



FRESHERS HANDBOOK

2024-25

Cambridge University
Engineering Society

Welcome to CUES!

Founded in 1901, Cambridge University Engineering Society (CUES) is Cambridge University's largest academic society and one of the most active, with over 1000 members.

We know the first few weeks a fresher can be tricky, with loads of information, new people, silly traditions and work chucked at you! This guide aims to give you the key information about CUES and the course in as efficient and coherent a way as possible, from student to students!

We look forward to seeing you at our events - here are some examples:



Careers Fairs and Company Presentations

We host the largest student-run careers fair in Cambridge every October and numerous presentations with companies actively recruiting students.

Hackathons

We regularly host hackathons with exciting prizes, often in collaboration with industry partners.



Socials


Have fun with friends and meet new engineers at our regular socials. **Our next social is our Freshers Drinks.**

And more! Please see our termcard on the next page for full details.

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CUES Michaelmas 2024 Termcard



	CUES Freshers Drinks 09/10/2024 19:00-23:00 barOH
CUES Careers Fair 18/10/24 12:00-16:00 Student Service Centre	
	Talk by Steve Buckley, Mott MacDonald 21/10/24 13:00-14:00 LT1
TTP Company Presentation 23/10/24 13:00-14:00 LT2	
	CUES Electrical & Semiconductor Sector Event 24/10/24 18:30-21:00 Location TBC
CUES Hackathon 2024 02/11/24 11:00-16:00 03/11/24 11:00-15:00 DPO (TBC)	
	Heyne Tillett Steel Company Presentation 06/11/24 13:00-14:00 LT2
CUES Quantitative Finance Sector Event 07/11/24 18:30-21:00 Location TBC	
	CUES Civil and Structural Sector Event 05/12/24 18:30-21:00 Location TBC

Plus the weekly Welfare Cafe (free drinks and snacks) for members and more socials and presentations to be announced soon!

Key Events for Freshers

1. Freshers Drinks

Date: Wednesday 9th October

Time: 7-11pm

Location: Bar -OH

*Join us for an unforgettable night at **Bar -OH!** It's a great opportunity to meet engineers from other colleges, socialise, and have fun in a relaxed atmosphere. With a **bar tab of at least £750**, there'll be plenty of free drinks available, but whether you're there for the drinks or just the good company, everyone's welcome!*



2. Careers Fair

Date: Friday 18th October

Time: 12:00-16:00

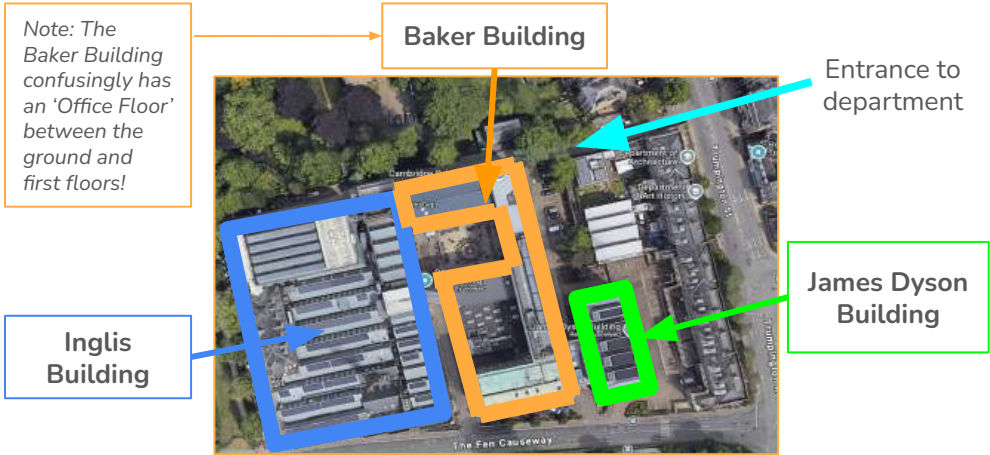
Location: Large Exam Hall,
Student Services Centre

Meet over 25 companies at the university's largest student-run careers fair! This is the perfect opportunity to find an internship or just learn more about careers pathways!



Key Locations

There are three main buildings in the department:



LECTURE THEATRES

- **Constance Tipper, Baker Building** - Ground Floor of the Baker Building, straight ahead as you walk in. This is where all of your lectures will take place in first year.

- **LT1 and LT2, Inglis Building** - Ground floor, walk into the building and turn right, LT1 and LT2 along this corridor. These slightly smaller lecture theatres are where CUES presentations will take place.

OTHER

- **Library, Baker Building** - First floor (after the office floor).

- **Canteen, Baker Building** - Second floor.

