

Young Strathclyde: Accelerate

Chemical Engineering Challenge

23rd to 27th June 2025

Accelerate is a one-week programme, held at the University of Strathclyde, for pupils who have just gone into S5 and S6. It aims to provide a targeted focus on the pupils' chosen area of academic interest, giving them a head start on the road to their chosen career.

There are nine areas that you can choose from in 2025, depending on your career aspirations:

- **Business**
- **Chemistry**
- **Chemical Engineering**
- **Computer Science**
- **Education**
- **Electronic & Electrical Engineering**
- **Law**
- **Politics**
- **Product Design**

Teams of academic experts have put together week-long Challenges in each of these areas that will allow pupils to find out all about their area of interest and the career opportunities open to them. Led by undergraduate and postgraduate student mentors from the relevant fields, pupils will undertake a variety of group challenges, as well as attending career workshops and getting a chance to see what student life is like.

The Chemical Engineering Challenge: Outline

The Department of Chemical and Process Engineering (CPE) at the University of Strathclyde will be hosting a challenge for up to 25 pupils.

The CPE Challenge will give you a taste of what chemical and process engineering is all about and how it affects so many areas of our lives.

You will find out how we use chemical engineering processes in the distilling industry, water treatment, carbon capture technologies, and environmental sustainability. Through practical experiments, the challenge will explore sustainable materials and synthesising bioplastics. Through this programme, you'll find out how diverse the chemical sciences can be.



You will also have the opportunity to chat with current students about their experiences and learn about the types of careers you could get involved in by studying this subject. A team of student mentor and University staff from the CPE department will guide you throughout the week. They'll be on-hand as a resource of information and advice throughout the challenge.

Visit the CPE department's webpage:

<https://www.strath.ac.uk/engineering/chemicalprocessengineering/>

The Chemical Engineering challenge has official accreditation on the SCQF Framework. This means that there will be some assessment on this challenge and, should you pass this, you will gain 10 credits at level 7. Level 7 is the same as Advanced Higher or first year University work.

What previous Chemical Engineering Challenge participants have said about the programme:

"I thoroughly enjoyed the Accelerate Chemical Engineering challenge and thought it was an amazing opportunity which I would like to take part in again."

"I loved this programme because now I know lots of things about chemical engineering."

"It was fun to work with other people from different schools and work with my mentor. I learned a lot."

"It was a great opportunity to learn more about chemical engineering, but also university as a whole. I've definitely got a lot out of the experience."

"I thought the accelerate programme was an amazing experience, I got taught so many new things about chemical engineering, and this has boosted my confidence to get ready and prepare for university."



"I thought it was an amazing programme that allowed me to learn many new things and develop my team-working skills."

"I really enjoyed it as it gave me lots of information about the chemical engineering course, and I have become quite close to my group - it's a shame to have it end so soon."

For further information, visit:

<https://www.strath.ac.uk/professionalservices/accessequalityinclusionsservice/wideningaccess/gettingready/accelerate/>

or contact us at accelerate-programme@strath.ac.uk.