



Faculty of Engineering
THE UNIVERSITY OF HONG KONG



(852) 3917 2803
@ enggugad@hku.hk
https://ugadmissions.engg.hku.hk/
f Faculty of Engineering, HKU
HKU Engineering
HKU Engineering
in HKU Engineering

The information in this booklet is accurate as of September 2026 and is subject to change.

HKU Engineering
港大工程

Dreams
in Motion
築夢無界

2027
ADMISSIONS



Faculty of Engineering
THE UNIVERSITY OF HONG KONG

WHY HKU ENGINEERING

HKU Engineering is home to world-renowned scholars and state-of-the-art facilities, providing a dynamic environment for innovation and advanced research. Our faculty's cutting-edge expertise and resources enable us to deliver a comprehensive, broad-based education that prepares students to meet global challenges.

Each year, around 600 undergraduates and over 2,500 postgraduate students join our vibrant community. Backed by renowned scholars and advanced facilities, we strive to foster innovation, create impactful research, and shape the future of engineering.

A LEGACY OF EXCELLENCE

115

Years of Pioneering Education

A FOUNDING FACULTY

at HKU, Forging the Future Since Day One

TOP UNIVERSITY IN THE WORLD



1 in Asia **11** in the world

Source: Quacquarelli Symonds (QS) World University Rankings 2027 and Asia University Ranking 2026



6 in Asia **33** in the world

Source: Times Higher Education (THE) World University Rankings 2027 and Asia University Ranking 2026

DIVERSE ENGINEERING EDUCATION



Department of Civil Engineering



Department of Data and Systems Engineering



Department of Electrical and Computer Engineering



Department of Materials and Energy



Department of Mechanical Engineering

WELL-ESTABLISHED SUBJECTS



Civil & Structural Engineering

20 in the world

Data Science & Artificial Intelligence

1 in Hong Kong **18** in the world



Computer Science & Information Systems

1 in Hong Kong **27** in the world

Source: QS World University Rankings by Subject 2026

OUTSTANDING ACADEMIC & RESEARCH EXCELLENCE



12 Cumulative number of Hong Kong Academy of Engineering Academicians

11 Academics selected as Young Member of Hong Kong Academy of Engineering

5 Cumulative number of Chinese Academy of Engineering Academicians

12 Academics named Clarivate's "Highly Cited Researcher 2025"

Source:
<https://www.cpao.hku.hk/firstandforemost/research>
<https://academicdevelopment.hku.hk/awards-recognition/hku-recipients-of-awards-honours/>

LEARNING AT HKU ENGINEERING

Structured Curriculum: Build a strong foundation

Our structured curriculum equips you with a solid foundation in engineering knowledge while allowing you to gain real-world practical experience through active learning, internships, and capstone projects.

Active Learning: Tackle challenges and innovate for the world

Two active learning courses help students build practical skills, work in teams, and tackle real-world engineering challenges. Through prototyping activities and hands-on projects, students learn by doing, explore ideas, test solutions, and develop the confidence to solve future engineering problems.

A Journey of Exploration: Grow into a well-rounded talent

Student development extends far beyond the classroom. We foster a vibrant culture that inspires students to explore their passions and connect with the community, society and the world through a rich array of opportunities. Backed by the University's comprehensive health and wellness support, our students are empowered to thrive both personally and academically.

AI-ready Engineer: Harness AI for real-world engineering solutions

We recognise the importance of AI and are embracing it in order to ensure that we can leverage its power and potential for good. It is compulsory for all our students to take two AI literacy courses, and optional to enroll in AI courses for their respective disciplines.

Innovative Culture & Ecosystem: Thrive in a creative community

To empower our students to become talents and leaders in a fast changing world, we established the Innovation Wing as an accelerator and the Innovation Academy as the fuel. It connects scholars, industry leaders and influencers with our students, offering comprehensive programmes to help students turn their ambitions into reality.

WANT A TASTE OF STUDYING AT HKU ENGINEERING?

HKU Engineering partners with the **HKU Academy for the Talented** and the **HKU Summer Institute** to offer inspiring taster activities and summer programmes, empowering prospective students to uncover their full potential by immersing themselves in our vibrant learning environment and engaging directly with our professors.

