

the
ENGINEERING
ACADEMY



University of
Strathclyde
Glasgow



WHAT IS THE ENGINEERING ACADEMY?



The Engineering Academy is a unique access route in to university and employment. It is a collaboration between the University of Strathclyde, partner colleges and industry which will deliver a pathway to a range of engineering degrees in the University's leading Faculty of Engineering.

The first year of the Engineering Academy is taken as an enhanced HNC programme at one of the partner colleges. Students who achieve the required performance are guaranteed direct progression into one of our undergraduate degree programmes offered within the Engineering Academy by the following Faculty of Engineering departments*:

- [Biomedical Engineering](#)
- [Chemical & Process Engineering](#)
- [Civil & Environmental Engineering](#)
- [Design, Manufacture & Engineering Management](#)
- [Electronic & Electrical Engineering](#)
- [Mechanical & Aerospace Engineering](#)
- [Naval Architecture, Ocean & Marine Engineering](#)

* For the most up-to-date course information please see our website www.strath.ac.uk/engineering/studywithus/engineeringacademy/



“Students will have the opportunity to apply for industry-funded scholarships and paid summer placements during the course of their undergraduate programme. This could

offer them specific mentoring and professional development with the sponsoring company, as well as enhanced future employment prospects.

We are committed to providing access to people from the widest possible range of backgrounds and the launch of the Engineering Academy allows us to continue to grow our already significant work in this area.

The degree programmes offered within the Academy will be boosted by hands-on practical experience. This will ensure graduates entering the workforce will have the enhanced professional and vocational skills that industry is seeking in technological sectors critical to Scotland's economic success.

The ultimate destination of entrants into the Engineering Academy will be a high-quality job in engineering. This is an initiative that will have a real impact on engineering in Scotland and ensure that the graduates of the future are well placed to help Scottish industry compete in the global marketplace.”

Professor Sir Jim McDonald

Principal and Vice-Chancellor of the University of Strathclyde

YOU WILL BE A UNIVERSITY OF STRATHCLYDE STUDENT



As a student in the Engineering Academy you will be a registered student of the University of Strathclyde while you are studying in one of the partner colleges during the first year. This will give you full access to Strathclyde facilities, just like any other Strathclyde student.

You will have electronic access to Strathclyde students' learning and teaching facilities and the Virtual Learning Environment called MyPlace. You will also have student membership of the University library, allowing you to access over a million electronic books, make use of the large collection of computers, and study in the dedicated student areas located throughout the five floors.



You will also have student membership of the University's Students' Association and Strathclyde Sport our new state-of-the-art gym, allowing you to fully embrace university life, meeting new people and embarking on new activities at the University.

Each student will have an Academic 'Counsellor' from within the University's Faculty of Engineering. This person will become your specific contact within the Faculty and will facilitate on-going communication with the University whilst you are attending college. They will provide information and guidance relating to university life and study and will be your first point of contact if you have any questions or problems during your studies.

A number of events and additional classes will be delivered at the University during your first year to assist with the transition from college to university. These classes and events will mean that you will become familiar with university life prior to progressing onto the university degree.



Michael Spiers

Mechanical Engineering with
Materials Engineering



I had not achieved what I would have hoped in my Higher Maths and Physics. This was a big blow to my aspirations of studying Mechanical Engineering at the University of Strathclyde as the BEng course stipulated that an A in these subjects was a must. The Engineering Academy presented an alternative route to the highly sought after MAE department at Strathclyde that I could pursue. On top of this, the opportunity to work in industry throughout the degree appealed to me. The Engineering Academy looked like the place to be in terms of transitioning smoothly from full-time education to a career in the sector.”

Michael is now working with GeoSea as an offshore Project Engineer based in Belgium.



Ammarah Tanveer

Production Engineering and
Management



I absolutely believe that by going to college as my first year of University prepared me for the increased workload and deadlines that we were given during University. The transition from high school to University would have been difficult however, by going through college first I was able to understand and begin to work towards the demands that were expected of a student.”

Ammarah is now working with Lenovo as a Global Supply Chain Engineer.

