
CIFAL Surrey - Surrey Science & Engineering Summer School 2025 - Sustainable Futures: Engineering for a Greener Tomorrow

Population

Date limite: 7 Juil 2025

Type:	Workshop
Emplacement:	Surrey, United Kingdom of Great Britain and Northern Ireland
Date:	14 Juil 2025 to 25 Juil 2025
Durée:	10 Days
Zone du programme:	Decentralize Cooperation Programme
Site internet:	https://www.surrey.ac.uk/schools-colleges/sixth-form-colleges/residential-summe...
Prix:	2 975.00 \$US
Personne de référence de l'événement:	cifal@surrey.ac.uk
Partenariat:	CIFAL Surrey

ARRIÈRE PLAN

This programme explores fundamental and innovative aspects in

both discipline specific and multi-disciplinary engineering across the Faculty. You will develop core skills in fields such as chemical, civil and mechanical engineering while exploring how these areas work together to address global challenges.

Students will apply their skills to real-world engineering challenges through theoretical study, hands-on projects, and field trips.

Excursions and workshops will offer insights into the UK's engineering industry, featuring visits to local companies and discussions with professionals. Additionally, Surrey's dynamic cultural and academic environment provides a unique opportunity to enhance English proficiency in diverse contexts, fostering both technical and language skills. This experience will deepen the understanding of engineering in a global context, equipping students to make a lasting impact in today's interconnected world.

OBJECTIFS DE L'ÉVÉNEMENT

Students will explore the principles and practical foundations of engineering, including design innovation, sustainability, systems integration, and resource management. They will gain a comprehensive understanding of the essential elements and effective strategies involved in the discipline specific and multi-disciplinary engineering process.

Under the guidance of mentors, students will collaborate in teams to develop their engineering projects. They will conduct feasibility studies, create project plans, and engage in various practical tasks. Students will learn essential skills including leadership, project management, time management and teamworking.

Students will engage in practical sessions focused on developing effective

writing techniques specifically within an engineering context. They will learn to articulate their ideas clearly and persuasively through interactive workshops.

This programme emphasises the practical application of effective interview techniques, helping students enhance their ability to succeed in engineering interviews. Rather than traditional English lessons, students will engage in interactive sessions that focus on mastering interview skills, allowing them to express themselves confidently, respond effectively to common interview questions, and present their ideas with clarity. These hands-on experiences will boost their performance and competitiveness in professional settings.

As part of the programme, students will have the opportunity to visit the worldrenowned universities of Cambridge and Oxford, experiencing their rich history first-hand and learning about their academic excellence . In addition to these prestigious institutions, day trips to the historic town of Windsor and vibrant London will offer a chance to explore iconic British culture and heritage, making your time in the UK truly unforgettable.

As part of their practical learning, students will have the opportunity to visit local industry to understand its business processes, management practices and innovation strategies. Through interactions with company employees, students will gain in-depth knowledge of corporate culture, market trends and industry challenges, enabling them to apply their learned knowledge to realworld situations.

MÉTHODOLOGIE

Comprehensive immersive experience of studying and living at the University of Surrey, building valuable overseas experience for master's degree or further study abroad applications.

Students integrate theoretical knowledge with practical experience to explore innovative engineering

applications and undertake a hands-on project. This engagement enhances your personal résumé and

provides valuable insights into real-world engineering challenges.