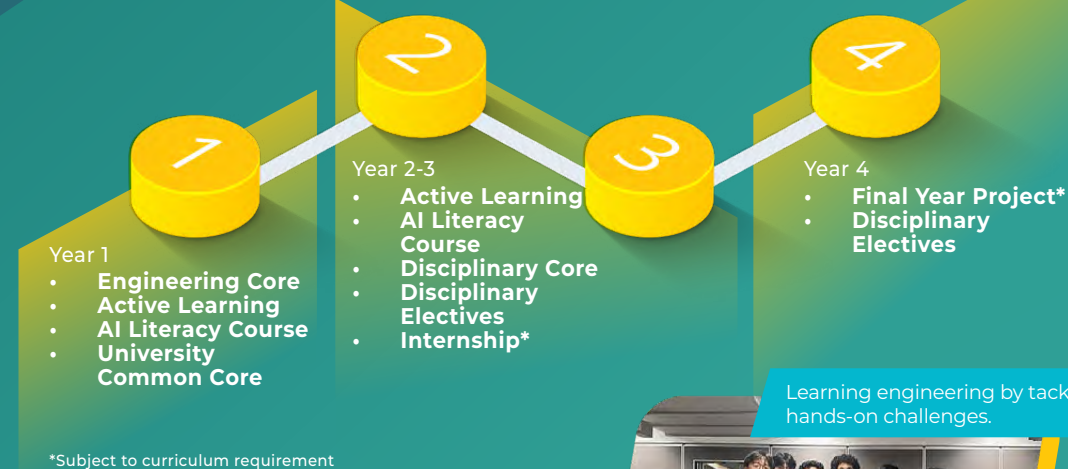


HKU Academy for the Talented



HKU Summer Institute

CURRICULUM STRUCTURE



Learning engineering by tackling hands-on challenges.



ACTIVE LEARNING

Engineering Challenge (ENGG1101)

- Hands-on, project-based learning for first-year engineering students.
- Team-based design, building and testing engineering solutions.
- Semester 1: Problem definition, solution design, evaluation and implementation planning.
- Semester 2: Building, testing and turning concepts into reality.

Engineering Challenge II (ENGG2202)

- Second-year students work in multidisciplinary teams to solve engineering challenges.
- Students build the competencies needed to apply discipline knowledge to advanced challenges.
- Students develop active learning skills through Think-Pair-Share, real-world exploration, prototyping, testing, reflection and peer collaboration.
- Faculty instructors provide close guidance and support throughout the learning journey.

A lively hands-on experience that makes engineering learning fun.



From early ideas to working prototypes, students build from scratch.

INNOVATION ACADEMY

Tam Wing Fan Innovation Wing is a hub with over 2,400m² at the heart of campus, connecting students, scholars and industry leaders to cultivate ambitious technology projects. With these network and cutting-edge facilities, students can turn bold ideas into real innovations that make a lasting impact.



Housed in the Innovation Wing, the Innovation Academy nurtures future innovators with the philosophy to **Inspire, Equip and Showcase** our students through inspiring talks, workshops, student-initiated courses, study tours, pitching activities and the Engineering Inno Show, etc.



RAICOM Robotics Team claims Third Class Honour in the "Treasure Hunter" Semi Autonomous Mission" category at the Robotics and Artificial Intelligence Competition (RAICOM) National Final.



The HKU Robocon Team represented Hong Kong and achieved its first-ever victory at the Asia-Pacific Broadcasting Union's Asia-Pacific Robot Contest 2026 (ABU Robocon 2026).



Project "ACTalyse" crowns Champion at the HKAE Pitch Competition on Grand Challenges Engineering Topics for University Students 2025-26.



Inno Wing One

Contact No : 3910 2388
Email : innowing@hku.hk
Website : <https://innowings.engg.hku.hk/innowing1/>

REAL-LIFE INDUSTRY AND INSTITUTIONAL PROJECTS

Through collaborations with industry partners and overseas institutions such as the University of British Columbia and University College London, students gain real-life project experience and exchange knowledge in a dynamic, innovation-focused environment.



Students develop a robot capable of installing solid, non-permanent insulation sleeves on overhead power lines, overcoming traditional constraints to provide a safe, practical solution for the power supply industry.

Students work with industry engineers to develop an autonomous inspection system that helps keep public transport facilities safe and operational.



Students collaborate with the Survey Division of Civil Engineering and Development Department (CEDD) to introduce AI and digital twin technologies into seawall and breakwater inspection, making infrastructure assessment faster and smarter.



Innovation Academy

Contact No. : 3910 2394
Email : innoacademy@hku.hk
Website : <https://innoacademy.engg.hku.hk/>

A JOURNEY OF DISCOVERY

TO SHAPE YOUR FUTURE



440⁺ Exchange Partners • **51** Destinations

with leading universities: Cambridge, Oxford, MIT, Princeton, Yale & hundreds more

Students are encouraged 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.



Partner List

EARLY RESEARCH OPPORTUNITIES

The University offers rich early research opportunities for undergraduates.

- The **EUREKA – Undergraduate Research Programme** is a year-long initiative that gives students inquiry-based research experience through an introductory research methods course (or equivalent training) and a mentored project.
- The **Undergraduate Research Fellowship Programme** further enables students to work with academics at HKU or top international institutions, with possibilities for research internships and potential early admission to HKU postgraduate programmes.

CAREER EXPLORATION

The University offers comprehensive career development support, including recruitment fairs, job and internship search platforms, training and coaching (such as the Professional Readiness Empowerment Programme), internship placements, and the HKU Co-operative Education Programme, which connects students with employers.



Student Voices

PROFESSIONAL ACCREDITATION



All degree programmes offered by the HKU Engineering are accredited by the Hong Kong Institution of Engineers (HKIE), and our graduates are eligible to pursue professional qualifications (e.g. Registered Professional Engineer) from the HKIE or from other overseas institutions. The accreditation is recognised worldwide at regions such as Australia, Canada, Japan, Korea, New Zealand, Singapore, South Africa, United States.