KEY BENEFITS

The Engineering Academy offers students a number of benefits, both professionally and financially. You will have opportunities to apply for:

- Financial support from Year 2 onwards via company sponsorships.
- Paid summer placements with sponsoring companies, between Year 2 and 3, and Year 3 and 4, allowing you to put theory into practice and gain experience of working in real industry situations. The continuous contact with your sponsor company ensures you have an enhanced CV, giving you an extra edge in today's competitive job market.



—
Madeline Campbell

[Mechanical Engineering](#)



I am most grateful for the Engineering Academy for giving me the opportunity to prove that I was academically capable of getting onto and succeeding in my desired degree course. It motivated me to study and improve my grades throughout university. I realised not to accept that any exam result has the power to stop me from achieving my goals and that if I really wanted something there would always be a way to work towards it.”

Madeline is now working with Samsung as a Product Management Executive.

ENTRY REQUIREMENTS

We typically ask for four Highers at BBBC which must include Maths and Physics*. In addition Chemical Engineering requires Higher Chemistry at B and Biomedical Engineering requires Biology or Human Biology.

We want to increase opportunities for people from every background and we select based on merit, potential and ability to succeed. Certain applicants may be eligible for a lower offer and our minimum entry requirements are BBCC.

Please search 'widening access' at www.strath.ac.uk for more information.

* Engineering Science may be considered by some departments

We are happy to consider applications from candidates who are considering applying through alternative routes. The Scottish Wider Access Programme (SWAP) entry route is an alternative way of meeting the minimum entry requirements for the Engineering Academy.

A SWAP Programme prepares you for entry into Higher Education and can lead to a place at a college or university, if you complete the programme successfully. SWAP Access Programmes are one year full-time courses and are run at colleges across Scotland. You can find more information about SWAP, including how to apply, on their website

www.scottishwideraccess.org/west



HOW DOES THE ENGINEERING ACADEMY WORK?



The first year of the Engineering Academy programme is undertaken as an enhanced HNC programme within one of our partner colleges. The curriculum for the HNC programme has been designed in consultation with the participating departments at the University. Three separate HNC programmes have been developed to allow students to progress to the participating departments at the University:

HNC Chemical Engineering allows you to progress to Year 2 of the BEng Hons Chemical Engineering degree.

HNC Electronics allows you to progress to Year 2 of the BEng Hons Electronic & Electrical Engineering degree.



HNC General Engineering allows you to progress to Year 1 of the BEng Hons Biomedical Engineering degree and Year 2 of the following degrees:

- BEng Hons Civil Engineering
- BEng Hons Civil and Environmental Engineering
- BEng Hons Product Design Engineering
- BEng Hons Manufacturing Engineering with Management
- BEng Hons Sports Design Engineering
- BSc Hons Product Design and Innovation
- BEng Hons Mechanical Engineering
- BEng Hons Naval Architecture and Marine Engineering
- BEng Hons Naval Architecture with High Performance Marine Vehicles
- BEng Hons Naval Architecture with Ocean Engineering

In order to progress to the second year of your chosen degree programme (or first year for BEng Biomedical Engineering), students are required to:

- Complete and pass all of the units of the HNC curriculum and obtain an A in the Graded Unit
- Attend and complete Engineering Skills DR1V34
- Attend and complete all activities delivered at the University during Year 1

the
ENGINEERING
ACADEMY

EDUCATION PARTNERS



www1.ayrshire.ac.uk



www.cityofglasgowcollege.ac.uk



www.forthvalley.ac.uk



www.glasgowclyde.ac.uk



www.glasgowkelvin.ac.uk



www.nclanarkshire.ac.uk



www.westcollegescotland.ac.uk



www.scottishwideraccess.org

APPLICATION PROCESS

How can I apply for the Engineering Academy?

All applications for the Engineering Academy should be made via UCAS. The UCAS code for the Engineering Academy is OBRT. There is no need for you to complete a separate application for the HNC programme delivered within the college.



How is my application assessed and when will I know if I am being offered a place on the Engineering Academy?

Once you submit your application to UCAS, it will be forwarded electronically to the University and the Engineering Academy will receive a copy. You will be contacted by the Engineering Academy to confirm receipt of your application and we will also ask you at that point for your preferred discipline of engineering.

No decision will be taken on your application until all of the applications have been received via UCAS and you will be advised via e-mail of when you should expect to receive a decision on your application.

