

One-week Engineering Summer Programme with Cambridge University (Girton College) 2023

In the 3rd year running the One-week Engineering Summer Programme with Girton College of Cambridge University, 47 students flew 6,000 miles to experience the grassy smell and immersed themselves in the unique atmosphere of the Cambridge University in Summer 2023.



The One-week Engineering Summer Programme with Girton College of Cambridge University held from 2 to 8 July 2023, was exclusively organized for FENG Students and co-sponsored by GEO, FENG and its departments.



This course comprised 15 hours of contact time which focusing on the theoretical concept, covered useful knowledge for engineers, including vectors analysis, matrices algebra, numerical solutions and quadrature, statistics, as well as data analysis. Dr Henry Chan of COMP visited the students and conducted an entrepreneurship workshop for them, seeking to inspire their innovative and entrepreneurship thinking.



Apart from the class learning, a series of special events were arranged to foster students' personal growth and social connection, and know more about Girton College and Cambridge student life.

Two evening talks on engineering/entrepreneurship/innovation were conducted to broaden student knowledge and provided insights from the industry expert. A social programme was organized by Girton Student Assistants at Cambridge University, including visits and activities around Cambridge.



As reflected from the student reports, the students gained excellent learning experience through this summer programme. Indeed, 100% of the students strongly agreed or agreed that they had a valuable learning experience in this summer programme (with 83% of them strongly agreed).

Here are some student comments or learning reflection from the six FENG departments.

“The opportunity to visit the UK for the first time was an excellent opportunity to visit the historic and top-ranked university of Cambridge ... the city has everything one can imagine, from a variety of food to a diversity of cultures.” - AAE student

“...With its prestigious fame in Mathematics and a gorgeous campus, the week has been nothing but enjoyable and rewarding. The course moved in a fast pace, but there was never a problem at all ... I learnt a lot deeper into topics like matrices and vectors, things that I already knew 5 years ago but never really understood. I also made many new friends during the social programmes, so the week was perfect!” - BME Student

“This one-week engineering summer programme at Girton College was really an incredible experience. It allowed me to have a different insight into engineer. During the math class, I learned how to apply this theoretical knowledge I learned before to real-world problems like physical and economical ones ...the programme is eye-opening that allows me to see the diverse backgrounds and experiences of the top students from around the world. I would highly recommend this programme to my friends in engineering and hopefully make it a valuable experience for them as well.” - COMP student

“ ... Talk by Dr Henry Chan on entrepreneurship not only allowed us to spontaneously create ideas and complete a presentation in a short time ..., but also taught us the key consideration of the demand side of innovative ideas ...” - EEE student

“... the lessons conducted by the professor solved some of my misunderstandings in the foundation of Engineering Mathematics or fill out the gap in my knowledge....Although it is a short period of seven days, it includes almost every essential part being a Cambridge student... - ISE student

“Participating in this summer programme has been an unforgettable learning experience for me. Over the lessons of this programme, there are five topics. Although I have learned some skills in the past two years, I was able to deepen my understanding of Mathematics for Engineering ...” - ME student



*Due to the pandemic, the first two batches of the summer programme were conducted online.