EMPLOYABILITY



98.9% HKU Overall Employment Rate (2025)

FULL Employment for the 20th consecutive year

Source: Graduate Employment Survey 2025 (Bachelor's Degrees), HKU CEDARS

**Non-local students: Stay for up to 24 months to explore career opportunities in Hong Kong

Destinations of engineering graduates:

Graduates are well prepared for a broad range of career paths in engineering, including research and development, manufacturing, design and consulting, as well as further study. Some may also branch out into fields beyond engineering, such as business, education or social and community services.

- **Robotics Engineering:** Graduates are prepared for diverse career paths in robotics and autonomous systems, artificial intelligence, advanced manufacturing, technological innovation and research and development. They may engage in the development and application of intelligent robots, autonomous vehicles, drones, AI-enabled systems and smart manufacturing technologies.
- **Civil Engineering:** Employers included various government departments (e.g. Architectural Services Department, Civil Engineering and Development Department, Environmental Protection Department, etc); the MTR Hong Kong; developers; and consulting and construction firms.
- **Computer/ Electrical/ Electronic Engineering:** Graduates may pursue careers in various engineering fields, including ambient computing, big data processing, robotics and autonomous systems, smart power systems, modern electric transportation, and intelligent built environments.
- **Data and Systems Engineering:** Graduates will be valuable assets to manufacturing corporations, consultancy firms, e-commerce companies, retail companies, public utilities, banks, and transportation and logistics companies such as airport and railway corporations and container terminals.
- **Mechanical Engineering:** Graduates may work in industries such as aerospace, automotive, medical, and energy, as well as in emerging fields like nanotechnology, robotics, and renewable energy.

STRONG ENGINEERING COMMUNITY

HKU Engineering is committed to fostering a vibrant and cohesive community that includes current students and generations of dedicated alumni. We work closely with the Engineering Society and the HKU Engineering Alumni Association (HKUEAA) to promote ongoing engagement and collaboration.



Extensive Alumni Network

45,000+ alumni around the globe

H.K.U. ENGINEERING ALUMNI ASSOCIATION

The H.K.U. Engineering Alumni Association was founded in 1975 and is committed to promoting friendship amongst HKU engineering graduates, organising recreational, social and cultural activities for alumni and students, initiating and assisting the professional furtherance, and offering support to engineering students at HKU.



HKUEAA

H.K.U. Engineering Alumni Association
香港大學工程舊生會



Learn more about HKUEAA

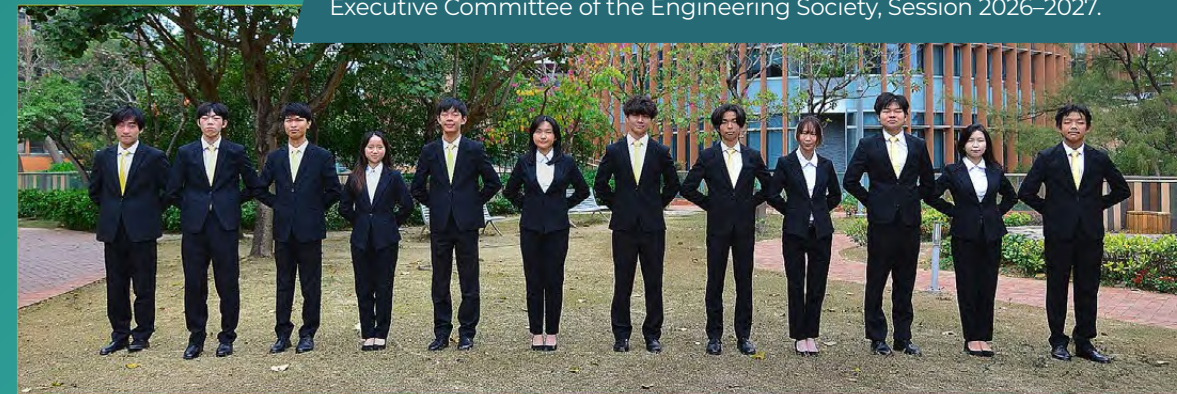


Engineering Society, in 1960



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 2026–2027.

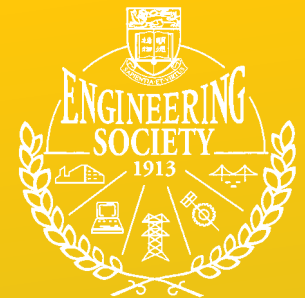


ENGINEERING SOCIETY

Established in 1913, Engineering Society is the oldest faculty-based society at HKU. Every engineering student is a member of the Society, which has always been an important part of the Faculty.

Engineering Society acts as a bridge between all engineering students, the Society and the Faculty. We aim to serve all members through organising diverse activities and offering comprehensive welfare. The Society also maintains strong links with professional bodies such as the Hong Kong Institution of Engineers.

