

StudentShapers Recruitment: Calling all 3rd-year chemical engineering students

The chemical engineering curriculum: skills versus technical knowledge

Bursary: £1905 per student (a combination of part-time and full-time work, at £55 a week and £325 a week respectively)

Who should apply:

We (Dr Deesha Chadha and Professor Jerry Heng) are recruiting up to 3 undergraduate students from chemical engineering (M.Eng programme), currently in their third year of study.

Campus/Location: Kensington but scope for project to be carried out remotely.

Project details:

This is a really exciting opportunity for you to design and develop your own research (with considerable guidance and support from a member of staff). Your engagement will be in designing research in trying to determine whether a skills-based curriculum in chemical engineering is more beneficial than one that is based on technical knowledge, and what this might look like. You will be expected to complete a research ethics application (with assistance from the staff lead) to eventually disseminate this work as research outputs. You will be expected to put forward some initial thoughts of what a suitable curriculum could look like to senior decision makers in the department.

The project is to span the last 2 weeks of September (end of term break), the entire Autumn term (during term for 3 hours per week), and the first 2 weeks of the Christmas holiday 2021 (beginning of term break).

Having carried out projects and laboratory work in which you have developed some research skills and independent thought over the last few years, we fully expect you to use and further develop those skills to create your own research pathway and to work effectively with your peers. We are keen to ensure equality, diversity and inclusion in the recruitment process.

How to apply:

If you are interested to engage with this project, please submit an expression of interest. This should be no more than 300 words in which you tell us 1. Why you would like to participate 2. What you could bring to the project. You may be invited for an informal interview as part of the selection process.

Deadline: 2nd August 2021

Contact details: Deesha Chadha, (d.chadha@imperial.ac.uk) in the first instance, or Jerry Heng (jerry.heng@imperial.ac.uk)