

WHAT'S ON:

TASTER LECTURES

Lecture Rooms 1 & 2
(1st Floor)

Listen to inspiring lectures from world class academics on how engineering is crucial to resolving real world problems

LABORATORY DEMONSTRATIONS

Floors 3 to 6

A selection of demonstrations on different engineering disciplines are available throughout the day, some offering hands-on experience

OPEN HOUSE

Explore the many teaching spaces within the Thom Building.
Take the lift to the 8th floor of the Thom Building to see our Student Study Area and the best view in Oxford from Lecture Room 6!

STUDENT Q&A AND INFORMATION FOR PARENTS

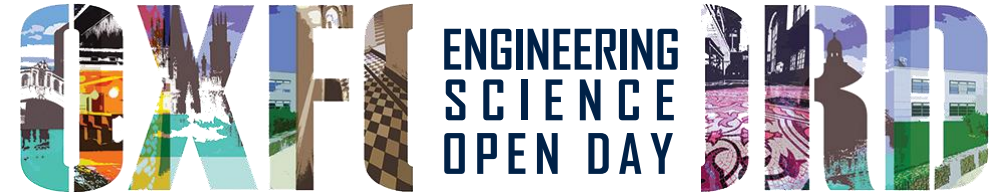
Lecture Rooms 1 and 2
10:00 and 15:15

We recommend prospective students attend the Undergraduate Q&A with our Student Ambassadors, meanwhile parents and carers are welcome to join the Engineering at Oxford talk

INFORMATION

Come and meet our academics, staff and students in Lecture Room 3 and ask any questions you may have

FRIDAY 19 SEPTEMBER 2025



Engineering is the application of science and mathematics to benefit society



Engineering encompasses a vast range of subjects on which the modern world depends for its capacity to maintain and improve the quality of life



Professional graduate engineers are the people who make effective engineering happen; their qualities include technical competence, imagination, strength of purpose, common sense – and a social conscience



OPEN DAY PROGRAMME 19 SEPTEMBER 2025

ENGINEERING SCIENCE



TASTER LECTURES

TIMES	Room	TITLE	LECTURER
10.30-11.00	Lecture Room 2 (1 st Floor)	Sweet Design: Systems Engineering in a Honeybee Hive	Prof. Tim Denison
11.00-11.30	Lecture Room 1 (1 st Floor)	Inductors and Magnetic Brain Stimulation	Prof. Dan Rogers
11.30-12.00	Lecture Room 2 (1 st Floor)	Seeing is Believing: 3D Imaging of Crack Growth in Composite Materials	Prof. Dong (Lilly) Liu
12.00-12.30	Lecture Room 1 (1 st Floor)	AI is for Action: How to Decide What a Robot Does Next	Prof. Nick Hawes
LUNCH BREAK			
13.45-14.15	Lecture Room 1 (1 st Floor)	How We Decarbonise Flight	Prof. Peter Ireland
14.15-14.45	Lecture Room 2 (1 st Floor)	Like a Hell-broth Boil and Bubble: Towards Sustainable Chemistry	Prof. James Kwan
14:45-15:15	Lecture Room 1 (1 st Floor)	Robot Demonstration	The Oxford Robotics Institute

OPEN DAY PROGRAMME

ENGINEERING SCIENCE 2025 LAB DEMONSTRATIONS



FLOOR

6

SOFTWARE LAB A

SOFTWARE LAB DEMOS

5

ENERGY & CONTROL LAB

ELECTRONICS AND CONTROL:
ROBOTICS, FOOTBALL PLAYING & CONTROL DEMOS

4

DESIGN, BUILD AND TEST LAB

MECHANICAL FABRICATION, MACHINERY & ASSEMBLY

4

3D PRINTING LAB

3D PRINTING, COMPUTER AIDED DESIGN (CAD) &
SIMULATION

3

THERMOFLUIDS LAB

WIND TUNNELS & HYDRAULIC STUDIES

3

MATERIALS LAB

ELECTRON & OPTICAL MICROSCOPES
MATERIAL TESTING MACHINERY

G

OXFORD UNIVERSITY RACING

FORMULA STUDENT LAB