Email: enginsoc@connect.hku.hk



Learn more about Engineering Society

PROGRAMME OPTIONS

The admission framework of the HKU Engineering reflects our vision to empower students through diverse approaches, offering both faculty-based signature initiatives and department-based programmes that support a wide spectrum of academic aspirations:

(1) 4 Faculty-based Signature Initiatives

The Faculty is steadfastly advancing bold, signature initiatives that unite expertise and resources across units to elevate the student experience and anticipate the frontiers of engineering. With a clear vision, these initiatives are dedicated to cultivating visionary leaders, AI-ready engineers, engineers with exceptional business acumen, and interdisciplinary talents poised to excel in emerging fields.

- JS6303* Bachelor of Engineering Elite Programme [BEng(Elite)]
- JS6377* Bachelor of Engineering and Master of Science in Engineering in Artificial Intelligence in Engineering [BEng X + MScEng AIE]
- JS6937* Global Engineering and Business Programme [GEBP]
- JS6365^ Bachelor of Engineering in Robotics Engineering [BEng (Robo)] **NEW**

* Students admitted via these programmes will select their major at the end of Year 1.
^ This programme is subject to the University's approval.

(2) 4 Department-based Programmes

Students with a clear, confirmed interest in a particular engineering discipline may apply for direct admission to the corresponding engineering department.

- JS6353 Bachelor of Engineering in Civil Engineering [BEng(CivE)]
- JS6987 Bachelor of Engineering in Computer Engineering / Electrical Engineering / Electronic Engineering [BEng(CE)/BEng(Ee)/BEng(ElecE)]
- JS6315 Bachelor of Engineering in Data and Systems Engineering [BEng(DASE)]
- JS6339 Bachelor of Engineering in Mechanical Engineering [BEng(ME)]

HKU ENGINEERING-CAMBRIDGE UNDERGRADUATE RECRUITMENT SCHEME

(Application during the Year 1 study in HKU Engineering)

This scheme is extremely competitive, and HKU Engineering will nominate suitable students for assessment by the University of Cambridge. Students would spend two years in Hong Kong followed by three years in Cambridge and earn a Bachelor of Engineering from HKU, as well as a Bachelor of Arts (Honours), Master of Arts and a Master of Engineering from the University of Cambridge upon successful completion of this five-year programme. (Note: The Master of Arts degree will be conferred six years from the date of first registration at Cambridge.)

MAJORS, FOCUSES & MINORS

At HKU Engineering, you are free to decide whether you want to take a few courses for a focus (i.e. three to five courses), or pursue a minor by taking additional courses (i.e. not fewer than 36 credits) within the Faculty, or pursue minors or majors in the other nine Faculties, in order to complement your studies at HKU and fulfil your wide range of interests beyond engineering.

Engineering Focus

Major	Focus	
BEng(CivE)	Civil Engineering	- Environmental Engineering - Smart Transport and Logistics - Urban Informatics
BEng(DASE)	Data and Systems Engineering	- Robotics and Intelligent Systems - Data Analytics and Computing - Intelligent Manufacturing and Automation - Intelligent Transportation - Supply Chain and Logistics Technologies
BEng(CE)/ (EE)/ (ElecE)	Computer Engineering	- Ambient Computing - Big Data Processing - Robotic & Autonomous Systems
	Electrical Engineering	- Smart Power Systems - Modern Electric Transportation - Intelligent Built Environment
	Electronic Engineering	- Microelectronics and Integrated Circuits - Next-generation Communications - Data and AI systems
BEng(ME)	Mechanical Engineering	- Robotics Engineering - Aerospace Engineering - Energy and Sustainability - Materials and Manufacturing

Engineering Minors

- Aerospace Engineering
- Data and Systems Engineering
- Electrical and Computer Engineering
- Environmental Engineering
- Geotechnical Engineering
- Innovation and Design
- Mechanical Engineering
- Robotics and Intelligent Systems
- Urban Infrastructure Informatics

The list for the 2027/28 academic year is pending university approval.

Elite Programme

EXCLUSIVE JOURNEY FOR THE FUTURE LEADERS

The Elite Programme nurtures talented, top-performing future engineering leaders through exclusive and flexible access to enriched learning opportunities—including high flexibility in major selection, global exposure, and dual mentorship support. Additionally, a total of **HKD 150,000 scholarships** will be offered.

CODE	STUDY PERIOD	ABBREVIATION	ADMISSION TRACK
6303	4 Years	BEng(Elite)	Faculty-based

WHY THIS PROGRAMME



High Flexibility in Programme Major Selection

(Subject to academic performance and availability.)

