

RESEARCH THEMES



Biomedical engineering and industrial biotechnology

Engineering biological and biomedical systems to improve human health, and the world around us.



Energy and environmental engineering

Delivering materials, methods, processes and technologies in support of a sustainable future



Materials

Making materials matter: understanding the behaviour of materials for optimising technological processes and product applications



Multiphase transport processes

Creating the next generation of multi-scale modelling tools and measurement techniques for complex multiphase flows



Multi-scale computational chemical engineering

Computational and systems approaches for the analysis, design and optimisation of chemical, physical and biological processes across length and time scales



Separations

Developing energy efficient separations across a range of industrial applications



Reaction engineering and applied catalysis

Developing novel, clean and efficient chemical processes while minimising negative impacts on the world and its resources



Multi-scale computational thermodynamics and molecular systems

Quantative prediction of the thermophysical properties and phase behaviour of matter to provide insight into its behaviour



Soft matter engineering

Designing, synthesising, assembling, characterising and modelling soft materials for applications ranging from healthcare to energy

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STUDY AT IMPERIAL

Undergraduate courses

MEng Chemical Engineering

MEng Chemical Engineering with a year abroad

MEng Chemical Engineering with Nuclear Engineering

Postgraduate courses

PhD in Chemical Engineering

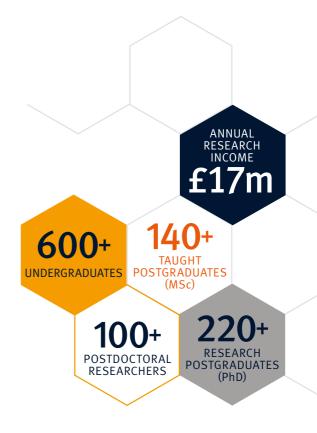
MSc in Advanced Chemical Engineering

MSc in Advanced Chemical Engineering with Biotechnology

MSc in Advanced Chemical Engineering with Process Systems Engineering

MSc in Advanced Chemical Engineering with Materials Engineering

Our mission: To deliver world-leading research, education, leadership and inspiration in chemical engineering and its transformational application to industry and healthcare.





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