WORLD CHANGERS WELCOME

STUDY IN GLASGOW
Summer 2018
School of Engineering

THE TIMES
THE SUNDAY TIMES
GOOD UNIVERSITY GUIDE 2018
SCOTTISH UNIVERSITY OF THE YEAR
Kelvingrove Park sits on the banks of the River Kelvin next to the University and includes five bowling greens, four tennis courts, a skateboard park and the open-air Kelvingrove Bandstand.
Established in 1451, the University of Glasgow is one of the ancient Scottish universities and the fourth oldest English speaking university in the world. We are a member of the Russell Group, the UK equivalent to the Ivy League in the United States. Many influential figures have worked or studied here, including the father of economics, Adam Smith, physicist and engineer Lord Kelvin, engineers James Watt and William Rankine, and the pioneer of television, John Logie Baird.

We are very pleased to welcome you as a University of Glasgow student to our Summer School Programme. This year you have a choice of two courses in the School of Engineering. The first is open to students in any year, and is a 10 credit academic programme designed to develop your depth of knowledge in the growth area of solid state lighting. If you are moving from 3rd year to 4th year, we also offer a 15 credit research project designed to enhance your research skills and enable you to gain knowledge within a specialised field.

Both Summer School courses give you an opportunity to experience the academic and social life at the University of Glasgow, which you may find helpful if you are considering studying the 2+2 programme or applying for postgraduate study at Glasgow. During the programme you will also join social and cultural activities to give you a full Scottish experience while enjoying student life in one of Europe’s most exciting cities!
DISCOVER SCOTLAND

As well as having a world-renowned education system and more world-class universities per head of population than anywhere else in the world, Scotland has lots to offer. With Glasgow as a base, you’ll be in the ideal location to explore the length and breadth of the country. From spectacular scenery and adventure sports to breathtaking castles and some of the world’s best-loved cultural festivals, there are plenty of attractions to experience.

Neighbouring cities
Glasgow’s location in the Central Belt makes it easy to explore Scotland’s other cities. Whether you fancy checking out the world’s largest arts festival in Edinburgh, uncovering Scotland’s finest concentration of historic buildings in Stirling, or even trying to catch sight of the Loch Ness Monster near Inverness, you’ll be well placed to tour our beautiful country.

Loch Lomond
Magnificent Loch Lomond is the focal point of Scotland’s first national Park and is the largest land-locked body of water on the UK mainland. Located just 40 minutes from Glasgow, it’s a popular day-trip destination thanks to the various opportunities for water sports, fishing, golf, walking, hiking and camping.

Outdoor activities
If you fancy exploring on foot, there are trails, routes, hill climbs and mountain adventures to suit walkers of all levels. Scotland’s iconic Munros (mountains over 3,000 feet) offer many rewarding opportunities to explore some of the most beautiful and remote habitats in Europe.

Culture and architecture
Scotland has a thriving arts and culture scene, from its eclectic range of theatre and dance to its captivating arts and literary scene. Architecture fans are spoilt for choice with Scotland’s rich legacy of striking and unique architecture. There are plenty of architectural gems to discover such as castles and Victorian tenements, right up to the cutting-edge designs of today such as the iconic Clyde Auditorium, known locally as ‘the Armadillo’.

Beaches
As part of an island, Scotland is surrounded by plenty of beautiful beaches, many of which have won awards from Keep Scotland Beautiful and the world organisation Blue Flag. Whether you decide to take part in watersport activities or just go for a relaxing walk, keep your eyes peeled for marine life in the waters and seabirds flying overhead.

Parks and gardens
Scotland is home to a wide variety of stunning parks and gardens in the cities, countryside and castle grounds. Discover exotic species in one of Scotland’s many botanic gardens, enjoy the tranquillity of city parks or stroll in the gardens of ancient castles.

Find out more
For more information on Scotland, check out visitscotland.com

The Edinburgh Festival is the world’s largest arts festival.
With a wealth of cultural attractions, impressive architecture, fantastic shopping and a year-round programme of world-class events, it is easy to understand why Glasgow is firmly established as one of Europe’s most exciting destinations. As the UK’s fourth-largest city and one of the world’s top student destinations, Glasgow has loads to offer you.

Getting around
It’s easy to travel around Glasgow. Whether you choose to walk, take the bus or use the subway, our subway system is the third oldest in the world and is known locally as ‘the Clockwork Orange’. It connects our main campus in the West End to the city centre in under 10 minutes.

Shopping
It’s no surprise that Glasgow is consistently voted the top place to shop in the UK outside London. The city’s huge retail centre has a ‘style mile’ containing big-name shops like Topshop and the Apple Store, as well as designer outlets and chic vintage boutiques.

Sports
Following our successful hosting of the 2014 Commonwealth Games, our sports facilities have never been better. From the Chris Hoy Velodrome and national football stadium Hampden Park, to an indoor snowboard and ski slope (with real snow) and ice arena, you’ll be spoilt for choice.

Culture
For culture vultures, the city is home to more than 20 world-class museums and art galleries, and is proud to have Europe’s largest civic arts collection with works by Dali, Van Gogh, Degas and Monet all available to view free-of-charge in venues around the city.

Eating out
The city’s fantastic range of restaurants and cafés reflects its diverse population. Whether you’re after an amazing Asian kitchen that’s open until 2.30am, a scoop of the creamiest Italian ice cream, or a plate of haggis, neeps and tatties – Scotland’s national dish – Glasgow won’t disappoint. Many businesses offer student discounts too.

