

DREAM 追夢  
ACT INNOVATE  
實踐 創新  
HKU Engineering 港大工程




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THE UNIVERSITY OF HONG KONG

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# HKU Engineering

港大工程



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# WHY HKU Engineering?

## Honours and Awards

We have 4 Chinese Academy of Engineering Academicians, 13 Chinese Academy of Sciences Academicians, 2 National Academy of Engineering, USA Academicians and 5 Royal Academy of Engineering, UK Academicians.

Source: <https://www.cpaohku.hk/firstandforemost/research>  
<https://www.hku.hk/research/our-researchers/academicians.html>

## Long and Glorious History

### Nurturing Innovators

Established in 1911, HKU is the first university in Hong Kong. The Faculty of Engineering is one of the three founding faculties of the University.



We admit the Best Students

We excel in Research



## Professional Recognition

The Hong Kong Institution of Engineers



Like Law, Medicine and Dentistry, studying for Engineering is leading to a professional degree in Hong Kong. All programmes under the Bachelor of Engineering [JS6963] and Bachelor of Engineering in Biomedical Engineering [JS6925] and Global Engineering and Business

Programme [JS6937] now being offered are accredited by The Hong Kong Institution of Engineers (HKIE). With that standing, the professional qualification of our engineering graduates is mutually recognised by most countries, such as the United States, Australia, Canada, Japan, Korea, New Zealand, Singapore and South Africa. Such recognition widens graduates' career opportunities globally.

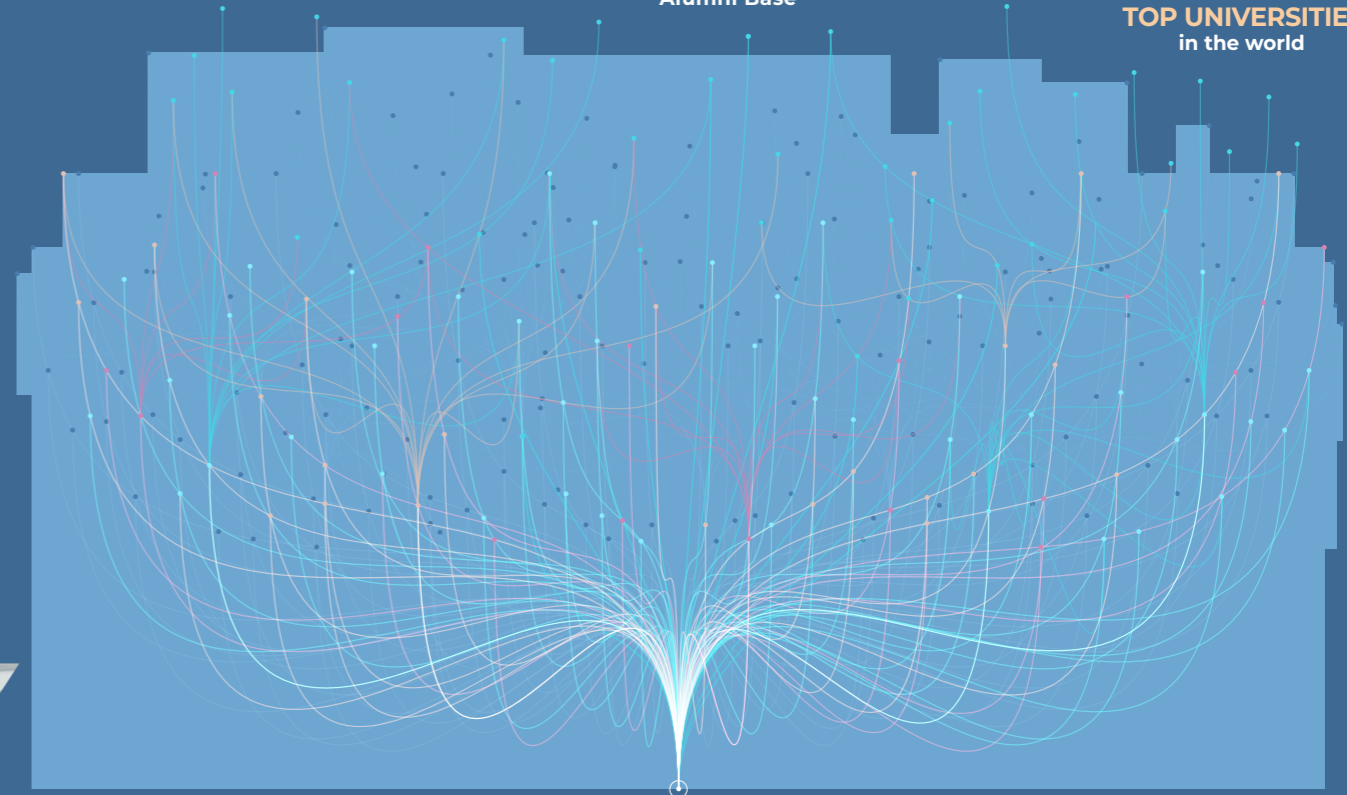
HKU is one of the BEST UNIVERSITIES in Hong Kong, Asia, and the world

We have a LONG AND GLORIOUS HISTORY

We have the STRONGEST Alumni Base

THE HIGHEST EMPLOYMENT RATE among any UGC-funded universities

We stand with the TOP UNIVERSITIES in the world



why HKU Engineering?

HKU Ranked 1<sup>st</sup> in Hong Kong

5th in Asia  
26th in the world  
Quacquarelli Symonds (QS) World University Rankings 2024 and Asia University Ranking 2024

HKU Ranked 1<sup>st</sup> in Hong Kong

4th in Asia  
35th in the world  
Times Higher Education (THE) World University Rankings 2024 and Asia University Ranking 2023

98.9%

Graduate Employment rate in 2022

40,000+

The Strongest Alumni Network in Hong Kong



Faculty of Engineering  
THE UNIVERSITY OF HONG KONG



# APPLY TO HKU

## Comprehensive and Flexible Engineering Programme

### JUPAS INTERVIEW

January 2024 and June 2024

### JUPAS

By December 6, 2023, choose HKU Engineering [JS6963/JS6951/JS6925/JS6248/JS6262/JS6937] as First Choice

### NON-JUPAS:

Application is now open Interview for shortlisted candidates starts in December 2023

#### BEng Programmes (Common Code Admissions) [BEng] [JS6963]

##### ► Common Year 1

Programme Selection<sup>1</sup> at the end of Year 1

##### ► Year 2-4

#### Programmes:

- BEng(CivE) – Civil Engineering
- BEng(CompSc) – Computer Science
- BEng(CE) – Computer Engineering
- BEng(EE) – Electrical Engineering
- BEng(ElecE) – Electronic Engineering
- BEng(IELM) - Industrial Engineering and Logistics Management
- BEng(ME) – Mechanical Engineering

##### ► Declare 2<sup>nd</sup> Major<sup>2</sup> and/or Minor(s) before Year 4

HD/AD holders may apply to enter Year 3 directly

#### BEng in Biomedical Engineering [BEng(BME)] [JS6925]

##### ► Year 1

Engineering Core Courses

##### ► Year 2-4

Advanced Discipline Courses

##### ► Declare Minor before Year 4

#### BASc in Financial Technology [BASc(FinTech)] [JS6248]

##### ► Year 1-2

FinTech Discipline Core Courses

##### ► Year 3-4

Advanced Discipline Courses

##### ► Declare 2<sup>nd</sup> Major and/or Minor(s) before Year 4

#### BEng in Data Science and Engineering [BEng(DS&E)] [JS6262]

##### ► Year 1-2

Engineering and Discipline Core Courses

##### ► Year 3-4

Advanced Discipline Courses

##### ► Declare 2<sup>nd</sup> Major and/or Minor(s) before Year 4

#### BEng in Engineering Science [BEng(EngSc)] [JS6951]

##### ► Year 1

Selection of major option at the end of Year 1

##### ► Year 2-4

#### Major options:

- Healthcare Engineering
- Energy Engineering
- Environmental Engineering
- Materials Engineering
- Systems Analytics

