University of Strathclyde Engineering

Department of Chemical & Process Engineering

Work with us

How can we support your business?

The Department of Chemical & Process Engineering at the University of Strathclyde offers access to highly skilled experts and facilities in areas such as:

- Sustainability
- Electrochemical Engineering & Catalysis
- Adsorption & Porous Materials
- Particles Engineering
- Scholarship of Teaching and Learning

We have a long track record in delivering distance learning programmes; strong links with industry via knowledge transfer partnerships, employer events and advisory boards; as well as a thriving student placement programme offering access to talented students and graduates.

Whether you're developing a new product, improving processes, or exploring new markets, Strathclyde offers practical, accessible support designed with SMEs in mind. From expert consultancy and joint research projects to access to cutting-edge facilities and funding advice, we work alongside you to unlock new opportunities and deliver lasting impact.

Your Business Objectives

- Idea development or problem to solve
- Compete with similar companies
- Find the right people for your team
- Make connections for growth

Our Solutions

- Access to expertise & state-of-the-art facilities
- Sponsor student projects, scholarships, prizes & internships
- Upskill *via* tailored Continuous Professional Development (CPD) programmes
- Collaborate through research, funding bids & innovative projects

For more information, please contact: chemeng-ke@strath.ac.uk

How to engage

Programme	What is it?	How does it work?
Undergraduate Projects	Industry engagement forms a key part of our teaching and research activity. Each year our undergraduate and postgraduate taught students look to engage in industrial projects.	Our industrial placement scheme enables companies to select final year MEng students to work on a defined project at the company site for 3–6 months
Co-Funded PhD and Research Collaborations	Industry partners help define a research challenge or opportunity and contribute towards funding for projects lasting 3-4 years.	A long-term way to recruit high-calibre graduates and build in-house R&D capability. Focuses on lower-technology readiness level research, providing access to specialist expertise and facilities including a network of academic and industry collaborators.
PhD@Work	For those currently employed wishing to carry out research on a particular topic/challenge relating to their field of activity and expertise. PhD@Work enables a company employee to conduct R&D and gain a PhD over 4–5 years on a part-time basis.	Candidates will spend a significant amount of their working time on a PhD project, co-created with their employer and academics at Strathclyde, ideally focussed on challenges relevant to them and their company.
Knowledge Transfer Partnerships (KTPs)	Government co-funded projects lasting 1–3 years, designed to deliver company growth through a new product or service. Each KTP involves a three-way collaboration between your organisation, the university, and a recently qualified graduate (known as a KTP Associate), who works within your organisation to deliver the project.	A KTP gives your organisation access to specialist knowledge and skills to unlock strategic opportunities. Whether you're aiming to develop new products, improve processes, enter new markets, or boost productivity, a KTP connects you with academic experts who will help embed valuable knowledge and capabilities within your business.
Consultancy	Our consultancy services are flexible and can range from rapid feasibility studies, tech evaluation to comprehensive, year-long strategic projects.	We welcome organisations to bring us their challenges, and we work collaboratively to deliver practical, research-informed solutions tailored to real-world needs.
Facilities & Analysis Services	Our research laboratories are equipped with a range of high-tech analytical instruments for characterisation of a wide range of materials.	Get in touch with our expert team to enquire about our facilities: chemeng-analysis-services@strath.ac.uk
Continuous Professional Development and Short Courses	We offer a wide-ranging portfolio of CPD opportunities designed to support professionals at every stage of their career and upskill your team.	We can also work with your organisation for customised training that meets your specific needs. Our tailored CPD can be delivered on site, online or on campus. Please get in touch at chemeng-online@strath.ac.uk
Online Degrees	We have a long history of industry focussed distance learning degree programmes and CPD designed to upskill individual employees currently working in a relevant industry setting.	Our programmes are flexible to fit in with your current job, family commitments or lifestyle. Academic classes are delivered via distance and online learning, but include tutor support via forums, email and live webinars.

Case Studies

KTP: Decarbonising the Isle of Raasay Distillery: Waste-to-Energy

R&B Distillers Ltd., formed in 2014, are artisanal distillers of whisky and gin. In 2017, they transformed Borodale House on the Inner Hebridean Isle of Raasay into a state-of-the-art distillery and hotel.

Isle of Raasay Distillery generates revenue through sales of malt whisky, gin, and specialist casks, plus tours of their on-site visitor centre and bookings of luxury accommodation within their hotel, which is the only accommodation in Scotland housed within the same building as an operational distillery.

Distillery co-founder Alasdair Day, said: "R&B Distillers are fully committed to reducing our carbon footprint in our operations by a further 40% by 2030, in comparison with our baseline year of 2018.

"We believe that this KTP project will result in the knowledge required to accelerate our progress to achieve this target."

KTP: Utilise data science techniques to intensify production with sophisticated monitoring and control solutions

ScotBio produces high value biochemicals from microalgae, valued as food and pharmaceutical ingredients, personal care products and fine chemical reagents.

Online Degree: Izabella Sloan (Degree Apprenticeship: Chemical & Process Engineering Graduate)

"Completing my degree apprenticeship has been extremely rewarding. I've had the opportunity to apply my chemical engineering knowledge to real-world problems and can genuinely say I have made a positive impact in pharmaceutical manufacturing.

This apprenticeship has laid a strong foundation for my career in process engineering, accelerating both my technical capabilities and soft skills beyond what a traditional university route typically offers."

Contact us: chemeng-ke@strath.ac.uk

Case Studies

Student Project: Arthian

"We have participated in the programme for a number of years and find it extremely useful to both us and the students, with the students benefiting from work on real-world consulting projects. A number of the students have been offered full time positions upon completion of their placement." - **Michael Lynch, Technical Director, Arthian (formerly Mabbett)**

Student Project: Ferring

"Ferring has participated in the CPE industrial placement programme for many years and found it invaluable in supporting key development projects as well as laying the foundations for new development opportunities within the organisation. Placement students have also gone on to full time employment within the company.**"**
- Alistair Ross, Head Of Pharmaceutical Development, Ferring CT

PhD@Work: Gary Callachan - RSE

"Within RSE, and beyond the PhD, I aim to specialise in emerging contaminants such as PFAS and APIs, helping to deliver trusted, end-to-end water technology solutions through innovative offsite construction and modular assembly approaches.**"**

Contact us: chemeng-ke@strath.ac.uk