In the end of Year 1, Elite students are eligible to select their preferred BEng programme majors from:

- Civil Engineering, Computer Engineering, Data and Systems Engineering, Electrical Engineering, Electronic Engineering, Mechanical Engineering; or
- Faculty-based signature initiatives:
 - Bachelor of Engineering and Master of Science in Engineering in Artificial Intelligence in Engineering (X+AI) programme
 - Bachelor of Engineering in Robotics Engineering (BEng(Robo)) - *this programme is subject to the University's approval*
- Computer Science, Artificial Intelligence and Data Science from the School of Computer and Data Science (SCDS) - *a minimum cumulative GPA (cGPA) of 3.3 would be required.*

**Students enrol in SCDS majors (Computer Science or Artificial Intelligence and Data Science) will NOT be able to enrol in the X+AI programme*



Dual Mentorship

- Academic advisor
 - To guide elite students through their curriculum design and overseas exchange choices
- Industrial mentor
 - To assist elite students in learning from state-of-the-art practices in the corresponding industry.



HKD 150,000 Scholarships

- Entrance scholarship of HKD 100,000 will be disbursed in four instalments
- Exchange scholarship of HKD 50,000 for each student



Eligible for the CSHK HKU Engineering Flagship Programme Scholarship and Placement

- During their studies at HKU Engineering, students will be eligible to apply and may be selected for a one-off HKD 40,000 scholarship sponsored by the China State Construction Engineering (Hong Kong) Limited (CSHK).
- In addition, they may be selected for an exclusive paid internship opportunity and executive mentorship.



ELITE STATUS REQUIREMENT

Students must maintain "Elite" status with a **minimum cumulative GPA (CGPA) of 3.0** at the end of each academic year in order to continue enjoying the exclusive access and scholarships mentioned above. Students who fail to meet the required CGPA will continue their studies at HKU Engineering but without these privileges.



PROGRAMME ENQUIRIES

Website : <https://ugadmissions.engg.hku.hk/>
Email : enggugad@hku.hk

Artificial Intelligence in Engineering

WHERE ENGINEERS MASTER AI FOR REAL-WORLD APPLICATIONS

The Bachelor of Engineering and Master of Science in Engineering in Artificial Intelligence in Engineering programme is designed to nurture engineers with cross-disciplinary, master's-level knowledge and skills in AI. Students will complete a BEng major and then pursue an MSc(Eng) in Artificial Intelligence in Engineering within 4+1 years. The programme integrates core engineering knowledge with applied AI methods to tackle real-world engineering challenges.

CODE	STUDY PERIOD	ABBREVIATION	ADMISSION TRACK
6377	4+1 Years	BEng X + MScEng AIE	Faculty-based

WHY THIS PROGRAMME



Flexibility in Major Selection

(subject to academic performance and availability.)

Students can choose one of the following as their major: Civil Engineering, Computer Engineering, Electrical Engineering, Electronic Engineering, Data and Systems Engineering, Mechanical Engineering, or Robotics Engineering[^] (a Faculty-based programme).



BEng(X) and MSc(Eng) in AI Dual Degree in 4+1 Years

Students can freely opt out of this BEng X + MScEng AIE scheme with no penalties, i.e. they can successfully earn their bachelor degree after completing the necessary requirements in their chosen major.



AI-Focused Curriculum Design

- Throughout the 4+1 years of study, students will learn fundamental and theoretical AI knowledge, along with discipline-specific engineering applications using AI techniques, to fulfill the degree requirements for both the BEng and MSc in AI in Engineering degrees.
- A well-rounded AI curriculum providing comprehensive training in engineering applications, starting with Artificial Intelligence Literacy courses, followed by introductory AI courses, discipline-specific AI electives, and an AI-related capstone project at the undergraduate level, with continuity into postgraduate study.



HKD 120,000 Master's Degree Programme Entrance Scholarship

Eligibility: Students with a cumulative GPA (CGPA) of 2.7 or higher in the undergraduate study who are admitted to the MSc(Eng) in Artificial Intelligence in Engineering are eligible for the scholarship.



Eligible for the CSHK HKU Engineering Flagship Programme Scholarship and Placement

- During their studies at HKU Engineering, students will be eligible to apply and may be selected for a one-off HKD 40,000 scholarship sponsored by the China State Construction Engineering (Hong Kong) Limited (CSHK).
- In addition, they may be selected for an exclusive paid internship opportunity and executive mentorship.



PROGRAMME ENQUIRIES

Website : <https://ugadmissions.engg.hku.hk/>
Email : enggugad@hku.hk

Robotics Engineering



TWO CITIES. ONE VISION: POWERING INTERDISCIPLINARY ROBOTICS ENGINEERS

This interdisciplinary programme is jointly offered by the Departments of Mechanical Engineering, Electrical and Computer Engineering, Data and Systems Engineering, and Civil Engineering, designed to nurture robotics engineers with holistic, systems-level thinking and strong cross-disciplinary capability.

This programme is subject to the University's approval.

CODE	STUDY PERIOD	ABBREVIATION	ADMISSION TRACK
6365	4 Years	BEng(Robo)	Faculty-based

WHY THIS PROGRAMME



Interdisciplinary Robotics Training

This interdisciplinary programme consolidates the expertise and learning resources of four departments into a coherent curriculum. The curriculum delivers systematic training that integrates robotic mechanism design, sensing and perception, motion control, embedded systems, and artificial intelligence, equipping students with solid engineering foundations and cross-disciplinary technical competencies to develop intelligent autonomous systems.



