

StudentShapers Recruitment: Calling all *Chemical Engineering Undergraduate Students*

Developing Off the Shelf Membranes for Teaching Lab Settings

Bursary: £1560 (over 4 weeks full-time engagement during Summer break) One position available.

Who should apply: This project is open to any chemical engineering undergraduate student but may be especially of interest to those ending their 2nd year looking to gain experience in Membrane Science or those who have previously worked with membranes in the 3rd year and would like to build on that experience

Campus/Location: South Kensington Campus in the Chemical Engineering UG labs

Project details: You will take the lead on exciting research to develop new membrane technologies that we hope to use in the Chemical Engineering 3rd year Membrane Separation Advanced Process Engineering Project. We have new membrane casting machinery but are looking for environmentally and economically sustainable materials to make the membranes with.

Your role will involve research suitable materials, creating and testing membranes and assessing the process suitability for the UG labs, helping to develop the standard operating procedures. Working closely with academics and technicians in the UG labs you will be given initial training in using the membrane casting machine, but alongside staff partners in the lab you will be empowered to take the lead on the project, gaining valuable experience in the development of practical teaching modules, and research skills.

This project is ideal for those interested at exploring the intersection of education and engineering research, combining hands on engineering with curriculum design.



How to apply:

Applications (300-500 words) should be made via the 'Student 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.

Deadline: 5th April 2024

Contact details: For further details on the project please email j.campbell10@imperial.ac.uk