Once the applications for the Engineering Academy have been assessed, a decision will be uploaded to UCAS for each application. If you are not being offered a place on the Engineering Academy, an ‘unsuccessful’ decision will be uploaded to UCAS and you will be informed of this. If you are offered a place on the Engineering Academy, you may be offered either an unconditional place on the programme or a conditional offer.

If you receive an unconditional offer, you have already met the entry requirements, so if you wish to accept the place, you can do this via UCAS and your place on the programme is guaranteed.

If you receive a conditional offer, this will tell you what conditions you have to meet in order to get your place on the programme confirmed. For most people, this means achieving certain grades in SQA examinations and your place will not be confirmed until such times as the SQA results are known and confirmation has been received that you have met the conditions set.



Applicants will be able to access all offers being made to them via their UCAS account. The UCAS system will also provide information on the date when any offers have to be accepted or declined – please ensure you respond to all offers by this date.

Applicants should note that during certain times of the academic year, the UCAS system may be unavailable for applicants to accept/decline offers – this is likely to be when examination results have been published and are being uploaded to the system. Again, information on dates when the system will be unavailable will be given on the UCAS website.



FREQUENTLY ASKED QUESTIONS

Which college will I be attending during the first year of the programme?

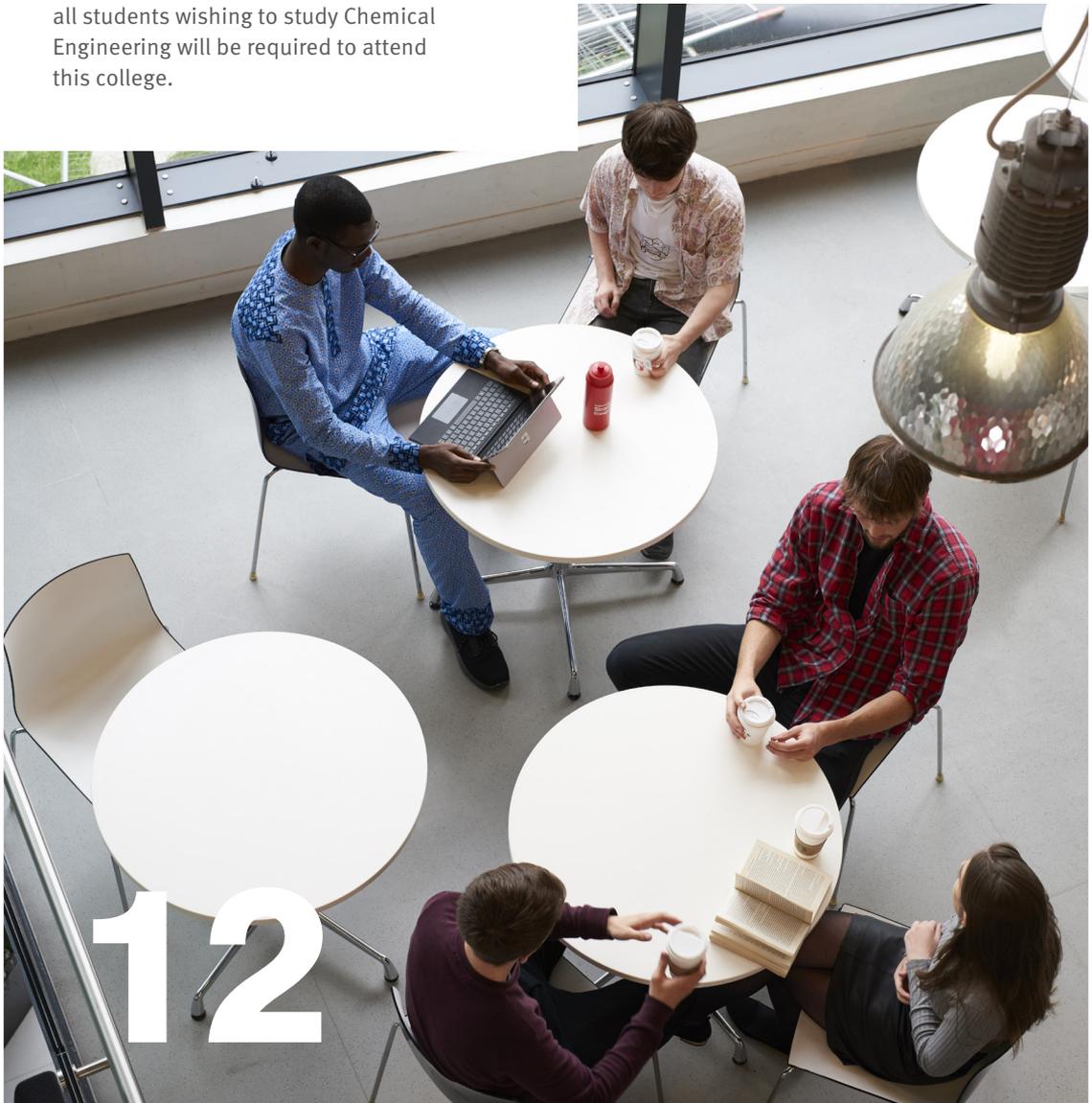
The college that you will attend for the first year of the programme will be dependent upon which degree programme you wish to transfer to. Upon receipt of your application, you will be contacted by the Engineering Academy to ascertain your preferred discipline of engineering, and any offer of a place on the Engineering Academy will also contain details of the college where you will be expected to complete the first year of the programme.