Project-Based, Experiential Learning Pedagogy

The programme adopts a project-based and experiential learning pedagogy, reinforcing theoretical knowledge through hands-on laboratories, multidisciplinary design projects, engineering training, and industrial practice.



Hong Kong-Shanghai Two-City Study Model

A studentship of HKD 50,000, covering round-trip airfare, nearby accommodation and a living allowance, supports students' Year 3 study in Shanghai, integrating world-class academic teaching with first-hand industrial exposure to the innovation ecosystem of the Greater Bay Area and the advanced manufacturing hub of the Yangtze River Delta.



Dual Postgraduate Support

a. ROBO Undergraduate Research Matching Scheme

- The scheme provides early, matched research opportunities with professors in relevant robotics engineering areas for academically strong and passionate students in Year 2 or above.
- Seats are limited and will be subject to further screening and assessment.

b. HKD 100,000 Robotics Master's Degree Programme Entrance Scholarship

- Eligibility: Students with a cumulative GPA (CGPA) of 3.0 or higher in their undergraduate studies are eligible to apply for the scholarship, subject to admission to either the Master of Science in Engineering in Robotics and Intelligent Systems or the Master of Science in Engineering in Low Altitude Technology at HKU Engineering.



CAREER PROSPECTS

Graduates are prepared for diverse career paths in the development and application of intelligent robots, autonomous vehicles, drones, AI-enabled systems and smart manufacturing technologies. They are also well positioned to pursue postgraduate studies at master's or doctoral level in robotics engineering, artificial intelligence, intelligent systems and related disciplines.



PROGRAMME ENQUIRIES

Website : <https://ugadmissions.engg.hku.hk/>
Email : enggugad@hku.hk

Global Engineering and Business Programme

BRIDGE WORLDS. MASTER BOTH.

The Global Engineering and Business Programme (GEBP) offers a study programme fully integrated into two world-class Faculties — the Faculty of Engineering and the HKU Business School. It is engineering precision fused with business acumen—unlocking synergies in technology innovation, strategic leadership, and real-world impact that no single discipline can match.

CODE	STUDY PERIOD	ABBREVIATION	ADMISSION TRACK
6937	5 Years	GEBP	Faculty-based

WHY THIS PROGRAMME

- Empowers students to develop the mindset and skills for engineering excellence and business innovation.
- During their study, students will enjoy full access to the comprehensive learning resources offered by both Faculties. For examples, scholarships, exchange opportunities, enrichment activities, career support, etc.
- Offers a five-year interdisciplinary programme leading to two degrees: **Bachelor of Engineering** and **Bachelor of Business Administration**.
- Eligible for the CSHK HKU Engineering Flagship Programme Scholarship and Placement
 - During their studies at HKU Engineering, students will be eligible to apply and may be selected for a one-off HKD 40,000 scholarship sponsored by the China State Construction Engineering (Hong Kong) Limited (CSHK).
 - In addition, they may be selected for an exclusive paid internship opportunity and executive mentorship.



WHAT YOU WILL STUDY

Students can choose from 6 X 5 = 30 possible options as they pursue their degrees in Engineering and Business Administration. All GEBP students are required to complete at least one outbound exchange programme outside Hong Kong prior to graduation.

Available Engineering Majors:

(subject to academic performance and availability.)

- Civil Engineering
- Computer Engineering
- Data and Systems Engineering
- Electrical Engineering
- Electronic Engineering
- Mechanical Engineering

Available Business Majors:

- Entrepreneurship, Design and Innovation (Note: Candidates must undergo a selection process arranged by the Programme Coordinator for declaring the EDI major)
- Finance
- Human Resource Management
- Information Systems and Analytics
- Marketing

The fifth year of the programme is offered on a self-financing basis, with tuition fees for local students set higher than those of government-funded programmes.

PROFESSIONAL RECOGNITION

All BEng programmes offered by HKU Engineering are accredited by the Hong Kong Institution of Engineers (HKIE).

Students of the BBA programme are eligible to enrol in the CGMA® Finance Leadership Program and kickstart their journey to become a member of Chartered Institute of Management Accountants and a Chartered Global Management Accountant while they are studying in the University.



Empowered by Dual Expertise: GEBP Turns Learning into Enjoyment and Independence

Personally, studying two fields at the same time does not make the work more difficult. Instead, it makes studying less boring and much more enjoyable. I no longer rely on business experts for project feasibility or engineers for technical viability because GEBP equips me with those skills from day one.

Jitsom KANTAPON
(BEng in Civil Engineering; BBA in Finance)



PROGRAMME ENQUIRIES

Website : <https://ugadmissions.engg.hku.hk/>
Email : enggugad@hku.hk

Civil Engineering



BUILDING THE FUTURE WITH SCIENCE, ART, AND PURPOSE

Civil Engineering is both a science and an art that involves the utilisation of natural resources and power for the benefit of humankind. Our programme builds a strong foundation in modern civil engineering and incorporates technologies such as building information modelling, modular integrated construction, advanced materials, and artificial intelligence. Graduates are prepared to develop innovative solutions to real-world challenges.

