodation is either a short walk or bus ride from the city centre and the university. You will spend most of your two years studying on the Science and Engineering campus, which is about 10 minutes by bus from the city centre, but there is plenty of student accommodation nearby.



Why should I study at The University of Edinburgh?

Reputation of the university

The University of Edinburgh, situated in the capital city of Scotland, is one of the six "ancient" universities in the UK, and was founded in 1583. The University of Edinburgh is consistently ranked as one of the world's top 50 universities.

In 2015, the University was ranked 21st in the world in the QS World University Rankings. It is also one of the largest universities in the UK, with nearly 34,000 students. For most of its history, the University of Edinburgh has had a reputation for attracting students from all over the world, and currently has over 8,000 international students from 140 countries. At present there around 1,600 students from China studying at the University of Edinburgh.

The University of Edinburgh offers over 300 degree programmes, from Arts and Humanities, Science and Engineering, to Law and Medicine. It also has over 60% of all Scotland's top researchers.

A degree from the University of Edinburgh is recognised across the world.

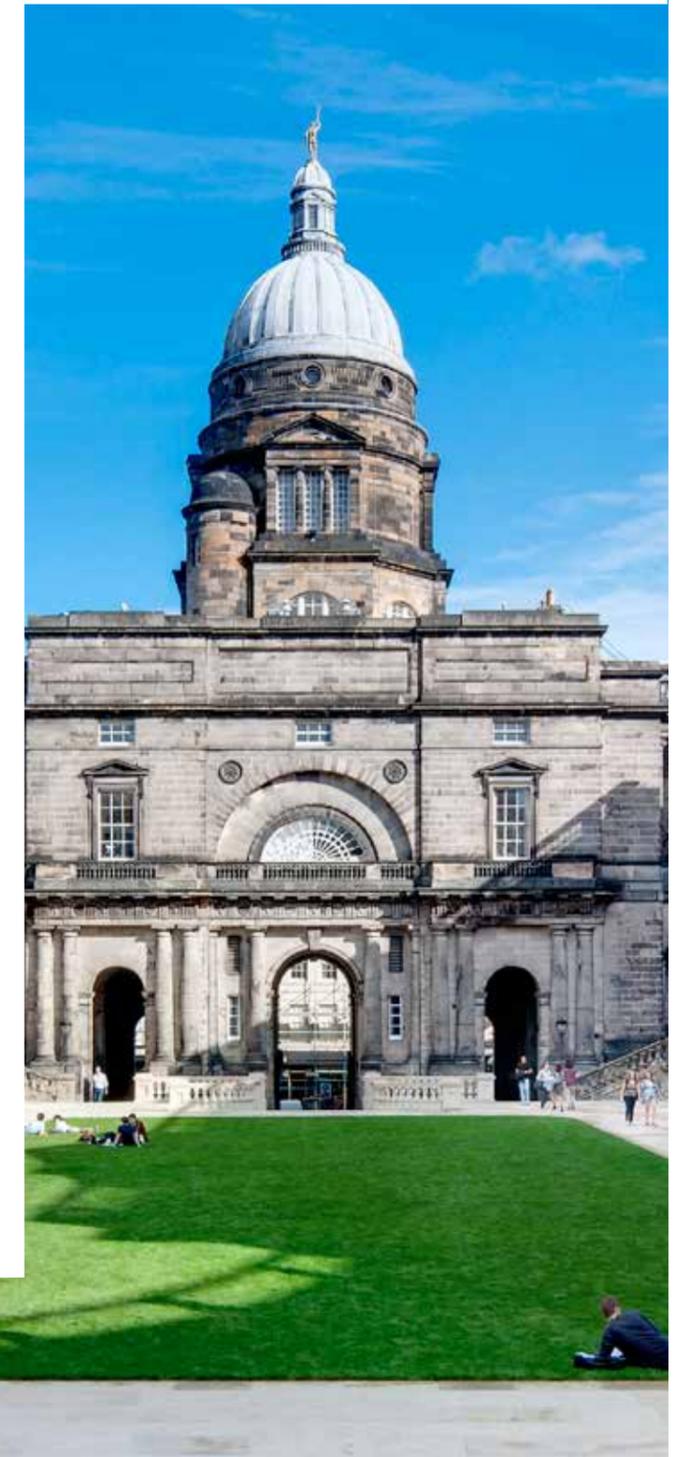
Reputation of the School of Engineering

The School of Engineering is part of the College of Science and Engineering within the University, which is one of the largest science and engineering groupings in the UK. The College has over 7,500 students, over 900 academic staff and over 500 support staff, and is situated on its own campus just outside the city centre.