For students wishing to study Chemical Engineering, the HNC programme is only available at Forth Valley College and all students wishing to study Chemical Engineering will be required to attend this college.

What do I need to achieve during the first year to enable me to progress to the Strathclyde degree programme?

In order to progress to the second year of your chosen degree programme (or first year for the BEng Biomedical Engineering) students are required to:

- Complete and pass all of the units of the HNC curriculum and obtain an A in the Graded Unit
- Attend and complete Engineering Skills DR1V34
- Attend and complete all activities delivered at the University during Year 1





When should I apply for SAAS funding?

The deadline for applications for SAAS funding will be given on the SAAS website: www.saas.gov.uk

For the first year of the programme, you should apply for SAAS funding using your college's programme details as the college will be responsible for reporting your registration and attendance for this year. You will be forwarded all of the information that you will require to submit your application for SAAS funding.

Can I apply for accommodation on the University campus?

As an Engineering Academy student, you are eligible to apply for accommodation on the University of Strathclyde campus. Applications should be made using the Accommodation Application Form link at: www.strath.ac.uk/studywithus/accommodation

Further information on the types of accommodation available, costs, etc. can also be found at the above link.

INDUSTRY INVOLVEMENT



A wide range of employers across Scotland and further afield have partnered with the Engineering Academy to provide sponsorships and work placements for students. Some of the employers who have partnered and offered placements are Alexander Dennis Ltd, Babcock Marine and Technology, Balfour Beatty, GeoSea DEMA, INEOS, Land Engineering, MWAVES, SPT, Star Refrigeration and Wabtec.



—
Lee Turnbull

Product Design Engineering



I worked for Boxergy while at the same time developing a fitness product and starting my own design consultancy, Boxergy are an energy storage solution provider, and my company is in its infancy however my product has won Scottish edge wild card and is a runner up in the converge creative challenge, Hopefully I will win this as well. The funding will pay for me to visit my new business partner in San Diego to legally finalise the partnership and begin production of the product.”

Lee has now launched his own company Turnbull Design Engineering.

OUR CAMPUS

Gallery of Modern Art



Buchanan Street



Merchant City



Glasgow Green



In the heart of the city, our campus is a short walk from two mainline railway stations and the Subway to help you get around the city – and to visit the rest of the UK.

Merchant City
Home to lively bars, restaurants and concert venues.

Glasgow Green
Oldest of the city's 90 parks and green spaces.

Gallery of Modern Art
Offering exhibitions, library, café and a shop.

Buchanan Street
Glasgow's style mile offering the best of high-street and designer shopping.



Campus Guide

1. Royal College Building
2. Technology and Innovation Centre
3. Learning and Teaching Building
4. Students' Union
5. Strathclyde Institute of Pharmacy and Biomedical Sciences
6. Strathclyde Business School
7. Strathclyde Sport
8. Andersonian Library
9. Lord Hope Building
10. James Weir Building
11. Campus Village
12. McCance Building

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www.strath.ac.uk
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