CODE	STUDY PERIOD	ABBREVIATION	ADMISSION TRACK
6353	4 Years	BEng(CivE)	Department-based

WHY THIS PROGRAMME

- Our programme is globally ranked for its academic strength, research excellence, industry relevance, and high reputation.
- We maintain strong ties with local government and international firms, offering valuable internships and employment opportunities.
- The curriculum combines theory and practical skills, supported by a vibrant, multicultural campus and a renowned alumni network.

WHAT YOU WILL STUDY

The emphasis in the first two years is on the basic engineering subjects such as fluid, rock and structural mechanics; construction materials; structural analysis and design; basic environmental and transportation engineering. Students will then take elective courses to study in-depth the subjects under construction, environmental, geotechnical, structural and transportation engineering. In the final year, students will conduct a group-based Capstone Design Project where they need to integrate all the knowledge they have learnt and work on a real-life civil engineering projects from preliminary design up to the detailed design stage.

EXCITING OPPORTUNITIES

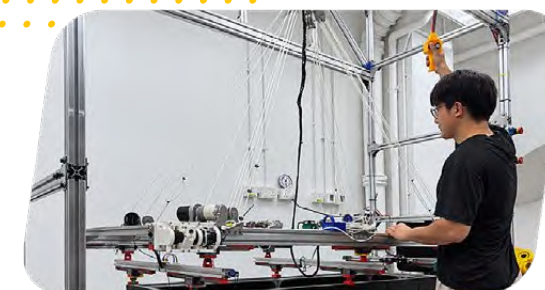
Site Visit to Cape D'Aguilar to see the rock formation



Student conducting laboratory work



3D printing technology applied in the design of precision concrete products



Hybrid Pose Adjustment robotic system to automate and secure MIC assembly

CAREER PROSPECTS

Employers included various government works departments (e.g. Architectural Services Department, Civil Engineering and Development Department, Drainage Services Department, Environmental Protection Department, Geotechnical Engineering Office, Highways Department, Housing Department, Transport Department, Water Supplies Department, etc); the MTRC; developers; and consulting and construction firms. Our graduates normally become qualified/chartered engineers within a few years.



PROGRAMME ENQUIRIES

Website : <https://www.civil.hku.hk/>
Email : civdept@hku.hk
Tel : 3917 2286

Data and Systems Engineering



ENGINEERING INTELLIGENCE FOR A SMARTER FUTURE

Established in 1973, the Department of Data and Systems Engineering (DASE) has led advancements in technology and human life in Hong Kong, especially during the AI and big data revolution. We offer students a strong foundation in system analytics, computing, robotics, and intelligent systems, fostering their ability to address real-world challenges.

CODE	STUDY PERIOD	ABBREVIATION	ADMISSION TRACK
6315	4 Years	BEng(DASE)	Department-based

WHY THIS PROGRAMME

- Computing in practice: from action-in to action-out!
- Through IoT, AI, and human-machine interactions, we bridge the gap between cyber and physical worlds to solve a wide range of real-world problems.
- Providing state-of-the-art knowledge and technologies through hands-on experiences, we prepare students to lead in the rapidly evolving fields of robotics and artificial intelligence.

WHAT YOU WILL STUDY

Our curriculum encompasses a diverse range of system analytics and computing disciplines, the main areas of expertise developed in this curriculum are as follows:

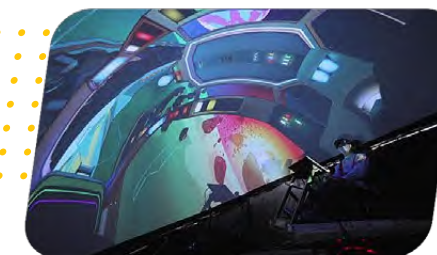
- Data Analytics and Computing – Big data analytics, data-driven optimisation, operations research, statistical analysis, system modelling and simulation, quality control and process optimisation, blockchain, and project management.
- Robotics and Intelligent Systems – Artificial intelligence, machine learning, computer vision, robotics, virtual reality, human-machine interface, internet of things, and manufacturing.

EXCITING OPPORTUNITIES

Turn digital intelligence into real-world action through AI, robotics, and immersive technologies.



Discover how intelligent technologies connect virtual experiences with real-world impact.



Experience cutting-edge AI and robotics technologies through projects and hands-on learning.



Combine AI, IoT, and human-machine interaction to create solutions that make a difference.



Discover AI, VR, and interactive technologies through hands-on learning and real-world applications.

CAREER PROSPECTS

Graduates will be valuable assets to manufacturing corporations, consultancy firms, e-commerce companies, retail companies, public utilities, banks, and transportation and logistics companies (e.g., airport and railway corporations and container terminals). Recent employers of graduates include Bloomberg, Cathay Pacific Airways, CLP, Credit Suisse, DHL, local government, Hong Kong Productivity Council, Hong Kong Airport Authority, HP, Louis Vuitton, L'Oréal, P&G, MTR, HIT, PwC, HSBC, Towngas, Vitech, Watsons, and more.