##### ► Declare 2<sup>nd</sup> Major and/or Minor(s) before Year 4

#### Global Engineering and Business Programme (which leads to Bachelor of Engineering / Bachelor of Engineering in Biomedical Engineering and Bachelor of Business Administration Double Degree) [GEBP] [JS6937]

##### ► Year 1

- BEng
  - Common Year 1
  - Programme Selection<sup>1</sup> at the end of Year 1
- BEng(BME)
  - Engineering Core Courses

##### ► Year 2-4

#### BEng Programmes:

- BEng(CivE) – Civil Engineering
- BEng(CompSc) – Computer Science
- BEng(CE) – Computer Engineering
- BEng(EE) – Electrical Engineering
- BEng(ElecE) – Electronic Engineering
- BEng(IELM) - Industrial Engineering and Logistics Management
- BEng(ME) – Mechanical Engineering
- BEng(BME) - Biomedical Engineering

#### Study 9 business courses from 5 major options

- Entrepreneurship, Design and Innovation
- Finance
- Human Resource Management
- Information Systems and Analytics
- Marketing

##### ► Declare 2<sup>nd</sup> Major<sup>2</sup> and/or Minor(s) before Year 4

##### ► Year 5

Study BBA on self-financing basis

<sup>1</sup> There is a quota for each department; selection is based on the academic performance in Year 1.

<sup>2</sup> Only Computer Science students have room for a second major.

# FLEXIBLE

## Programme Structure

The Bachelor of Engineering [JS6963], Bachelor of Engineering in Engineering Science [JS6951], Bachelor of Engineering in Biomedical Engineering [JS6925] and Bachelor of Arts and Sciences in Financial Technology [JS6248], and Bachelor of Engineering in Data Science and Engineering [JS6262] are four-year broad-based, comprehensive and flexible engineering programmes while the Global Engineering and Business Programme (GEBP) [JS6937] is a five-year double degree programme which leads to a Bachelor of Engineering/Bachelor of Engineering in Biomedical Engineering and Bachelor of Business Administration Double Degree.

#### BEng/BEng(EngSc)/BEng(BME)

No. of course(s)

#### University Requirements:

- Language Enhancement Courses 3
- Common Core Courses 6

#### Engineering Core Courses\*

5 - 7

#### Discipline Requirements:

(including core, elective, capstone experience, internship, engineering training and free electives) 24 - 26

**TOTAL 40**

#### BASc(FinTech)

No. of course(s)

#### University Requirements:

- Language Enhancement Courses 2
- Common Core Courses 4

#### BASc Core Courses

3

#### Discipline Requirements:

(including core, elective, capstone experience) 16

#### Free Electives/Second Major/Minor(s)

15

**TOTAL 40**

\* Engineering Core Courses include:

- Calculus and ordinary differential equations
- Linear algebra, probability and statistics
- Fundamental mechanics
- Electricity and electronics
- Engineers in the modern world
- Computer programming I
- Computer programming II OR Thermofluid mechanics

#### BEng(DS&E)

No. of course(s)

#### University Requirements:

- Language Enhancement Courses 3
- Common Core Courses 6

#### Engineering Core Courses\*

4

#### Discipline Requirements:

(including core, elective, capstone experience, internship and free electives) 27

**TOTAL 40**

#### GEBP (Year 1 to 4\*)

No. of course(s)

#### University Requirements:

- Language Enhancement Courses 3
- Common Core Courses 4

#### Engineering Core Courses\*

5 - 7

#### Discipline Requirements:

(including core, elective, capstone experience, internship, engineering training and free electives) 24 - 26

#### Business course from 5 major options

9

**TOTAL 47**

\*With regard to the course to be taken in the fifth year, please refer to the Regulations and Syllabuses for the Degree of Bachelor of Business Administration (BBA) in conjunction with the Degree of Bachelor of Engineering or Bachelor of Engineering in Biomedical Engineering.



# MAJOR AND MINOR OPTIONS

Under the flexible structure, high-calibre students are allowed to pursue major/minor options in a variety of disciplines.

## Major options

BEng(CompSc), BEng(EngSc), BAsC(FinTech) and BEng(DS&E) students can opt for second major study in either another engineering discipline, or areas of study offered by other faculties, by completion of additional 12 to 16 courses in a second major option.

Year of study	BEng(CompSc) / BEng(EngSc)/ BEng(DS&E)	BAsC(FinTech)
<b>Year 1</b>	University and Engineering core courses	University and Discipline core courses
<b>Year 2-4</b>	Discipline courses and courses to fulfill second major options	

## Minor options

Students can opt for minor study in either another engineering discipline, or areas of study offered by other faculties. In general, students have to complete 6 to 8 courses in a minor in addition to their study in the BEng programme.

Offering Faculties	Examples of Minor Options	
<b>Engineering</b>	<ul style="list-style-type: none"> <li>Computer Science</li> <li>Data Science and Engineering</li> <li>Electrical and Electronic Engineering</li> <li>Environmental Engineering</li> <li>Geotechnical Engineering</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Engineering and Logistics Management</li> <li>Innovation and Design</li> <li>Mechanical Engineering</li> <li>Urban Infrastructure Informatics</li> </ul>
<b>Arts</b>	<ul style="list-style-type: none"> <li>French</li> <li>German</li> <li>Global Creative Industries</li> <li>Japanese Language</li> </ul>	<ul style="list-style-type: none"> <li>Korean Studies</li> <li>Music</li> <li>Spanish</li> </ul>
<b>Business and Economics</b>	<ul style="list-style-type: none"> <li>Accounting</li> <li>Economics</li> <li>Finance</li> </ul>	<ul style="list-style-type: none"> <li>Human Resource Management</li> <li>Information Systems and Analytics</li> <li>Marketing</li> </ul>
<b>Science</b>	<ul style="list-style-type: none"> <li>Actuarial Studies</li> <li>Chemistry</li> <li>Computational &amp; Financial Mathematics</li> <li>Environmental Science</li> </ul>	<ul style="list-style-type: none"> <li>Mathematics</li> <li>Physics</li> <li>Risk Management</li> <li>Statistics</li> </ul>
<b>Social Sciences</b>	<ul style="list-style-type: none"> <li>Cognitive Science</li> <li>Geography</li> </ul>	<ul style="list-style-type: none"> <li>Journalism &amp; Media Studies</li> <li>Sociology</li> </ul>

# HKU-CAMBRIDGE

## Undergraduate Recruitment Scheme (Engineering)

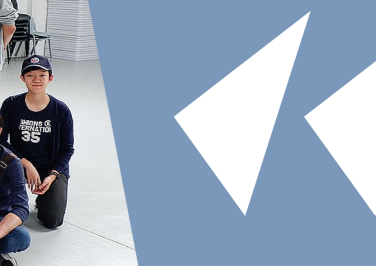
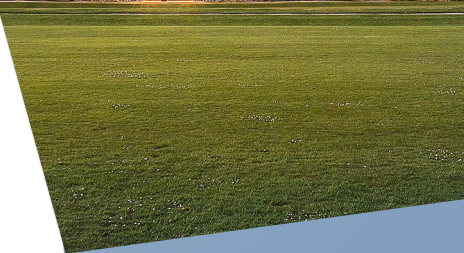
The “HKU-Cambridge Undergraduate Recruitment Scheme (Engineering)” (the Scheme) is a competitive scheme for high-calibre students with excellent academic credentials. Under the Scheme, selected BEng students will study at HKU for the first two years, and continue their studies at the University of Cambridge for their third to fifth year of studies. Upon successful completion of the five years of studies, students will be conferred the Master of Engineering, the Bachelor of Arts (Honours) and the Master of Arts degrees by the University of Cambridge, and the Bachelor of Engineering degree by HKU.