- **Toilets** - Baker Building - Basement floor (M/W), Second Floor (M- by the lift, W- through the doors at the end of the canteen), 1st Floor - Disabled toilets.

LABS

- **DPO, Baker Building** - First floor (after the office floor). The DPO is where your Lego Mindstorms lab will take place, among others. You can also use this space to work when it is free.

- **Dyson Center** - There are two ways to get here:

1. 1st floor Baker Building - Walk through the DPO and through the door in the back of the DPO.
2. Inglis Building - Turn right, go through the first double doors on the left, up one flight of stairs, walk down the corridor on the left of the stairs, through the door and up the stairs again.

- **Structures Teaching Lab** - Inglis Building - into the building, make a right, take the first left, go through the double doors on the left - above reads 'Hydraulics Lab', take the first right and another right at the end of the corridor.

- **Old Stress Lab** - Inglis Mezzanine Lab - Turn right, go through the first double doors on the left, up one flight of stairs, through the double doors, and then through the doors at the back of the room.

- **Materials, Hydraulics & Thermo Lab** - Inglis Building - into the build'ng, make a right, take the first left, go through the double doors on the right - above reads 'Materials Lab' or left - above reads 'Hydraulics Lab', (thermo lab at the back of the hydraulics lab room)

- **Mechanics Lab** - Walk past the entrance of the Inglis Building - door on the left for the mechanics lab and go up the stairs.

Engineering Societies

Here are some of the other engineering societies that you can join:

The 3D Printing Society (CU3DS)

cu3dsoc.com

All things 3D Print, meetings every Wednesday, 2pm in Dyson Centre.



Cambridge University Eco-Racing (CUER)

cuer.co.uk

Designing and competing towards the world solar challenge in Australia.



Cambridge University Locomotive Engineering Society (CULES)



CULES
Locomotive Engineers' Society

Cambridge University Robotics (CUR)

curobotics.co.uk

A society that loves robots, all the way from designing to making and competing with



Cambridge University Synthetic Biology Society (CUSBS)

cusbs.soc.srcf.net

Connecting students to engineer biology with workshops and hands-on projects.



Cambridge University Space Flight (CUSF)

cusf.co.uk

Convening with the goal of launching an entirely student built rocket into space.



The Electronics Club (ECLUB)

dysoncentreeng.cam.ac.uk/eclub

All things electronics,
meetings every Wednesday,
1:30pm in Dyson Centre.

Full Blue Racing (FBR)

fullblueracing.co.uk

Supporting students
technically and business wise,
whilst designing and
competing in formula student.



Hackbridge

hackbridge.io

Facilitating challenging
projects that aim to create
novel research and commercial
products, with the aim of
bringing the 'hacker' culture to
Cambridge.

HACKBRIDGE

Hercules Cambridge (HC)

herculescambridge.org.uk

An online skill development
studio for student innovators
and a design solution provider

HC

CURR

rivieraracing.co.uk

The Riviera Racing Team
Innovative students driven
together by the aim of a more
sustainable maritime future,
competing in the Monaco
Energy Boat Challenge.



CUWES

cuwes.soc.srcf.net

Women in Engineering Society
Building an inclusive
community for women and
non-binary engineers,
supporting journeys for
successful careers



Where to Eat or Grab a Coffee!

- 1. Engineering Cafeteria @ Engineering Department**
Conveniently located on the second floor of the Baker Building, this spot is perfect for grabbing a quick coffee before lectures. You'll find cold food options like sandwiches, bagels, and energy bars as well. While there's space to work, be mindful that it can get quite noisy during peak times. Also - free tea!
- 2. Hot Numbers @ Trumpington St**
Just outside the Engineering Department, Hot Numbers offers a superior coffee experience compared to the campus cafeteria. With a wider selection of food (the sourdough toast is a must-try!), it's a favorite for breakfast, coffee, or desserts. The cozy outdoor courtyard and great music make it an ideal spot for a relaxed coffee break.
- 3. Pages Coffee House @ 40 Trumpington St**
A short 5-minute walk from the department, Pages Coffee House is known for its delicious matcha—especially the iced version, which stays flavorful rather than watery. It's not too busy in the mornings, and their laptop-friendly hours from 8-11 AM are perfect for getting some work done with your coffee.
- 4. Fitzbillies @ 53 Trumpington St**
Fitzbillies is a charming, old-school bakery and café, famous for its artisan coffee and traditional pastries. Their Chelsea Buns are iconic, and the Chelsea Bun French Toast comes highly recommended. If you're looking for a nostalgic treat with your coffee, this is the place to be.
- 5. Bould Brothers @ 88 Regent Street**
Bould Brothers on Regent Street is a top spot for coffee lovers in Cambridge. Known for its expertly brewed espresso and friendly staff, it offers a minimalist, stylish space to enjoy a coffee break.



