



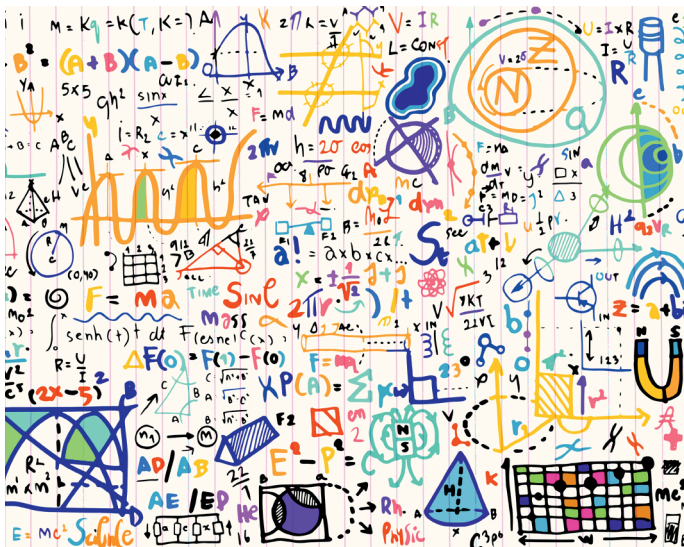
King's Summer Programmes

## Undergraduate Summer School 2017

*Applied Maths: Understanding Engineering through Numbers*

*Engineering: Creating Technologies that Help People*

[www.kcl.ac.uk/summer](http://www.kcl.ac.uk/summer)



**Physics**  
**Technology**

**STEM**  
**Mechanics**

### Applied Maths: Understanding Engineering through Numbers

**Session One: 26 June – 14 July 2017**

This module is aimed at university students who are keen to improve and strengthen their knowledge of applied mathematics. It provides a comprehensive overview of the important mathematical concepts and methods needed for university-level study of physical sciences and engineering. The focus will be on the application of these methods to a variety of real-world problems from physics and mechanics; exploring how mathematicians, their tools and ideas have helped to shape the modern world. Students will be exposed to cutting-edge applications of mathematics, including those based on the teachers' research activities in biomedical engineering.

### Engineering: Creating Technologies that Help People

**Session Two: 17 July – 4 August 2017**

This module will explore the potential of combining engineering with social entrepreneurship in creating a powerful tool for improving the lives of people all over the world. You will engage in a project to deliver a technical solution to a real-life challenge set by an external client. These clients may include local community groups and NGOs working in sustainable development projects in deprived areas, and regenerative-medicine practitioners. Through an innovative combination of lectures and teamwork, you will learn how to carry through projects from planning to delivery, how to manage time and resources and how to work with the client to deliver an appropriate and sustainable solution.

**Contact [summer@kcl.ac.uk](mailto:summer@kcl.ac.uk) for more information.**

**We look forward to seeing you this summer!**

**Join us this summer!**

*For more information on  
the Undergraduate  
Summer School  
application process, entry  
criteria and fees, please  
visit our website  
[www.kcl.ac.uk/summer](http://www.kcl.ac.uk/summer)*

Find out more:



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This leaflet was printed in the winter of 2017. Although it was up-to-date at the time it was produced, please make sure you check our website ([www.kcl.ac.uk/study](http://www.kcl.ac.uk/study)) or contact us directly for the very latest information before you commit yourself to any of our courses.