\* Only first year students reading for the BEng, BEng(BME), BEng(EngSc) and GEBP are eligible to apply for the Scheme. BEng(CompSc), BAsC(FinTech) and BEng(DS&E) students are not eligible for the Scheme

# ENTRANCE SCHOLARSHIP

## for Undergraduate Engineering Students

To attract high caliber students, the Faculty of Engineering established the “Entrance Scholarship for Undergraduate Engineering Students” in 2023. Scholarships shall be awarded annually to first year full-time undergraduate students enrolled in UGC-funded programmes on the basis of their academic performance at prevailing public examinations for admissions to the Faculty. Subject to satisfactory academic performance in the first year, the Scholarship shall be tenable for two years.







## Entrusting and empowering our future innovators

Tam Wing Fan Innovation Wing One aims to unleash students' creativity by entrusting them to spearhead ambitious innovation and technology projects that will shape the future. The iconic facility is located at the heart of the campus, offering 2,400m<sup>2</sup> of space with state-of-the-art resources and a supportive environment. Innovation Wing One encourages students to push the boundaries of their imaginations and collaborate across disciplines, fostering groundbreaking solutions to real-world challenges. The atmosphere of creativity, openness and vibrancy fosters interdisciplinary innovations among students and faculty members in Engineering and Technology.

### ▶ Turning idea into reality

Innovation Wing is equipped with comprehensive prototyping facilities and equipment for students to turn ideas into reality. It offers a spacious assembling area with state-of-the-art digitally controlled facilities, such as 3D printers, laser cutting and engraving machines, waterjet cutting machine, measuring tools, hand/power toolsets, and specialised electronic workbenches, for our students to work on their hands-on projects. The digital innovation zone includes a computer-aided design studio, multimedia and podcast studio, and AR/VR studio to support students' innovation with digital technology.



3D printers



Makerspace



Machine workshop



Podcast studio

### ▶ Inspiring advanced technology workshops

The thematic workshops enable students to get in touch with advanced technologies and learn from the faculty members who are experts in the related areas and apply what they have learnt to tackle the grand challenges in the world. For example, in the workshop about new and advanced materials, there is a research-grade 3D Printer that uses micro stereolithography technology to produce highly precise parts with a resolution in micron scale. The workshop on generative AI technologies offers high-performance computing devices and access to cloud computing resources to facilitate the learning and development of advanced AI applications for social good.

### ▶ Sparkling environment for disseminating ideas and achievements

Innovation Wing encourages knowledge exchange and peer learning. Poster hallway, project wall and social media sharing platform are set up for displaying and sharing inventions, ideas and achievements. A seminar stage with an LED wall is located next to the relaxing brainstorming area where students can exchange ideas, showcase their inventive designs and harness timely and constructive feedback from peers and faculty members.

### ▶ Energetic and enthusiastic Student Interest Groups (SIGs)

The Student Interest Group (SIG) programme encourages students with common interests to work together on student-led projects. It attracts not only Engineering students, but also students from other Faculties to collaborate on technology innovative projects.



Electronic workbench



## Discovery of innovative and impactful engineering technologies

Tam Wing Fan Innovation Wing Two has emerged as an empowering platform for engineering researchers, facilitating synergistic interaction and collaboration with professionals and researchers from various disciplines. This convergence enables researchers to address grand challenges and deliver research outputs with significant impact on Hong Kong and global communities.

### ▶ On the Edge of Discovery

Innovation Wing Two is located at G/F of Run Run Shaw Building and is connected with Innovation Wing One via a covered walkway. It serves as an essential platform to disseminate the Faculty's latest research achievements, findings and outputs to the broader HKU and Hong Kong communities.

A wide variety of research-related activities and initiatives including themed exhibitions and weekly TechTalks are conducted by our Faculty members and their PhD students. These activities not only enhance the engagement with the community and show the strength of the Faculty in research, but also attract academics and industry professionals for in-depth communications and collaborations. It allows the Faculty to advance its cutting-edge research fronts and expand its research network with academia and industry in the global context.

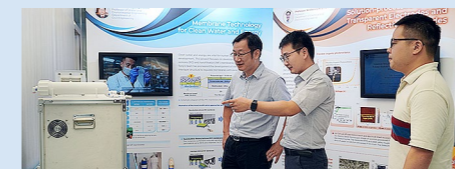


TechTalk



### Tam Wing Fan Innovation Wing

Contact No : (852) 3910 2388  
Email : [innowing@hku.hk](mailto:innowing@hku.hk)  
Website : <https://innowings.engg.hku.hk/innowing/>



### Tam Wing Fan Innovation Wing Two

Email : [innowingtwo@hku.hk](mailto:innowingtwo@hku.hk)  
Website : <https://innowings.engg.hku.hk/innowing2/>



# Innovation Academy

Faculty of Engineering, HKU



## A magnet for talents, a platform to stimulate.

Housed in Tam Wing Fan Innovation Wing One, the Innovation Academy was established to nurture future innovators to generate impactful ideas and products. By organising a series of programmes and activities that achieve three goals of Inspire, Equip and Showcase, it serves as a magnet to attract new talents to work together on innovative projects.



## INSPIRATIONAL PROGRAMMES AND ACTIVITIES

### InnoHub

InnoHub connects students from the ten faculties at HKU for cross-disciplinary collaboration and to prepare them for addressing the grand challenges of the world.



### Pitch your innovative ideas

Students make use of this opportunity to present their innovative ideas and recruit prospective teammates and academic advisors. It helps to improve students' ability to effectively advocate an idea or project to a large group of audience. It also allows flexibility for students to form their own teams and grow their community of interest and passion.



Students present their innovative ideas in the pitching event and receive constructive feedback from the judges.



### Innovation Academy

Contact No. : (852) 3910 2394  
Email : [innoacademy@hku.hk](mailto:innoacademy@hku.hk)  
Website : <https://innoacademy.engg.hku.hk/>

### Engineering Inno Show

This showcase carnival enables students to demonstrate the outcome of learning and showcase their creations at the end of every semester. Students can illustrate their inventive designs and demonstrate their research and projects. They can also harness constructive feedback from peers, teachers, industry experts and the public through knowledge exchange, and spin their ideas into innovative (re)inventions.



Guest speakers of diverse backgrounds are invited to give inspirational sharing on innovation-related topics and their success stories.

### Student-initiated course

This student-run experiential activity provides students with opportunities to design, develop and teach a course on a technology-related topic under the supervision of a Faculty Advisor. By teaching a course of special interest which is not covered in formal engineering curriculum, the process of "learning by teaching" helps to train students' confidence, organisation and communication skills.



Workshops on advanced technologies bring together like-minded students in an active peer learning community.

### Funding scheme for student projects/ activities by Tam Wing Fan Innovation Fund and Philomathia Foundation Innovation Fund

The Scheme aims to support the development of creative student projects/ activities for tackling emerging complex engineering problems in the world. The funded projects/ activities focus on out-of-classroom learning experiences with the aim of aligning with the vision and missions of the Faculty of Engineering and the Innovation Academy.

### Sharing and workshops

Distinguished innovators, entrepreneurs, industry leaders, academic staff, researchers and alumni are invited to give inspirational sharing on innovation-related topics and their success stories. It also creates opportunities for active exchange and learning of hands-on skills and advanced technologies.

InnoHub connects students from the ten faculties at HKU for cross-disciplinary projects.





# STUDENT EXCHANGE PROGRAMME

The Faculty of Engineering encourages students to join either the University-level or Faculty-level exchange programmes to study in prestigious institutions around the world for one semester or one academic year.

