



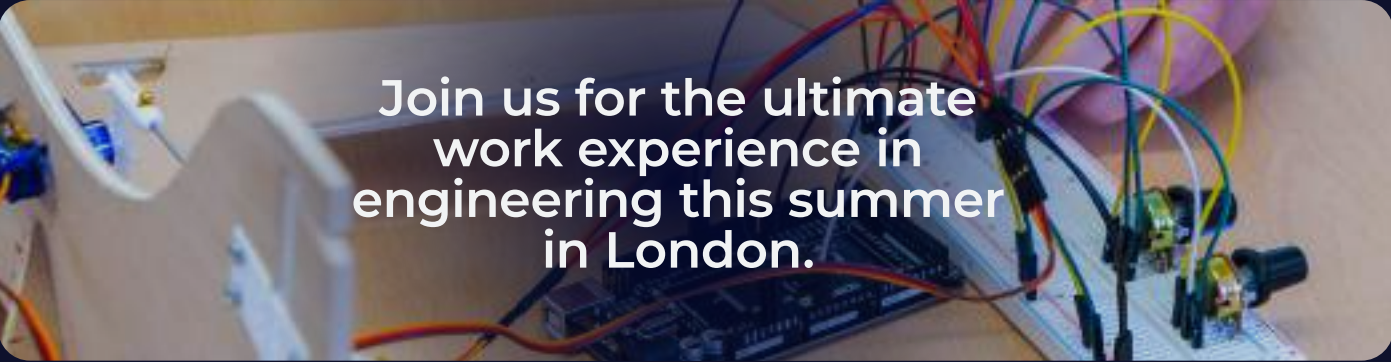
**INVESTIN**  
THE ULTIMATE WORK EXPERIENCE

# The Young **Engineer** Summer Experience

**2025**

Ages 15-18  
London | UCL Campus





Join us for the ultimate  
work experience in  
engineering this summer  
in London.

Over the course of 2 weeks, students will step into the shoes of an engineer through a range of immersive career simulations and exclusive professional site visits.

This is a unique opportunity to work alongside top engineers, gain hands-on experience to boost university and job applications and experience life on-campus at a world-renowned university, University College London.

**Ages**  
15-18

**Location**  
London, UCL Campus

**Length**  
1 week or 2 weeks

**Start Dates**  
7th July, 28th July, 18th  
August 2025



## Programme Highlights

- Visit a working airfield and learn from aeronautical engineers in a series of hands-on flight simulator challenges
- Explore the innerworkings of a petrol engine in a live teardown under the guidance of a mechanical engineer
- Explore Europe's largest Supercar facility and come face-to-face with the developments over the past 100 years in automotive engineering
- Compete in an assessed activity with expert feedback from professionals & receive comprehensive career coaching on breaking into engineering
- Gain a personalised certificate, industry reference letter & UCAS points for a Level 3 Award in Work Experience
- Work alongside expert aeronautical, material, civil and biomedical engineers who will guide you through your experience

“One of the best things I've done for my child. Some of the experiences she got just sounded out of this world, but more than that she was so complimentary about the staff -- both the engineers and the organisers. She stayed at their university halls and made lots of new friends.”

Parent, the Young Engineer  
Summer Experience 2022

“It was an amazing experience. The entire programme was overseen and taught by inspiring experts in their fields - it really helped in cementing my decision to study engineering.”

Student, the Young Engineer  
Summer Experience 2021



# Week 1

Residential Package

Programme Content

Premium Content

## Sample Summer Experience Timetable

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
07:30 - 09:30	Residential students arrive & check-in	Breakfast				
10:00 - 10:30		Travel to venue				
10:30 - 13:00		Enter the Summer Experience Programme welcome & networking with peers	The Aeronautical Engineer Experiment design, data processing, iterative testing	Working Airfield Visit Take a guided tour of facilities	Career Coaching & Introduction to Materials Engineering Pathways into engineering and high level introduction to materials engineering and nano materials	The Civil Engineer Learn the basics of load bearing and structural integrity, then build and test a civil engineering structure
13:00 - 14:00		Lunch Break				
14:00 - 17:00		Principles and Theories of Flight Experiment design, data processing, iterative testing	Continued	Continued	The Materials Engineer: Deep dive into Metallurgy Conduct your own metallurgic failure analysis - like a professional materials engineer	Continued
17:00 - 17:30		Travel to accommodation				
17:30 - 19:30		Dinner & Break				
19:30 - 22:00	Induction & icebreakers	Movie night	Board game café	Sports & games night	Wellness evening	Quiz night
23:00	Lights Out					
				17:30 - 21:00	Private cinema hire/Arcade	

Weekend (Premium)		Weekend (Residential)	
Saturday	Sunday	Saturday	Sunday
Breakfast		Breakfast	
Immersive strategy game & workshop	Professional development coaching sessions	Week 1 Residential Students Check-Out	Break - Free time
Lunch Break			Break - Free time
Psychometric testing & personality profiling	Expert university admissions & recruitment coaching		Lunch Break
			London walking tour
Dinner & Break			Sports day at central London park
Scavenger hunt	Crafts night		Dinner & Break
Lights Out			Scavenger hunt
			Crafts night
			Lights Out

WEEKEND - NON-RESIDENTIAL

Break - No Programmes

# Week 2

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
07:30 - 09:30	Breakfast					
10:00 - 10:30	Travel to venue					2-Week Residential students check-out & depart
10:30 - 13:00	<b>The Sustainable Engineer</b> Understand the role engineering plays in preserving our planet	<b>The Mechanical Engineer: SuperCar Experience</b> Tour a classic car collection, tear down an engine, car design challenge	<b>The Biomedical Engineer</b> Examine the intersection between medicine and engineering by conducting your own client innovation challenge	<b>The Electrical Engineer</b> Build and code your own buggy robot	<b>Assessed Activity</b> Take part in an assessed activity and receive feedback from top engineers.	
13:00 - 14:00	Lunch Break					
14:00 - 17:00	Continued	Continued	<b>Continued</b> Explore the different technologies utilised by biomedical engineers to revolutionalise the medical industry	Continued	<b>Graduation Ceremony</b> Closing speeches & certificates	
17:00 - 17:30	Travel to accommodation					
17:30 - 19:30	Dinner & Break					
19:30 - 22:00	Film night	Sports & games night	Wellness evening	Karaoke night	Prom	
23:00	Lights Out					
			17:30 - 21:00	Gala dinner with professionals		

Exact start/end times of each day will vary. Students will receive their personalised timetables with specific locations and venues, as well as a finalised social programme schedule, closer to the programme start date.