The University of Edinburgh and Heriot-Watt University obtained outstanding results in REF2014 for the Edinburgh Research Partnership in Engineering (ERPE). 94% of our overall research activity is world-leading or internationally excellent. This, combined with the number of academic staff involved, makes Edinburgh the UK powerhouse in Engineering.

Prospects after you graduate

A degree from The University of Edinburgh is recognised throughout the world and is valued very highly by employers.



What can I study at The University of Edinburgh - 2+2 programmes?



Before choosing one of our Bachelor of Engineering (BEng) programmes of study, you should find out if the programme of study you are taking in China fits in with ours. If you are in doubt, please ask.

Chemical Engineering

- Chemical Engineering
- Chemical Engineering with Management

Civil and Environmental Engineering

- Civil Engineering
- Structural and Fire Safety Engineering
- Structural Engineering with Architecture

Electronics and Electrical Engineering

- Electronics and Electrical Engineering
- Electronics
- Electronics and Electrical Engineering with Management
- Electronics and Electrical Engineering (Communications)
- Computer Science and Electronics
- Electronics and Software Engineering
- Electrical Engineering with Renewable Energy

Mechanical Engineering

- Mechanical Engineering
- Mechanical Engineering with Management
- Mechanical Engineering with Renewable Energy
- Electrical and Mechanical Engineering

All our degrees are accredited by the relevant UK professional institutes, including the Institution of Engineering and Technology (IET – previously the Institution of Electrical Engineers), the Institution of Chemical Engineers, the Institution of Mechanical Engineers, the Institution of Civil Engineers and the Institution of Structural Engineers. These institutions ensure that our teaching is of the highest quality and our engineers are trained for the demands of the worldwide marketplace.

How much will it cost? 2+2 programmes

Fees

Tuition fees for the 2+2 programme for academic year 2016/17 will be £20,050 and they will be subject to annual revision. It is important to remember that, compared to other overseas students, you will only have to pay fees for two years rather than four.

Accommodation

The rates below relate to the 2014 – 2015 academic year and are for guidance only. The accommodation costs vary a little, but as a guide, a place in university catered accommodation will cost between £165 - £242 per week on a 37-week lease, with options for shared rooms available from £118 per week. This includes your accommodation and all your meals (except weekday lunches) A place in self-catered accommodation ranges from, £85 - £133 per week on a 38-week lease, with shared rooms available from £57 per week.

University accommodation rents include all utility bills; personal contents insurance; data network facilities which provide access to the University's intranet and telephone service and support from the Residence life team. Cleaning and housekeeping varies according to the location and type of accommodation offered but usually includes all common areas, stairs etc. within the University premises.

Living expenses

Information on the cost of living in Edinburgh for a typical academic year can be found on our university website- <http://www.ed.ac.uk/studying/international/finance>.

Of course, these calculations will vary according to your lifestyle.

Scholarships

All Chinese students who take part in the 2+2 scheme are eligible for a £2,500 scholarship per year. (Approx £1 = 10 Yuan.)

I am thinking of applying. What do I need to do now?

Programmes for which we have 2+2 agreements

You should check that what you are studying in China matches with a degree programme at The University of Edinburgh. You can find out more about our degrees on our website, but if you would like more information, please contact us.

Scores needed in 1st and 2nd year courses in China

We will make a decision to accept you, based on what you have studied, how well you have performed, how well your course matches to one of ours, and on your English language ability. We do not have a list of specific courses and required scores.

English language requirements

Before we can accept your application, you need to pass an IELTS test with a score of at least 6.0 with a minimum of 5.5 in each section.

Start planning now

- If you are interested in applying for entry in 2016, you should start planning now. Discuss everything with your parents and family, as well as your course tutors. The earlier you start planning, the easier it is to make all the arrangements in time.
- Look at our courses and ask for any further information you need.
- Concentrate on improving your English, as one of the staff from the School of Engineering will visit your university in March/April 2016 to interview you.
- Contact your International Office for more information.

How do I apply to study at Edinburgh? 2+2 Programmes

Applying for the 2+2 programme

If you want to apply for our 2+2 programme, the application process is different from the normal application to study in the UK. If you are in 2nd year now, tell your International Office that you would like to apply, and your International Office will contact us with a list of potential applicants.