An average of 22% of engineering students are going abroad every year. Some examples of the universities are:



**US**  
Drexel University  
Embry-Riddle Aeronautical University  
Princeton University  
Tufts University  
University of California  
University of Illinois at Urbana-Champaign  
University of Wisconsin-Madison

**France**  
CentraleSupélec  
ECAM LaSalle  
Institut National des Sciences Appliquées de Toulouse

**Germany**  
Bremen University of Applied Sciences  
Technical University of Darmstadt  
Technical University of Munich

**UK**  
King's College London  
University College London  
University of Cambridge  
The University of Edinburgh  
University of Nottingham

**Australia**  
Monash University  
University of Melbourne  
University of New South Wales  
University of Queensland  
The University of Sydney

**Canada**  
McGill University  
Queen's University  
The University of British Columbia  
University of Calgary  
University of Toronto  
University of Waterloo

**Spain**  
University of Navarra

**Finland**  
Aalto University

**Denmark**  
Technical University of Denmark

**South Korea**  
Korea Advanced Institute of Science and Technology (KAIST)

**Singapore**  
Nanyang Technological University  
National University of Singapore

**Japan**  
Tohoku University



**Tsang Wai Ho Ricco**

BEng in Mechanical Engineering  
Exchange to Princeton University,  
USA



**Yeung Ho Lam**

BEng in Biomedical Engineering  
Exchange to The University of  
Sheffield, UK



**Liao Jiayang, Susan**

BASc in Financial Technology  
Exchange to Northwestern  
University, USA



**Lau Tak San, Chris**

BEng in Civil Engineering  
Exchange to National  
University of Singapore (NUS),  
Singapore



**Fonda Maydeline**

BEng in Industrial Engineering  
and Logistics Management  
Exchange to University of  
Toronto, Canada

The exchange experience at Princeton University is probably one of the most exceptional periods of my life. The Princeton Exchange Programme gives HKUers a chance to dramatically broaden their horizons. Voyaging halfway across the globe, we see the prosperous and the quaint, the beautiful and the unpretentious. Learning from the pinnacle of technology and acquainting friends from afar, one will undoubtedly return with the fruits of knowledge and the seeds of friendship.

I was particularly memorable for the lab sessions in biomedical instrumentation where we investigated how the visual stimulation through a VR headset influences the behaviour of electrocardiography (ECG).

Together with what I have learned in Hong Kong, this exchange has greatly enriched my exposure to Biomedical Engineering, as well as many other aspects. I was really grateful to have this opportunity, especially during the pandemic.

My exchange experience at Northwestern University is one of the greatest memories of my undergraduate journey.

Voyaging halfway across the world, I never regret taking this chance to touch a brand-new area during the tough pandemic. Not only enriched my exposure to Financial Technology, but the exchange programme also gave me a fantastic opportunity to immerse the local community and cultural diversity through in-person involvement. From attending seminars and meeting alumni to participating in sports and concerts, HKUers are sure to return home with an abundance of knowledge and cherished memories.

During my exchange programme at NUS, I explored Singapore's rich culture and diverse food scene. Through various activities and projects such as making an aluminium beam, I made lifelong friends from different parts of the world. The academic rigour at NUS challenged me to excel, while the support from professors and peers allowed me to grow. My exchange experience was a perfect blend of personal growth, academic excellence and unforgettable memories that I will cherish forever.

My exchange study in Canada provided me with the opportunity to broaden my horizons. Living in a new country enabled me to immerse myself in a different culture, make lifelong friendships, and try a variety of delicious foods. Exploring different parts of Canada allowed me to appreciate the country's natural beauty, diversity, and rich history. But what made my exchange programme truly exceptional was the chance to study at one of the world's top engineering schools. The professors were supportive and engaging and the campus was especially beautiful during spring when the cherry blossoms were in bloom. I highly recommend anyone to consider participating in an exchange programme as it can offer a wealth of new and exciting experiences. Overall, my exchange programme was a fun and memorable experience that I will cherish forever.



# INTERNSHIP

Experiential learning is regarded as an integral part of student's learning experience, and internship / industrial training is the most important component of experiential learning, which is compulsory for most of BEng degree programmes.

Students normally spend six to eight weeks in the summer after their third year of study as internships.



**Lau Hok Yee**

BEng in Electrical Engineering  
Internship at CLP Power

During my one-year internship at CLP Power, I have had the opportunity to work on projects related to smart grid technology, which was a key component of the company's efforts to provide reliable and sustainable energy to customers. One of my main tasks was to work on the research and analyse the benefits of implementing a smart grid system in Hong Kong. Through this project, **I had gained a deeper understanding of the importance of smart grid technology in improving energy efficiency and reducing carbon emissions.** Overall, **my internship at CLP Power was a valuable experience** that allowed me to **acquire practical expertise and skills in the area of electrical engineering.**



**Nicole Wong**

BASc in Financial Technology  
Internship at Standard  
Chartered Bank

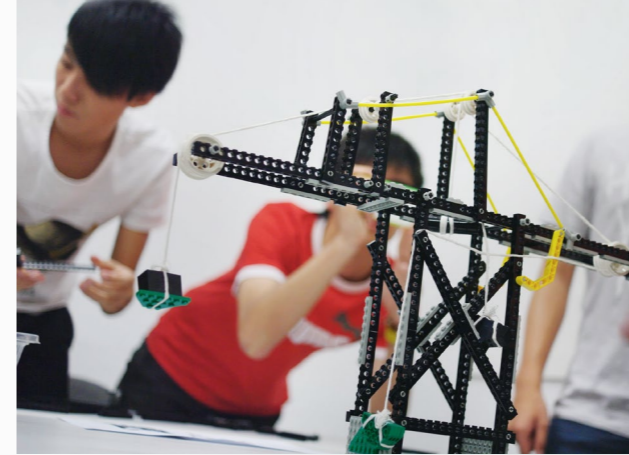
It has been a **fruitful experience working** with Standard Chartered Bank (SCB). Throughout the internship, I got exposures to many different areas of banking, from working in developer team, to project management, to data analytics team. Besides, we also got to **meet the CEO of SCB and gain some insights into the future of FinTech in banking.** Another memorable experience was visiting the Mox Bank and **learned about the role of Virtual Banks in Hong Kong.**



**Li Tsz Ying**

BEng in Civil Engineering  
Internship at Civil Engineering  
and Development Department  
(CEDD), HKSAR

During my internship at CEDD, I had the opportunity to gain hands-on experience in site safety management and BIM coordination. This experience has **equipped me with a comprehensive understanding of the construction industry**, specifically the use of BIM modelling for clash analysis in underground utility construction and work sequence simulation. **These skills are essential for my future growth in the field of civil engineering.** I am grateful for the valuable learning opportunities provided during my time at CEDD, and **I believe this experience has been an enriching and rewarding one.**



**Mak Kai Yim**

BEng in Biomedical Engineering  
Summer Internship at St. Paul's  
Hospital

Last summer, I worked at St. Paul's Hospital as a BME intern. Throughout the internship, I had the chance to work on a variety of hospital issues, mainly on practical tasks such as preventive and corrective maintenance of medical devices and documentation like purchase requisitions, contracts, and data entry. In addition, the experience enables me to work in various clinical departments, including the operating theatre, nursery, and isolation ward, where **I can deal with emergencies and real-world issues while collaborating with medical professionals and patients.**

I am able to apply engineering and biomedical knowledge learnt in university, particularly during device maintenance and analysis. Overall, **it was a valuable and rewarding experience that allowed me to better grasp what it would be like to work** in the BME sector and nurture my desire for being a biomedical engineer in the future.



