



INVESTIN

THE ULTIMATE WORK EXPERIENCE



The Young **Engineer** Summer Experience **2026**



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
6th July, 27th July,
17th August 2026



Programme Highlights

- Visit a working airfield and learn from aeronautical engineers and apprentices about aeroplane mechanics and maintenance
- Explore the inner workings 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 and receive comprehensive career coaching on breaking into engineering and guidance on UCAS applications
- Gain a personalised certificate, industry reference letter and UCAS points for a Level 3 Qualification in Work Experience & Career Planning
- 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*

"My highlights were sustainable engineering, and the biomedical engineering session where we used motion capture was incredible! We had so much fun doing it and for me it was something completely new. Overall it was an absolutely amazing experience! I've learned a bunch of new things, made new friends and all the staff were friendly, supportive and patient."

*Student, the Young Engineer
Summer Experience 2025*

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 A day of hands-on aeronautical and aerospace engineering activities with UCAS application support	The Aeronautical Engineer: In Industry Take a guided tour of facilities	The Materials Engineer Conduct your own metallurgical failure analysis like a professional materials engineer	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	Continued	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					

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			Lunch Break
Psychometric testing & personality profiling	Expert university admissions & recruitment coaching		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	The Sustainable Engineer Understand the role engineering plays in preserving our planet	The Mechanical Engineer: SuperCar Experience Tour a classic car collection, tear down an engine, explore electric vehicles and aerodynamics in the automotive industry	The Biomedical Engineer Examine the intersection between medicine and engineering by conducting your own client innovation challenge	The Electrical Engineer Build and code your own line-following obstacle-avoiding robot buggy	The Final Project Take part in an assessed activity and receive feedback from top engineers	
13:00 - 14:00	Lunch Break					
14:00 - 17:00	Continued	Continued	Continued Explore the different technologies utilised by biomedical engineers to revolutionalise the medical industry	Continued	Graduation Ceremony Closing speeches and 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.

