

## **International Summer School – Chemical Engineering**

Congratulations on achieving a place on the 2026 International Summer School, we are delighted to have you on board the Chemical Engineering stream from 17-21<sup>st</sup> August.

We have put together a course overview to give you some insight into what you will be learning during the summer school. There are no actions to take from this document it is just to provide an overview and learning outcomes for the week.

During the week, we will be exploring the fascinating world of Chemical Engineering through a combination of lectures and practical tasks. You will be introduced to core concepts such as process design, sustainability, biotechnology, and the role of digital tools like Artificial Intelligence. Our goal is to help you build confidence for studying at undergraduate level, while also strengthening your academic skillset, critical thinking, and understanding of how chemical engineers shape the world.

There will be 5 lectures released at 09:00 BST every day and a related task.

### **Sessions:**

Day 1: What is Chemical Engineering?

Day 2: Separations and Membranes

Day 3: Bioeconomy

Day 4: AI for Chemical Engineers

Day 5: Studying Chemical Engineering at Bath

During the week of the summer school, we advise you watch the lecture first before looking through the task instructions, most lectures are between 30-60 minutes and the task should take another 30-60 minutes to complete. Once you have finished your task for the day, you will upload it onto the assignments tab on MS Teams, and feedback will be provided as soon as possible. There is no expectation for you act on the feedback or to resubmit the task after the feedback has been given.

**You will need to complete all tasks and upload to the assignments tab throughout the week, but no later than Friday 28<sup>th</sup> August 2026. If you do not submit every task, you will not be eligible for the guaranteed conditional offer.**

### **The academic who is delivering these sessions:**

Session # 1



**Prof Tina Düren** - Head of Department of Chemical Engineering. For more information on Prof Düren academic and research background please [click here](#)

*Session # 2*



**Dr Fatima Anjum** – Research Associate in Chemical Engineering. For more information on Dr Anjum academic and research background please [click here](#)

*Session # 3*



**Dr Sanjay Nagarajan** – Lecturer in Chemical Engineering and Deputy Director, Centre for Sustainable Energy Systems (SES). For more information on Dr Nagarajan academic and research background please [click here](#)

*Session # 4*



**Dr Sourav Chatterjee** – Lecturer in Chemical Engineering. For more information on Dr Chatterjee's academic and research background please [click here](#)

*Session # 5*



**Dr Bernardo Castro-Dominguez** - Director of Undergraduate Admissions and Recruitment and Senior Lecturer in Chemical Engineering. For more information on Dr Castro-Dominguez academic and research background please [click here](#)

**General Information and Guidance sessions:**

Every day at 12pm (BST), we will also have an optional information session focusing on applying to study in the UK. You can join us live for these or if your time zone/schedule does not allow this, they will all be recorded and uploaded to the International Summer School 2026 Team in the 'Files' tab for you to watch at a more convenient time.

<b>Day and time</b>	<b>Theme</b>
Monday 17 August 9am	Introduction to the Summer School & Why Bath?
Tuesday 18 August 12pm	Living in a New Culture
Wednesday 19 August 12pm	Getting Skills Ready for University
Thursday 20 August 12pm	Writing your Best Personal Statement
Friday 21 August 12pm	Student Life Q&A

**If you have any questions or concerns ahead of the beginning of the summer school, please contact the International Summer School Team on [internationalsummerschool@bath.ac.uk](mailto:internationalsummerschool@bath.ac.uk)**