**Yeung Wa**

BEng in Industrial Engineering &  
Logistics Management  
Internship at the Airport  
Authority Hong Kong

My internship experience at the Airport Authority Hong Kong **was extremely pleasant and rewarding.** During my time there, I was responsible for supporting the operations of the Food Ordering System as well as the HKairport Shop. In addition, my teammates and I had the privilege of designing and developing an app to enhance customers' end-to-end experience. All in all, my experience in conducting market research, user acceptance test, inventory tracking, as well as coordinating with vendors in system development, **made me more proficient and conscientious person.**



**Shen Yujun**

BEng in Engineering Science  
(Double Major in Energy  
Engineering & Finance)  
Internship at IDG Capital  
(Beijing office)

**One of the most enriching and captivating summer experiences in my life** was my internship at IDG Capital, a top-notch venture capital firm. I learned how to use different professional software programs such as Bloomberg and Capital IQ to predict the value of eVTOL companies. I also gained a deeper understanding of how our investment decisions and corporate valuation were impacted by factors such as greenwashing. **I also earned a Bloomberg ESG certificate, which demonstrated my understanding of how businesses should integrate environmental and social concerns into their operations.**





## SERVICE LEARNING

Apart from internship, engineering students are encouraged to engage in social service and apply their professional knowledge to provide solutions to real world situations.

The Department of Civil Engineering has established Project Mingde since 2003. Faculty members, students, and alumni engineers have participated in the feasibility study, planning, design and construction of eight built facilities in Guangxi and Sichuan, China, namely Mingde Building; Gewu Building; Zhengdong Jie Kindergarten; Chaoyang Bridge; Mingde Pan Community and Cultural Centre; Jundi Building; Restoration of Tencun Bridge; and Restoration of Wangdong Bridge. There are five built facilities in Hanoi, Vietnam, namely Sanitation facilities at Tan Hung Secondary School; Library of Cuong Chinh Secondary School; Library of Trung Dung Primary School; Sanitation facilities at Trung Dung Secondary School; and Trung Dung Secondary School Swimming Pond. In addition, two other projects are now working in progress, they are Guigang Duling Primary School Restoration and Expansion in Guangxi; and Restoration of Saint Barnabas' Society and Home Centre in Hong Kong, which is the first local project through which students could help the elderly, the homeless and those in need in the community close to HKU main campus.



Leung Chun-hei  
BEng in Civil Engineering

### Project Mingde – Vietnamese Secondary School Swimming Pond Construction Project 2019

By participating in Project Mingde, we have a **better understanding on the construction process and building techniques**, such as mixing cement mortar, plastering, tile-laying and suchlike. These practical skills were essential for engineering students in their future career. Apart from learning how to build, we were given opportunities to communicate with the contractors and clients. Progress meetings were held to discuss the construction progress and problems encountered during the work. **It was an adventurous and eye-opening experience for me.**

## UNDERGRADUATE RESEARCH FELLOWSHIP PROGRAMME

Students who are interested in research and development or pursuing an academic career can undertake research under the guidance and supervision of academics who have a strong research track record and experience in training research postgraduate student, either in HKU or in prestigious overseas institutions like Stanford University, University of Illinois at Urbana-Champaign, Imperial College London, University College London, University of California, Berkeley, The University of Sydney, National University of Singapore and Tsinghua University. Students who perform well under the programme will be considered for early admission to research postgraduate programmes at HKU.



Nirmani Nayanathara  
BEng in Electronic Engineering

### Undergraduate Research Fellowship Programme at Stanford University, US

Joining the Undergraduate Research Fellowship Programme at the Stanford University **truly opened my mind to the true impact that research could make and gave me a taste of what it would be like to pursue higher studies.**

## INTEGRATED STUDY-WORK PROGRAMME

Students can take a 6- to 12-month full-time internship in the engineering industry to benefit from the on-the-job training as future professional engineers.

## CAPSTONE EXPERIENCE

Capstone Experience focuses on the integration and application of knowledge and skills that students have acquired throughout their undergraduate studies. The most important capstone experience for engineering students is the final-year-project.

## PROFESSIONAL PREPARATION PROGRAMME

The Professional Preparation Programme aims at facilitating students to make informed career choices and broadening their knowledge in the job market, and to enhance students' employability. Students will be equipped with techniques in writing curriculum vitae and attending interviews, as well as nurturing better social networking and communication skills.





# STUDENT ACHIEVEMENTS

At HKU Engineering, we focus on nurturing students with an all-rounded development. Students are encouraged to acquire hands-on experience and equip themselves with a global outlook. Many of them performed remarkably well in local and international competitions.



Grand Prize (Category I – An Invention) of the HKIE Innovation Award 2021 (Young Member Group)



Race Tech William Kimberley Award in the Formula Student UK 2022 Concept Class competition



Top 10 Outstanding Tertiary Student of Hong Kong 2022



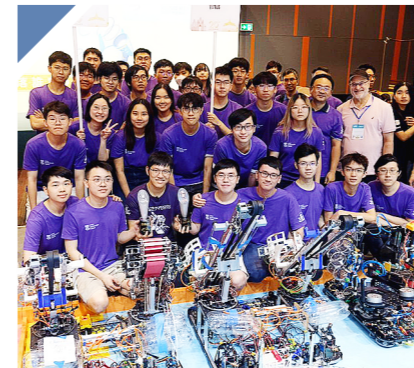
Silver Award in the ASMP Technology Award 2023



Champion of The ICE HKA G&S Model Building Competition



Champion of The HKIE Enginpreneurs Award 2021 – Young Innovators



1<sup>st</sup> runner-up, 2<sup>nd</sup> runner-up and Best Performance Award in The Robocon 2023 Hong Kong Contest



Championship of IMechE The Greater China Design Competition 2023



Outstanding UI/UX design in Cathay Hackathon 2022



Champion of the CILTHK Student Day 2022 Competition



2<sup>nd</sup> runner-up and Best Introductory Video Clip in the 2022 Esri Young Scholars Award



Grand Champion in Cash Algo Global Trading Challenge



First runner-up at Global Grand Challenges Summit 2019 in London



An Engineering student project team set the Guinness World Record “The fastest 50m Swim by a Robotic Fish” for the second time



Championship and first runner-up at British Model Flying Association 2022 University and Schools Payload Challenges





## BEng in Civil Engineering

Civil Engineering is the science and art of utilising natural resources and power for the beneficial use of mankind. Civil Engineers are responsible for the design, construction and safe-keeping of our infrastructure and built environment. They ensure that our buildings, roads and bridges are safe and effective, our slopes are safe from failures, our stormwater drainage systems are adequate to prevent flooding, our wastewater is collected, and treated properly to protect our environment, and all components of our infrastructure are functioning in a safe, comfortable and sustainable manner.

The 4-year programme provides students with the academic qualification towards the professional status of a Civil Engineer. The Main Subject Areas of studies included:

1. Construction Management
2. Environmental Engineering (e.g. wastewater treatment, solid waste treatment)
3. Geotechnical engineering (e.g. engineering geology, soil mechanics, foundation design)
4. Structural engineering (e.g. analysis and design of concrete and steel structures)
5. Transportation Engineering

### “FOCUS” of the programme

Students may organise their study of disciplinary elective courses to specialise in one of the following focuses:

- Environmental Engineering
- Smart Transport and Logistics
- Urban Informatics

### Career Prospects

Most of our graduates are employed by:

- Works Departments in the HKSAR Government
- Consultant Firms
- Construction Companies
- Developers