Interviews

Someone from the School of Engineering will interview you in China in March/April 2016. This interview will be in English, and will test your knowledge of the engineering discipline you are studying, as well as your language ability.

After your interview

We will ask for your application documents before the interview. If you are successful at the interview, we will inform you as soon as possible and our admissions team will start processing your application documents. Our admissions team will then send you a "Record of Prior Acceptance" (RPA). This means that we can give you an offer of a place, but note that if you are applying by this route you cannot apply for any other university in the UK.

IELTS score

Remember that you must have achieved an IELTS score of 6.0 with a minimum of 5.5 in each section by the time you apply.

Receiving an offer

If you meet all these requirements (academic, interview and minimum language), we will make you an Unconditional Offer. This means that we are offering you a definite place to study with us, and we will send you a letter to confirm your place. This letter allows you to start applying for a visa. You will also be given a UCAS reference number. Normally, all students who want to study in the UK apply through UCAS (Universities and Colleges Admissions Service), and are given a UCAS number when they apply. As you are applying through us instead, we will send you your UCAS number. This will allow you to see your

application on-line, and UCAS will contact you directly to give you a formal offer of a place.

The letter from us contains important information about how to apply for the pre-session English language courses, accommodation, pay fees, and so on. Please read it carefully and make sure you follow the instructions in plenty of time.

Late Applications

Late applications are not normally considered for 2+2 programmes.



What do I do after I have been offered a place? 2+2 Programmes

Visa

You must apply for a visa to come and study in the UK. The offer letter from us will enable you to start the application process. Your International Office will be able to advise you on how to do this. Further information relating to visa requirements can be found at www.ukvisas.gov.uk

English Language courses

After we have offered you a place, it is a requirement that you arrive in Edinburgh in the middle of August in order to attend the intensive English language courses at the English Language Teaching Centre (ELTC) at The University of Edinburgh. These last for 4 weeks before the start of semester, and are as follows:

Course 1: "English for Undergraduate Study" (4 weeks)

Course 2: Once you begin your Engineering studies, you will also be expected to study an English course designed for Engineering students to ensure your English is to a sufficient standard. These courses must be completed in order to progress to 4th year of your chosen degree programme.

Accommodation during the English Language courses

As part of our agreement with your home University, we will organise accommodation for you to stay in during your pre-session courses. We are likely to pay for this up front and then deduct the cost from your scholarship award.

Pre-session Engineering courses

During your English language course, you will also be given Engineering lectures which will cover any gaps in your knowledge and they will be beneficial in demonstrating to you the teaching approaches used at the University of Edinburgh.

Studying

It is important to remember that you will be expected to cope with all the lectures, tutorials and labs as soon as you start studying with us. We will help you with your language studies and any extra tutorials before the start of semester, but after that you are expected to perform in the same way as other students. We have degree exams in December, so it is important to start studying hard as soon as you arrive. We do not make any extra allowances for overseas students in exams; you will be treated in exactly the same way as all other students.

Accommodation during semester

For your first year of study with us, you may apply for university student accommodation as soon as you have been given an unconditional offer. You can apply online at The University Accommodation Services website: www.accom.ed.ac.uk. You will be guaranteed a place in accommodation, provided that you apply by the published deadline. Full details, including how to pay, are given on the Accommodation website.

Fees

You must be prepared to pay the university fees at the start of semester. Full details will be given to you by our Registry team once you start your studies.

What can I study at The University of Edinburgh - 4+1 programmes?

Taught Master of Science(MSc) Programmes

The 4+1 programme is available to 4th year students who will complete their Bachelor degree in China, and who then wish to undertake a one-year postgraduate Master's programme at the University of Edinburgh.

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

Five MSc programmes are offered under the 4+1 partnership agreement:

Electronics

This programme offers distinct specialisation areas in electronics: analogue VLSI design, 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 prototyping laboratories, 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.

www.ed.ac.uk/pg/669

Signal Processing & Communications

This programme provides graduates and working professionals with a broad training in signal processing and communications. It is suitable for recent graduates who wish to develop the specialist knowledge and skills relevant to this industry and is also suitable as advanced study in preparation for research work in an academic or industrial environment or in a specialist consultancy organisation. Engineers or other professionals wishing to participate in the MSc programme may do so on a part-time basis. Our students gain a thorough understanding of theoretical foundations

as well as advanced topics at the cutting edge of research in signal processing and communications, including compressive sensing, deep neural networks, wireless communication theory, and numerical Bayesian methods. The MSc project provides a good opportunity for students to work on state-of-the-art research problems in signal processing and communications.