Coe Fen, just beside the department, offers peaceful meadows with grazing cattle and a flowing river—an ideal spot for a quick escape from the department.

A bit further from the department, these feature diverse plant collections and peaceful paths. It is very quiet during weekdays. Bring your Cam Card and get free entry!

CUES Committee Tips for Freshers!



Your supervisions are an opportunity to ask questions - even if you think they're stupid, ask them anyways!

Rohan Daggar, President

Make sure you make time for yourself! It's easy to get overwhelmed and lose track of things with this degree :)

Ibshar Oishi, Events Director



Balance is key! It's really easy to get absorbed in work, so join a non-technical society to help you recharge!

Diya Thomas, Events Sub-Team Leader

Stay positive! Your hard work will pay off :)

Leah He, M&C Director





Join CUES and as many societies as you can!

Adi Jain, Vice-President

Enjoy the most of your Freshers' and join CUES for fun social opportunities and subsidised events!

Connie Yuan, Treasurer



Make sure you attend all of your lectures, no matter how easy or difficult the lecture seems! It's simple advice, but it is all too easy to miss a few lectures and fall behind!

Edward Townsend, Sponsorship Exec



Make sure to prioritise your well-being, it can all become very overwhelming. Take some time out of work to join some societies and meet new people! The Engineer's Cafe is good place to start for break!

Kriti Khanna, Opportunities Director



Don't be afraid to talk to new people. Everyone is in the same boat and you could be the one keeping it afloat!

Harsh Lunia, Technology Director



Our Sponsors

Learn more about some of our sponsors and the internships they offer here!



Inertia Consulting GOLD SPONSOR

Who are they?

Inertia Consulting are an award-winning East Midlands based civil and structural engineering consultancy.

What do they do?

Inertia Consulting provides a range of award-winning bridge and heavy civil engineering structure consultancy services to private and public sector clients across the UK. The sectors we operate in include rail, highways, water, energy, legal, and commercial and residential construction. Our integrated services span civil engineering consultancy and design, bridge inspection and more.

Opportunities for students

Inertia Consulting offer Graduate Roles, Year Placements and Summer Placements, all are based in our head office based in Derby. All year placements and summer placements are paid positions. To apply for any of these positions please send a CV and Covering Letter to info@inertiaconsulting.co.uk The closing date for applications is 31st December 2024.



TTP GOLD SPONSOR

Who are they?

Here at TTP, we work on some of the most impactful applications of science and engineering. We are the science and technology consultancy dedicated to solving the toughest challenges in health tech, life science and deep tech.

What do they do?

We are the science and technology consultancy dedicated to solving the toughest challenges in health tech, life science and deep tech.

We are passionate about innovation. Working across a wide spectrum of industries, we create breakthrough solutions that bring commercial value to clients and the benefits of technology to all.

Opportunities for students

We offer internships and entry-level roles in Engineering and Science consulting based in our own Campus just south of Cambridge.

Apply and find out more on our website [<https://www.ttp.com/careers/vacancies/>]



Jane Street
SILVER SPONSOR

Who are they?

Jane Street are a global liquidity provider and trading firm that uses sophisticated quantitative analysis and a deep understanding of market mechanics to help keep prices consistent and reliable.

What do they do?

Our global presence allows us to trade continuously on more than 200 electronic exchanges and other venues, making us one of the world's largest market makers.

Jane Street became known for its expertise in domestic and international ETFs, but our trading has grown significantly since our early days. Today, we are major players in the Equities, Bonds, and Options markets, among others.

Whether it's in New York, London, Hong Kong, Singapore, or Amsterdam, standing on a Jane Street trading floor feels like being at the center of something much bigger — a lively, cross-continental exchange of ideas.

Opportunities for students

Jane Street offer internship and graduate roles. Find out more at: <https://www.janestreet.com/join-jane-street/open-roles/>



TPP
SILVER SPONSOR

Who are they?

TPP is dedicated to delivering world class healthcare software through our innovative products.

What do they do?

TPP is a global digital health company. With over 7,000 organisations using our solutions to care for over 50 million patients, our software is used across all health and social care settings, including GPs, emergency departments, hospitals and mental health services. This means that wherever and whenever a patient needs care, a detailed and up-to-date record is available. No other company has a digital healthcare solution on this scale. Our database is one of the largest in the world. It processes a billion transactions daily – more than the London Stock Exchange and Visa combined.

Opportunities for students

TPP have internship and graduate roles. Find out more: <https://tpp-careers.com/>



Rhode & Schwarz

SILVER SPONSOR

Who are they?

Rohde & Schwarz is among the technology and market leaders in all of its business fields, including wireless communications, RF test and measurement, broadcast and media.

What do they do?