Covid-19 Sewage Testing



Civil Engineering Society

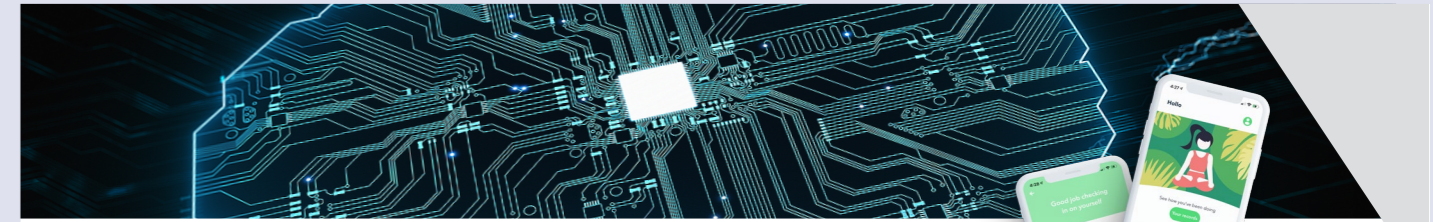


High-rise Modular Integrated Construction (Courtesy of HKSTP and ArchSD)



### Department of Civil Engineering

Contact No : (852) 3917 2286  
 Email : [civdept@hku.hk](mailto:civdept@hku.hk)  
 Website : <http://www.civil.hku.hk/>



## BEng in Computer Science

The BEng(CompSc) programme is a programme that offers a solid education in the fundamental and essential areas of computing. It is a timely and practical curriculum that is essential for aspiring students and future IT professionals. Upon completion of this curriculum, students will be well-equipped with both basic and advanced knowledge in computer science, which aims to better prepare students to launch their careers in the IT industry and/or to pursue postgraduate studies in this area.

Computer science is a fast-growing discipline. Its importance is evident in the profound impact that the use of computers has on our lives. Computer science education is now as indispensable as any of the traditional programmes in any established university.

### Highlights of the programme

**Flexibility** – Students can use elective credits to satisfy a second major or a minor programme.

**Research opportunities** – Outstanding students will have the opportunity to undertake research projects supervised by renowned professors.

**Capstone Experience** – Students have to join an internship in the industry and work on a final project which could be a research-based or software-development or industry-based project.

### “FOCUS” of the programme

Students may organise their study of disciplinary elective courses to specialise in one of the following focuses:

- **AI & Robotics** courses cover intelligence systems, machine learning, and robotics.
- **Big Data Analytics** courses focus on data analytics and the application of big data.
- **CyberSecurity** courses focus on cryptography, cyber attack and defence, applications of blockchain and computer forensics.
- **Financial Computing** courses focus on the technologies and their applications in the finance and business domain.
- **System & Networking** courses cover the design and implementation of computer hardware, software, and distributed systems.
- **Theoretical Computing** Science courses focus on mathematical aspects of computing and are more on theory than practice.

### Career Prospects

Computer Science graduates are very employable, not just for IT jobs but for other analytical roles too. The problem-solving skills and analytical abilities that our graduates developed during their undergraduate study proved to be very valuable in many areas of endeavour.

Examples include IT professionals in different sectors of society, say banking & finance, building & construction, the government, education, IT & telecommunication, property, and manufacturing, etc.



### Department of Computer Science

Contact No : (852) 2859 2180  
 Email : [enquiry@cs.hku.hk](mailto:enquiry@cs.hku.hk)  
 Website : <https://www.cs.hku.hk/programmes/beng-compssc/admission>





## BEng in Computer Engineering/ Electrical Engineering and Electronic Engineering

Electrical and Electronic Engineering (EEE) is a broad engineering field consisting of a wide range of sub-fields such as microelectronics, computers, power engineering, telecommunication, control systems, and signal processing. The Department of EEE offers 3 bachelor's degree programmes focusing on different sub-fields.

### “FOCUS” of the programme

#### Computer Engineering (CE)

- Ambient Computing: Reconfigurable computing/ Energy-efficient computer architecture
- Big Data Processing: Data engineering/ Machine intelligence
- Robotic & Autonomous Systems: Humanoid robots / Autonomous machines

#### Electrical Engineering (EE)

- Smart Power Systems: Power systems / Renewable energy / Smart grids
- Modern Electric Transportation: Electric railways / Electric vehicles / Industrial applications
- Intelligent Built Environment: Energy-efficient lighting / Smart buildings

#### Electronic Engineering (ElecE)

- Nanoelectronics: Circuits & IC design / Fiber optics / Imaging / Biophotonics
- Next-generation communications: WiFi / 5G 6G / Internet of things/ Cloud networks
- Data and AI systems: Multimedia signals & applications / Electronic commerce / Data analytics

### Career Prospects

- Government, Transportation and Public Utilities
- Technology and Finance Companies
- Further Studies



Department of Electrical and Electronic Engineering

Contact No : (852) 3917 7093  
Email : [undergrad-admission@eee.hku.hk](mailto:undergrad-admission@eee.hku.hk)  
Website : <https://www.eee.hku.hk>



## BEng in Industrial Engineering and Logistics Management

BEng(IELM) focuses on technology and management tools which integrate the whole lifecycle of product and service design and development, procurement, operations, and logistics from raw materials to customer satisfaction. This programme aims at developing students' ability to acquire the relevant skills for the global business environment, together with an integrated view towards problem solving in industrial, logistics and service systems.

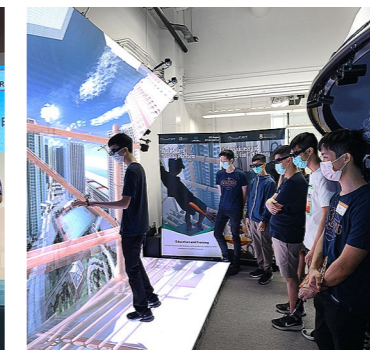
Students will learn not only to work as good team players, but also to acquire an understanding of value-adding business activities and the necessary entrepreneurial skills to identify potential opportunities for organisations. Graduates of this programme are expected to have a keen awareness of career growth, challenges and opportunities, as well as a strong desire to be future leaders who are achievement-oriented and far-sighted.

### “FOCUS” of the programme

- Logistics Engineering
- Smart Transport and Logistics
- Systems Analytics

### Career Prospects

- Banking and Finance
- Consultancy
- Logistics and Transport
- Services and Manufacturing



Department of Industrial and Manufacturing Systems Engineering

Contact No : (852) 3917 2586  
Email : [imse@hku.hk](mailto:imse@hku.hk)  
Website : <https://www.imse.hku.hk>





## BEng in Mechanical Engineering

Mechanical engineering plays a vital role in all engineering systems that involve moving parts, such as aeroplanes, buildings, automobile, medical equipment, power plants, robots, to name just a few.

The degree of BEng in Mechanical Engineering aims to train up our graduates for the prosperous professional paths open to them. It is broadly based to allow students to acquire a basic engineering science knowledge, such as thermodynamics, fluid mechanics, solid mechanics, materials technology, dynamics & control. It is also flexible enough to enable students to specialize in areas of their own interest for instance aeronautical engineering, biomedical engineering, control & robotic, energy & environment, mechanics & materials, nanotechnology, product design & manufacture as well as thermo-fluids for developing the specific knowledge and career profile.

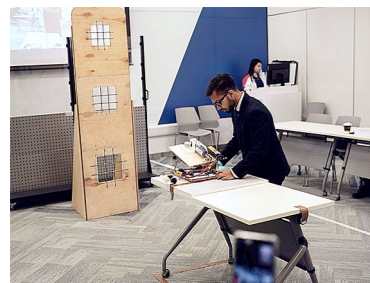
### “FOCUS” of the programme

Students may organise their study of disciplinary elective courses to specialise in one of the following focuses:

- Robotics, Drones and Control
- Aerospace Engineering
- Intelligent Built Environments
- Materials Science and Engineering
- Environmental Engineering
- Energy Engineering

### Career Prospects

- Manufacturing
- Transport & public utilities
- Building, construction & consulting firms
- Government
- Finance and insurance



Setting up the launcher during IMechE The Greater China Design Competition 2023.