www.ed.ac.uk/pg/20

Sustainable Energy Systems

This internationally renowned degree, based within a world-leading renewable energy research group, equips graduates and professionals with a broad and robust training. Wind, marine and solar energy technologies are covered, as well as the wider environment in which they fit, including: resource assessment; energy production, delivery and consumption; efficiency; sustainability; economics, policy and regulation; and grid/off-grid systems. In addition, our MSc students actively engage in research as part of their dissertation projects either within the Institute for Energy Systems or with industry, with some joining our PhD community afterwards. This programme is affiliated with the University's Global Environment & Society Academy.

www.ed.ac.uk/pg/22

Structural & Fire Safety Engineering

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 behaviours. 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

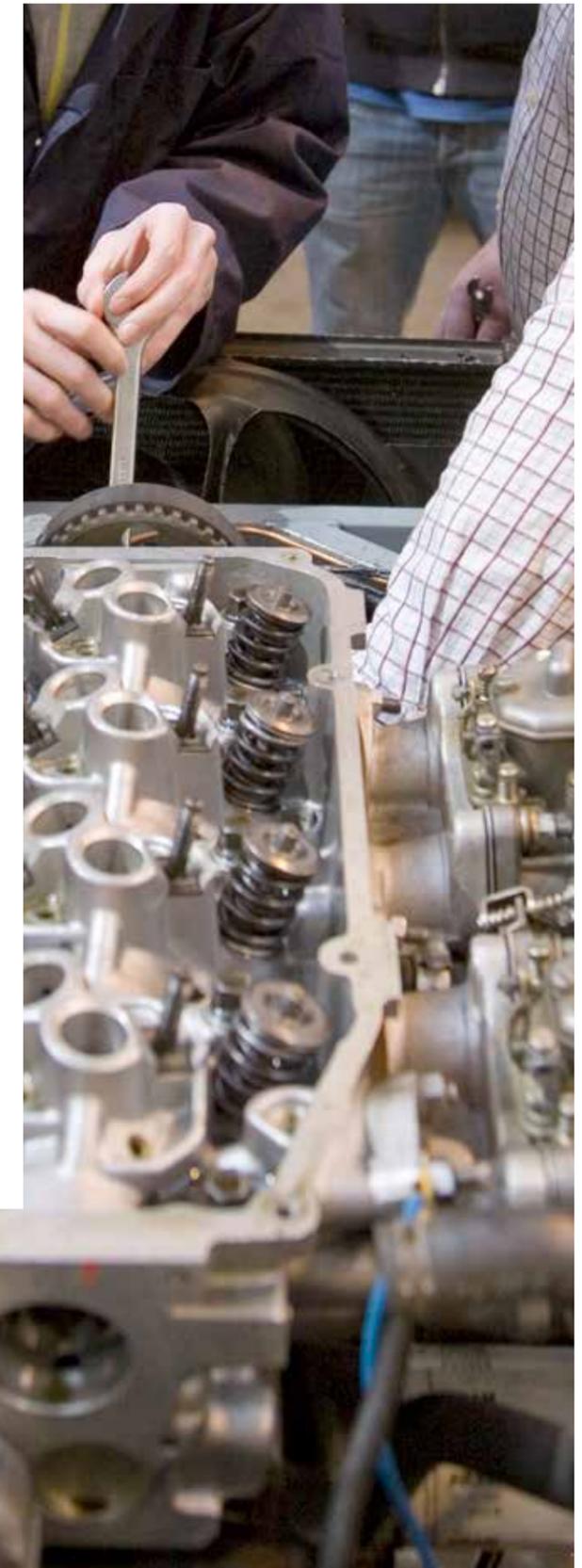
equipment to support groundbreaking research and teaching, with combined thermal and mechanical loading and use of the latest image analysis techniques.

www.ed.ac.uk/pg/423

Advanced Chemical Engineering

(subject to Approval)

Starting Autumn 2016, the School of Engineering at the University of Edinburgh will be offering a master's degree in Advanced Chemical Engineering. The programme spans a wide variety of topics from the fundamentals on a molecular scale to applications and processes, and is advised by an Industrial board of Experts. From carbon capture to sustainable water resources, from alternative energy technologies to advanced pharmaceutical processes, chemical engineers address the frontiers of important global challenges. A one year programme at the University of Edinburgh will immerse you in the most current developments in these fields through a combination of taught modules, workshops, a research dissertation and a number of supporting activities, with a particular emphasis on multi-scale approaches to chemical engineering from nano-scale to process scale. A unique feature of the programme is a strong involvement of the chemical engineering industry. The programme is advised by an Industrial Board, while summer research dissertation projects are formulated and co-advised by industrial partners, with topics ranging from computational fluid dynamics for medical applications to carbon capture and storage to continuous manufacturing for the pharmaceutical industry.