The UK-based R&S Measurement and Technology Centre works on several leading-edge wireless products and technologies. We strive to bring technology to life before anybody else does, as our customers need it to test their latest products. We continuously learn and improve, the wireless technologies we work on keep changing, advancing and adapting to the world around us, and we constantly keep pushing the boundaries of innovation to be ahead of the game.

Opportunities for students

Working as a placement student in a team of brilliant software engineers you will use your knowledge and skills to contribute towards the development of signal and spectrum analyser applications, 3GPP 5G telecommunications signalling stack, 5G protocol conformance test (PCT) solutions, Bluetooth test solutions and related software.



Awerian

BRONZE SPONSOR

Who are they?

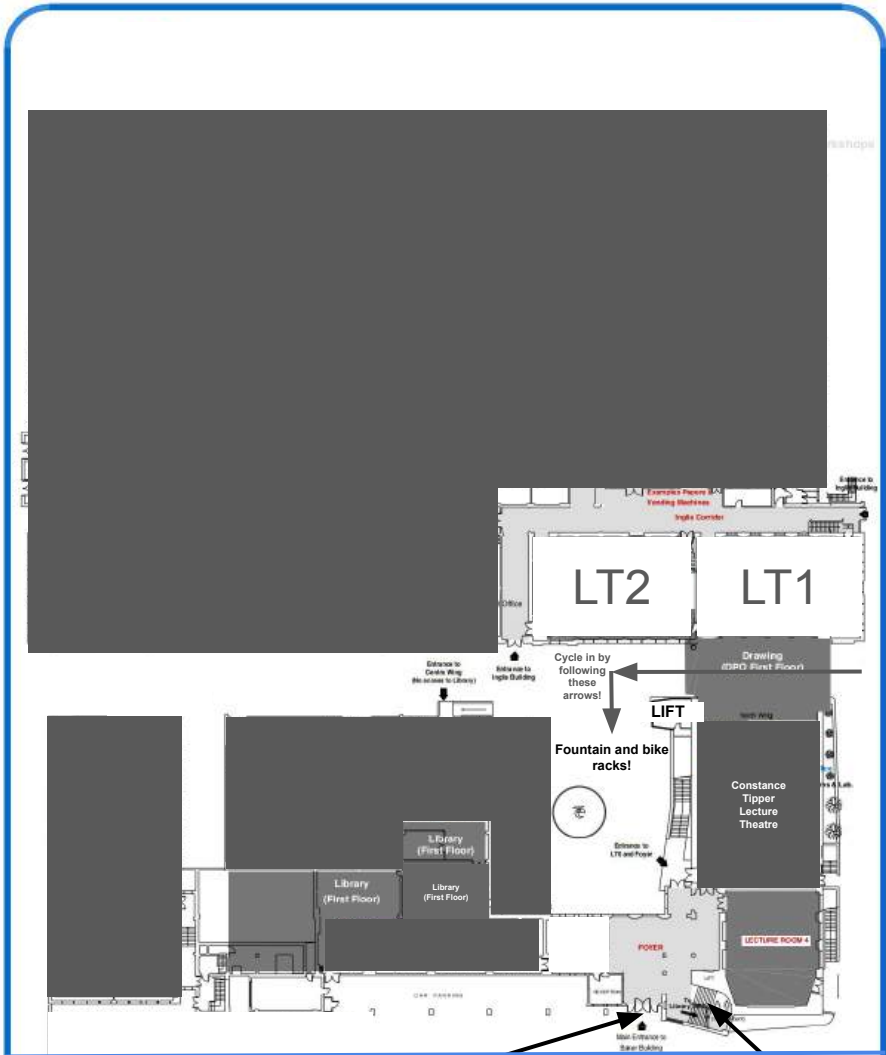
Awerian is a technology consultancy operating within the defence space. We provide research and development services that extend and enhance the ability of the United Kingdom and its Allies to defend themselves.

Opportunities for students

*Awerian have internship and graduate roles. Find out more:
<https://tpp-careers.com/>*

Map of the Department

We know that the department can feel like a bit of a maze when you first arrive, so we've simplified the department map to make it easy for you to get around! All the places you need to go during **for teaching and CUES events** during your first few weeks have been marked on this map.



Department main entrance

Main staircase in Baker Building. Use to access DPO and library.

Disclaimer: This is not the official department map - it has been simplified for the use of freshers in their first few weeks.

Key Links & Contacts

Become a member on our website for heavily subsidised stash, exclusive access to events, free food and drink, job opportunities via our bulletin and more! **Above all become a part of one of the best communities in Cambridge!**

Sign-up fast - for the first few weeks of Michaelmas you can get membership for just £9!

SIGN-UP ON OUR WEBSITE



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CUENG SOC

FACEBOOK