2022 BMFA Design, Build and Fly Competition



ME students received the award of HKIE Environmental Division Final Year Project Competition 2022



### Department of Mechanical Engineering

Contact No : (852) 3917 2635  
Email : mech@hku.hk  
Website : <https://www.mech.hku.hk/>



## BEng in Biomedical Engineering

HKU offers the BEng(BME) degree through its Faculty of Engineering and LKS Faculty of Medicine. This programme aims to nurture the next generation of engineers, equipping them to enhance health and quality of life through innovative engineering designs and principles. Rooted in a robust interdisciplinary framework encompassing basic sciences, mathematics, engineering, and life sciences, the curriculum spans various contemporary BME disciplines and provides diverse experiential learning opportunities. Students gain expertise in applying engineering principles to advance biomedical practices and research, while also fostering a sense of professional, ethical, and social responsibility towards health-related matters. The BEng(BME) programme fosters well-rounded engineers who will contribute significantly to the betterment of society's well-being.

### “FOCUS” of the programme

Students may organise their study of disciplinary elective courses to specialise in one of the following focuses:

- Advanced biomedical signals and systems
- Biomaterials and tissue engineering
- Biomechanics and biotransport
- Biomedical imaging technologies and applications
- Omics technologies

### Career Prospects

- Global or local biotechnology/ medical technology related companies
- Universities
- Hospitals
- Public sector
- Start-up
- Further studies (Master or PhD degrees) in Hong Kong or overseas



### Biomedical Engineering Programme

Contact No : (852) 3917 2803  
Email : bmeengg@hku.hk  
Website : <https://www.engineering.hku.hk/bmeengg/>





## BEng in Engineering Science

The BEng in Engineering Science programme is a unique science-based programme that aims at preparing future engineers and leaders of innovation who have the solid engineering skills and in-depth interdisciplinary knowledge needed to take on many of the global challenges that humankind faces.

This programme adopts a major/minor structure in which students select one of the five majors, and then pursue a second major in one of the remaining four majors; or a second major and/or minor(s) offered by the Faculty of Engineering or other faculties.

This programme is a special programme of HKU Engineering, and it is the most flexible programme in the Faculty of Engineering. This is a multi-disciplinary programme providing a wide range of career prospects to nurture future leaders of innovation. Because of the small cohort size with professors pooled from all engineering departments, students are likely to build a strong network for their professional development.



### Highlights of the programme

#### Flexible Multi-disciplinary Curriculum

	Other BEng Programmes [JS6963]	BEng(EngSc) [JS6951]
University requirements	54	54
Major	174	96
Electives	12	90*
<b>Total no. of credits</b>	<b>240</b>	<b>240</b>

#### Options for Electives:

- (1) Second Major (72-96 credits)
- (2) Minor (36-48 credits)
- (3) Free and Additional Disciplinary

+ Electives (18-96 credits)

Requires at least 90 credits

#### BEng(EngSc) =

BEng + Chemistry  
Statistics  
Computer Science  
Finance  
Economics  
Global Studies  
Urban Studies  
Spanish  
+ Your Choices

### Career Prospects

#### Five Majors

##### Healthcare Engineering

Electrical & Electronic Engineering  
Mechanical Engineering  
Biomedical Science

#### Subjects

• Healthcare  
• Medical imaging/ devices  
• Life science  
• Cell/ tissue engineering

#### Possible careers

• Biomedical engineers  
• Research engineers

##### Energy Engineering

Electrical & Electronic Engineering  
Mechanical Engineering

• Energy crisis  
• Renewable energy  
• Power systems  
• Electric vehicles

• Engineers in power and electricity company, mass transportation corporation, civil service

##### Environmental Engineering

Civil Engineering  
Mechanical Engineering

• Waste management  
• Hydrology  
• Pollution control  
• Renewable energy

• Engineering consultants  
• Scientific officers  
• Engineers in civil service

##### Materials Engineering

Electrical & Electronic Engineering  
Mechanical Engineering

• Nanotechnology  
• Biomaterials  
• Optical network  
• Aeronautical applications

• Materials engineers  
• Research engineers

##### Systems Analytics

Systems Engineering  
Statistics  
Computer Science

• Internet of things  
• Artificial intelligence  
• Digital twin  
• Virtual and augmented reality

• Quantitative analyst  
• Business analyst  
• Data scientists  
• Industrial and systems engineers



### Department of Industrial and Manufacturing Systems Engineering

Contact No : (852) 3917 2586  
Email : engsc@hku.hk  
Website : <https://www.imse.hku.hk/beng/beng-engsc>



## BAsC in Financial Technology

The BAsC(FinTech) degree programme, which is hosted by the Department of Computer Science, is one of the six BAsC programmes that aim at nurturing future leaders with interdisciplinary knowledge and skills to address the contemporary and future challenges of the ever-changing world.

The main objective of the programme is to nurture financial technologists and entrepreneurs with essential knowledge in finance, technology, and regulations for taking up a leadership role in innovation and applications of Financial Technology. The programme combines subjects on computing, finance, and policies and regulations to give students a thorough grounding in the FinTech discipline. Besides discipline focus courses, students are required to take three cross-disciplinary courses that focus on leadership training, the foundation of knowledge, and data analysis. Moreover, there will be internship opportunities for students to put theory into practice.

### Highlights of the programme

**Interdisciplinary Knowledge and Skills** – includes subjects on computing, finance, policies and regulations, and cross-disciplinary courses.

**Scholarships in FinTech** – the HKU-SCF FinTech Academy offers up to eight entrance scholarships, each at the value of \$50,000 and renewable up to \$200,000, exclusively for BAsC(FinTech) students with outstanding academic performance.

**Enrichment and Research Opportunities** – offered by HKU-SCF FinTech Academy.

**Internship Schemes with Industry**



### “FOCUS” of the programme

#### FinTech Focus with Essential Legal Studies

Students have to take at least two legal subjects offered by the Faculty of Law that are related to finance and technology.

### Career Prospects

Graduates of this programme are expected to become FinTech professionals, leaders in the FinTech industry, and researchers in the FinTech discipline. They could take up a wide range of positions in FinTech, IT, finance, and regulatory compliance, or even have their own start-ups. The finance and IT industries have a wide range of jobs for this talent group such as blockchain developer, apps developer, compliance expert, cybersecurity analyst, etc.

Some may choose to continue their studies by pursuing a master or doctoral degree in Hong Kong or overseas.



### Department of Computer Science

Contact No : (852) 2859 2180  
Email : enquiry@cs.hku.hk  
Website : <https://www.cs.hku.hk/programmes/basc-fintech/overview>





## BEng in Data Science and Engineering

Fast emerging data science and engineering technologies such as data analytics, artificial intelligence, and big data infrastructure boost the transformative impact of big data on businesses, industries and society.

The BEng(DS&E) programme is a professional degree in Data Science and Engineering offered by the Department of Computer Science, with support from the Department of Statistics and Actuarial Science, Department of Mathematics, and Faculty of Law.



The curriculum is built upon a fine combination of foundation courses in data science, computing, mathematics, statistics, and law, and is designed to provide students with advanced training in both theory and practice in Data Science and Engineering. It is also unique in its emphasis on data privacy, ethical and legal issues for the data science profession, and privacy-preserving techniques. Students may also pursue a minor in a data-intensive field, thus bridging domain-specific knowledge with data science and engineering skills.

### “FOCUS” of the programme

- **Privacy-awareness:** Students will be equipped with data security knowledge, in connection with the protection of data privacy.
- **Data-centric techniques:** Various analysis techniques for different types of data (e.g. imaging data, IoT data, and diverse data obtained from the Internet of Everything (IoE)) will be introduced.
- **Domain-specific minors and capstone experience:** We provide an option for students to take a minor in a specific domain, e.g., GIS in Geography, BIM in architecture, and biomedical data analysis. Students will demonstrate their data science skills and how data science can benefit a selected domain through the capstone project.