How much will it cost? 4+1 programmes

Fees

Tuition fees for the 4+1 Masters programme for academic year 2015/16 are £21,350 which will be subject to annual revision for 2016/17.

Accommodation

The postgraduate accommodation is based across a number of sites, typically located within a short walk or bus ride from the centre of Edinburgh and with many being close to key University buildings and facilities. The rates below relate to the 2014 – 2015 academic year and are for guidance only.

The weekly rents, based on a typical 51 week lease, will be in the range £96 – £141 per week and relate to self-catered flats or residences. Some rooms have shared bathroom facilities and some are en-suite.

Shared twin room are also available with rents starting at £78 per week.

University accommodation rents include utility costs; personal contents insurance; data network facilities and support from the Residence Life team. Cleaning and housekeeping vary according to the location and type of accommodation offered but usually include all common areas, staircases etc. within our premises.

Living expenses

Information on the cost of living in Edinburgh for a typical academic year can be found on our university website- <http://www.ed.ac.uk/studying/international/finance>.

Of course, these calculations will vary according to your lifestyle.

Scholarships

All Chinese students who take part in the 4+1 scheme are eligible for a £2,500 scholarship per year. (Approx £1 = 10 Yuan.)



I am thinking of applying. What do I need to do now? 4+1 programmes

Applying for the 4+1 programme

Thoroughly explore the website to identify your preferred programme of study. Feel free to contact the Student Recruitment Officer to discuss your application.

If you are in 4th year now, tell the International Office that you would like to apply.

Entry requirements

Minimum entry requirements are the equivalent of a UK 2:1 degree in a relevant discipline. 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).

Interviews

We will ask for initial application documents before the interview. You will be interviewed by someone from the School of Engineering in China in March/April 2016. This interview will be in English, and will test your knowledge of the engineering discipline you are studying, as well as your language ability. If your English language level is below the requirements for entry then options

for attending pre-sessional English classes will be explored at interview

After your interview

We will inform you as soon as possible after the interview if your application can progress to the next stage. If successful, you will be required to make an application through our online application system for all postgraduate programmes. The system gives full instructions, including details of any supporting documentation you need to submit, such as references, degree transcripts etc.

Receiving an offer

You will receive a Conditional Offer for your Master's programme which will be converted to an Unconditional Offer when you meet the conditions. The conditions are normally the completion of your Bachelor degree in China and/or English Language Certificate.

Visa

Once you receive your Unconditional Offer you must apply for a visa.

Late Applications

Late applications may still be considered for 4+1 programmes. Contact your International Office immediately if you wish for a late application to be considered.



Further Information

Useful websites:

- The University of Edinburgh: www.ed.ac.uk
- Information for International Students: <http://www.ed.ac.uk/studying/undergraduate/international/>
- School of Engineering: www.eng.ed.ac.uk
- English Language Teaching Centre: <http://www.ed.ac.uk/schools-departments/english-language-teaching>
- Information on Fees at The University of Edinburgh: <http://www.registry.ed.ac.uk/Fees/UGFees.htm>
- Universities and Colleges Admissions Service (UCAS): www.ucas.com
- Undergraduate Degree Programmes: <https://www.eng.ed.ac.uk/undergraduate/engineering-degrees>
- Postgraduate Degree Programmes: <https://www.eng.ed.ac.uk/postgraduate/degrees/msc-taught/>

Checklist

- If you are thinking of applying, start to plan now
- Inform your International office of your interest
- Work out which degree programme you are interested in studying undergraduate or postgraduate at Edinburgh
- Start preparing for your IELTS test
- Be prepared for an interview in March 2016
- If successful, apply directly to us
- Apply for a visa as soon as you can
- Register for the English language courses at The University of Edinburgh
- Prepare to pay fees for English language courses and university fees
- Book accommodation for start of university

Contact details

Student Recruitment Officer
School of Engineering
Faraday Building
King's Buildings
Mayfield Road
Edinburgh EH9 3JL

Email address: international@eng.ed.ac.uk
Tel: 0131 650 7352