Nightlife
As the UK’s first UNESCO City of Music, Glasgow is host to around 100 music events every week. From catching global superstars at the 13,000-capacity SSE Hydro, to local indie bands at legendary King Tut’s, Glasgow caters for all music tastes. Glasgow’s nightlife is unrivalled, with the city boasting more than 700 bars, pubs and nightclubs and seven cinemas, including the tallest in the world. There’s also an impressive mix of theatres, comedy clubs and even themed cabaret clubs.

Find out more
peoplemakeglasgow.com
The development of blue and UV light-emitting diodes (LEDs) has launched a revolution in commercial and residential lighting - the creation of unique lighting displays as well as a replacement of compact fluorescent light bulbs as the "green" source of light. Improvements in efficiency and reliability of organic LEDs should dramatically increase the design of innovative lighting solutions. The drive to develop solid state lighting, as LED-based lighting is called, has stimulated research in areas directly related to the production of efficient light sources: phosphors, power electronics, thermal management systems, and optical systems. During the course, you will learn about the science behind light generation, explore the ways in which white light is created using LEDs and apply some of the associated technologies to develop your own solid state lighting design. Through a combination of lectures, laboratory experiments, guest speakers and tours, you will gain the fundamental science and engineering concepts employed in this rapidly developing field.

The programme is full time. The academic programme is scheduled for four days each week. The programme will be taught via a combination of lectures, labs and industry visits. On the one day free each week in the academic programme, cultural activities will be arranged for you either on campus, or as excursions to destinations such as Stirling Castle and Loch Lomond.

*Please note that the programme is worth an additional 10 UofG credits. It will be included on your final transcript but it will not be considered as part of your degree.

What is included?

- Full tuition and academic support
- University accommodation on a self-catering basis
- Welcome and orientation
- 2 company visits during the programme
- 1 full day and 1 half day cultural excursion
- 2 social events

Information will be provided for weekend and evening activities in Glasgow and around Scotland.
**THE PROGRAMME: RESEARCH PROJECT FOR GLASGOW COLLEGE, UESTC STUDENTS**

23rd July – 24th August 2018

Open to students who are completing Year 3 in the Glasgow College UESTC. As part of the application process, students must select a project from the list of research projects provided.

We are delighted to be able to waive the fee for this course for Year 3 students currently studying in Glasgow on the 2+2 programme.

The School of Engineering has an integrated research structure of sufficient scale to tackle global engineering challenges. It has world-class and unique research facilities, internationally established research leaders, a strong postgraduate research population, and a culture of innovation and enterprise. During this summer research experience, you will have the opportunity to contribute to the School’s reputation of high quality research by conducting a project under the guidance of some of our researchers. You will be introduced to the research methodologies used in an area at the leading edge of engineering technology and communicate the results to your peers, post-graduate students, and academic staff. You will be able to explore various fields within EEE during your research project and as you learn about the work that others are conducting. By the end of the summer, you will have developed valuable skills and knowledge, as you complete your degree and move into the next stage of your engineering career.

Examples of project titles from the previous year of this programme include “Design and Test Wearable Accelerometers”; “Human Activities Classification Based on Wearable Sensor”; and “Emotion Recognition from Speech”.

This programme is full time. It is expected that students will be actively involved in their research projects and associated tours, visits and social events for approximately 30 hours per week. The programme will be taught via a combination of 1-on-1 supervision, lectures, labs and industry visits.

*Please note that the programme is worth an additional 15 UoG credits. It will be included on your final transcript but it will not be considered as part of your degree.

What is included?

- Full tuition and academic support
- University accommodation on a self-catering basis
- Welcome and orientation
- 2 company visits during the programme
- 1 full day and 1 half day cultural excursion
- 2 social events

Information will be provided for weekend and evening activities in Glasgow and around Scotland.
YOUR GLASGOW EXPERIENCE

Accommodation and living costs
You will stay in university accommodation close to where you will attend classes on campus.

You will be accommodated in either an individual or twin room shared with another member of your group.

The apartments have a shared living/kitchen area and bathroom. The accommodation is self-catering (meals are not provided). The kitchen area is equipped with cookers, fridge/freezers, microwaves, kettles and toasters. There are supermarkets available in the local area. All rooms have access to the internet. Laundry facilities are available on site.

You can use your student card for discounted rates on meals and snacks across the catering facilities on campus.

Useful information can be found here:
glasgow.ac.uk/services/residential/services
glasgow.ac.uk/international/support/costofliving

Travel and orientation
You will need to arrange travel from Chengdu to Glasgow to arrive the weekend before your chosen course begins. You will be provided with an invitation letter from the University of Glasgow for use in your visa application.

On arrival in Glasgow, there will be orientation activities arranged to ensure you know your way around campus and the local area during your stay. You will also be provided with pre-arrival information and a welcome pack detailing all the practical information you will need during your time in Scotland.
HOW TO APPLY

Applications must be received to join the summer programmes by Friday 9th March 2018.

The fee for the Solid State Lighting two week programme is £1800 per student.

The fee for the five week research programme is £2600 per student.

You will need to consider the cost of your travel and living costs in addition to the programme fee. Accommodation will be provided based on arriving the Saturday prior to and departing the Saturday following your chosen course.

For more information, please contact: glasgow@uestc.edu.cn