### Career Prospects

- This programme is built to nurture professionals equipped with core knowledge and technologies in data science and practical training in data engineering, and capable and passionate in driving different disciplines to excel in the era of big data. It provides a solid foundation for students pursuing careers and research in the data science discipline.
- The programme gives students a new and exciting career choice in the fastest-growing job positions like data engineer/architect, data scientist, data analyst, machine learning engineer, big data engineer, business analyst, and information security analyst.



#### Department of Computer Science

Contact No : (852) 2859 2180  
Email : enquiry@cs.hku.hk  
Website : <https://datasce.cs.hku.hk/>

# Global Engineering and Business Programme

(which leads to a Bachelor of Engineering/Bachelor of Engineering in Biomedical Engineering and Bachelor of Business Administration Double Degree)

Bachelor of Engineering/ Bachelor of Engineering in Biomedical Engineering		Bachelor of Business Administration
University and Engineering core courses	Year 1	Study 9 business courses from 5 major options:
University and Engineering disciplines courses	Year 2 - 4	<ul style="list-style-type: none"> <li>• Entrepreneurship, Design and Innovation (Candidates must undergo a selection process arranged by the Programme Coordinator for declaring this major)</li> <li>• Finance</li> <li>• Human Resource Management</li> <li>• Information Systems and Analytics (Major in ISA is not open to candidates of BEng in Computer Science)</li> <li>• Marketing</li> </ul>
Complete Engineering programme requirements and receive BEng degree	By end of Year 4	
	Year 5	Study BBA on self-financing basis and receive BBA degree

The Faculty of Engineering and the HKU Business School jointly offer a Global Engineering and Business Programme (JS6937). Students can receive two degrees, namely Bachelor of Engineering and Bachelor of Business Administration after the completion of five years of study at HKU.

### Highlights of the programme

- This is an interdisciplinary programme in which students will acquire professional knowledge in both Engineering and Business from a global perspective.
- Students will undertake the first four years of study focusing in BEng or BEng(BME) curriculum, with a number of courses in Business. On successful completion of the degree of BEng or BEng(BME) with a Second Class Honours and the prescribed Business courses, students may proceed to the fifth year of study leading to the degree of BBA, in one of the following majors:
  - Major in Entrepreneurship, Design and Innovation (Note: Candidates must undergo a selection process arranged by the Programme Coordinator for declaring this major)
  - Major in Finance
  - Major in Human Resource Management
  - Major in Information Systems and Analytics (Note: Major in ISA is not open to candidates of BEng in Computer Science)
  - Major in Marketing

### Career Prospects

The majority of BEng graduates will work in the engineering sector, with other students serving the societies in the business, education, social and community sector. Around 16% of the BEng graduates will pursue further studies in Hong Kong or overseas. At the same time, as BBA graduates, students can also pursue a career in fields such as accounting, advertising, banking, brand management, customer relationship management, finance, human resource management, information systems, investment, marketing research and marketing management.



#### Faculty of Engineering

Contact No : (852) 3917 2803  
Email : enggugad@hku.hk  
Website : <https://www.ugadmissions.engg.hku.hk/gebp>



# ADMISSIONS REQUIREMENTS

**JUPAS Route** Minimum entrance requirements to HKU Engineering:

BEng Programmes [JS6963]	
HKDSE Subject	Level
Core Subject	
English	3
Chinese	3
Mathematics	3
Liberal Studies / Citizenship and Social Development	2 / Attained
Elective Subject	
Physics/Combined Science with Physics component	3
Another elective subject	3

Level 3 in Extended Module 1 or 2 of Mathematics is preferred but not required.

BEng(DS&E) [JS6262]	
HKDSE Subject	Level
Core Subject	
English	3
Chinese	3
Mathematics	3
Liberal Studies / Citizenship and Social Development	2 / Attained
Elective Subject	
Extended Module 1 or 2 of Mathematics	3
Another elective subject	3

BASc(FinTech) [JS6248]	
HKDSE Subject	Level
Core Subject	
English	4
Chinese	3
Mathematics	3
Liberal Studies / Citizenship and Social Development	2 / Attained
Elective Subject	
Another 2 elective subjects	3

Candidates with level 4 in English Language, if admitted, will be required to take 6 additional credits in Core University English to complete their degree studies.

GEBP (i.e. BEng/BEng(BME) & BBA Double Degree) [JS6937]	
HKDSE Subject	Level
Core Subject	
English	4
Chinese	3
Mathematics	4
Liberal Studies / Citizenship and Social Development	2 / Attained
Elective Subject	
Physics/Combined Science with Physics component	3
Another elective subject	3

Level 3 in Extended Module 1 or 2 of Mathematics is preferred but not required.

BEng(EngSc) [JS6951]	
HKDSE Subject	Level
Core Subject	
English	3
Chinese	3
Mathematics	3
Liberal Studies / Citizenship and Social Development	2 / Attained
Elective Subject	
Chemistry/Combined Science/ Biology/ Physics/ Integrated Science	3
Another elective subject	3

Level 3 in Extended Module 1 or 2 of Mathematics is preferred but not required.

BEng(BME) [JS6925]	
HKDSE Subject	Level
Core Subject	
English	3
Chinese	3
Mathematics	3
Liberal Studies / Citizenship and Social Development	2 / Attained
Elective Subject	
Biology, Chemistry, Physics, Combined Science with Biology component, or with Chemistry component, or with Physics component	3
Another elective subject/ Extended Module 1 or 2 of Mathematics	3

## Non-JUPAS Route

Applicants with other local/international/national qualifications will be considered on an individual merit basis. Applicants for BEng, BEng(BME) and GEBP are required to have good grades in Mathematics and Physics; applicants for BEng(EngSc) are required to have good grades in Mathematics and Biology/ Chemistry/ Physics; and applicants for BASc(FinTech) and BEng(DS&E) are required to have good grades in Mathematics. Examples of some common qualifications are:

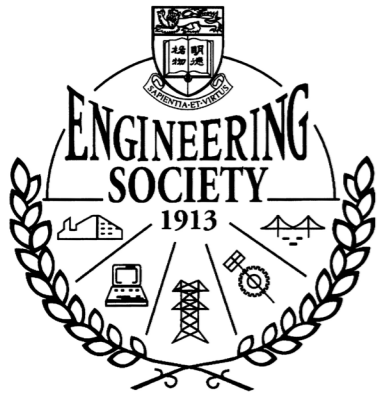
- GCE A-Level
- International Baccalaureate (IB)
- Indian Board Examination
- STPM/UEC under the Malaysian examination system
- Indonesian Examination System
- Canada Provincial Examinations
- SAT/Advanced Placement (AP) Test under the US system
- Associate Degree/Higher Diploma

## Direct Admissions Scheme (DAS)

Local graduates/final-year students of a recognised full-time Associate Degree (AD) or Higher Diploma (HD) programme at Hong Kong institutions are welcome to apply for admissions to the third year of BEng programmes in the DAS.







Engineering Society, which was established in 1913, is the oldest faculty-based society at the University of Hong Kong.

Engineering Society has always been an important part of the Faculty. Apart from that, every engineering student is a member of the Society.



Engineering Society, in 1960.

Engineering Society acts as a bridge between all engineering students, the Society and the Faculty. The Society also aims to serve all members through diverse activities and comprehensive welfare. From its earliest days, the Society was instrumental in building links with the industry and engineering professionals in Hong Kong.

Inheriting this tradition, the Engineering Society organises regular activities for members both for academic and recreational purposes. The Society also maintains strong links with professional bodies such as the Hong Kong Institution of Engineers.



The society room of the Engineering Society is in LG101, Composite Building. Engineering students can enjoy their time and purchase society products there.



Executive Committee of the Engineering Society, Session 2023-2024.



Engineering Society

Email : [enginsoc@hku.hk](mailto:enginsoc@hku.hk)

