

STUDENTSHAPERS

StudentShapers Recruitment: Calling all 1st and 2nd year Chemical Engineering students

Mastering Mathematics with Teamwork and Technology

Bursary: £330 per week (8 weeks full time during summer)

Who should apply: 1st or 2nd year Chemical Engineering students. Students who have not completed Further Maths before joining Imperial are strongly encouraged to apply.

Campus/Location: Remote, South Kensington Campus

Project details: The Department of Chemical Engineering hosts some of the best performing students from various parts of the world. Yet, due to differences Mathematics curriculum around the globe, the expertise level varies significantly among the students. This can make 1st year Mathematics course seem a bit more challenging. Pre-sessional content has been developed for bridging the differences before joining the College. Despite this, student and GTA feedback has highlighted challenges faced by students in 1st year. Importantly, student engagement with Mathematics during drop-in sessions remains very low.

We are interested to work with a motivated student who has found the Mathematics course particularly challenging and to discuss how best to support their journey. The work aims to create a fostering learning environment by promoting peer-interactions and enhance student learning experience using evidence-based pedagogical approaches such as peer- and team-based learning. The project will take a staff-student partnership approach to brainstorm and implement ideas ranging from peer learning to student societies for Mathematics. We hope to redesign the way we deliver drop-in sessions.

As a student partner, you will engage closely with the staff partner to identify different strategies based on literature and your/peer experiences. You will take lead on designing surveys and gathering feedback from your peers and potentially also test this during the summer. Student partners' views and ideas will form integral components for this implementation. This partnership will offer a unique opportunity to bring upon tangible change to increase student engagement and improve student experiences for future cohorts.

How to apply:



Applications should be made via the 'expression of interest' form on the StudentShapers website ([here](#)) or accessed using the above QR code. This will then be distributed directly to the appropriate staff partner. Shortlisted students will be invited for an informal meeting/interview as part of the selection process.

Deadline: 25th March 2022

Contact details: Informal inquiries can be made to Dr. Vijesh Bhute, Email: v.bhute@imperial.ac.uk