PROGRAMME ENQUIRIES

Website : <https://www.dase.hku.hk/>
Email : dase@hku.hk
Tel : 3917 2583 / 3917 2586

Computer Engineering / Electrical Engineering / Electronic Engineering

DESIGN, INNOVATE, LEAD: THE ECE JOURNEY STARTS HERE

The Department of Electrical and Computer Engineering (ECE) is the only department comprising Computer Engineering (CE), Electrical Engineering (EE) and Electronic Engineering (ElecE) in Hong Kong. The curriculum encourages students to offer solutions to real life problems via design and innovation, and to foster and advocate entrepreneurship.

CODE	STUDY PERIOD	ABBREVIATION	ADMISSION TRACK
6987	4 Years	BEng(CE/EE/ElecE)	Department-based

WHY THIS PROGRAMME

- The department offers contemporary curriculum and stimulating learning experience for educating future leaders in ECE-related areas.
- Artificial Intelligence, powered by advanced chips and energy infrastructure, is driving future technologies—and mastering ECE-related areas empowers you to lead this AI-driven frontier.
- This programme's contemporary learning process is designed to create well-rounded graduates with solid foundations through active learning, capstone experience, hands-on activities, internship, exchanges studies and service learning.

WHAT YOU WILL STUDY

- Computer Engineering (CE):** The programme prepares students for the multidisciplinary field in software design, computer architecture, and hardware-software integration.
- Electrical Engineering (EE):** The programme equips students with sound knowledge in power system, electric drives, renewable energy, electric railway, electric vehicle, computer applications and building automation.
- Electronic Engineering (ElecE):** ElecE involves a myriad of applications in modern society ranging from communications and information technology, mobile technology, electronic commerce and FinTech, microelectronics and photonics, integrated circuits (IC), electronics for artificial intelligence (AI), data mining in big data, etc.

EXCITING OPPORTUNITIES

Student Award from HK Electric
Happy Green Campaign



Workshop



AI+ Power Expo &
Conference Hong Kong



Project Demonstration
at HKU Info Day



Project Demonstration
by UG Students

CAREER PROSPECTS

Most graduates pursue careers in the engineering sector, while others contribute to society through roles in government, transportation and public utilities, technology and finance companies, or through research and further studies.



PROGRAMME ENQUIRIES

Website : <https://ece.hku.hk/study/undergraduate/ug-admissions/>
Email : eceugadm@hku.hk
Tel : 3917 2708

Mechanical Engineering



ENGINEERING INNOVATION FOR A CHANGING WORLD

The Department of Mechanical Engineering is a leading academic unit dedicated to advancing knowledge and innovation in the field. Our department offers comprehensive programmes that encompass core areas such as robotics engineering, aerospace engineering, energy and sustainability, materials and manufacturing. With a strong emphasis on interdisciplinary collaboration and industry engagement, our department prepares students to become innovative engineers and researchers who can contribute to technological advancement and societal development.

CODE	STUDY PERIOD	ABBREVIATION	ADMISSION TRACK
6339	4 Years	BEng(ME)	Department-based

WHY THIS PROGRAMME

- Build a strong foundation in mechanical engineering, including thermodynamics, fluid mechanics, materials, manufacturing, robotics and control systems.
- Tailor your learning through four focus areas: robotics engineering, aerospace engineering, energy and sustainability, and materials and manufacturing.
- Gain hands-on experience through design projects, laboratories and research opportunities.

WHAT YOU WILL STUDY

Students will study core areas of mechanical engineering, including engineering mathematics, mechanics, thermodynamics, fluid mechanics, materials science, control systems, manufacturing processes, and mechanical design. They will apply theoretical knowledge through laboratory work, computer-aided design, simulation, and project-based learning. Students will have the option to specialise in one of four focus areas: robotics engineering, aerospace engineering, energy and sustainability, and materials and manufacturing. In the later stages of the programme, they will take advanced courses and complete design or research projects. These experiences will help students develop strong analytical, technical, communication, and teamwork skills for professional engineering practice.

EXCITING OPPORTUNITIES

HKU Robocon Team won the Champion in Robocon Hong Kong Contest 2026



DBF Team flying the HKU flag high in the Kansas winds



HKU Racing Team final check of the car before run on the track



DBF Team participating in 30th American Institute of Aeronautics and Astronautics (AIAA) Design/Build/Fly competition in Kansas, USA



HKU Racing Team participating in FSEC2025, Hefei, China

CAREER PROSPECTS

Graduates are prepared to pursue various career paths, including research and development, manufacturing, design, and consulting. They can work in industries such as aerospace, automotive, medical, and energy, as well as in emerging fields like nanotechnology, robotics, and renewable energy. Some graduates may choose to work in non-engineering sectors such as business, education, social and community.



PROGRAMME ENQUIRIES

Website : <https://www.mech.hku.hk/>
Email : mech@hku.hk
Tel : 3917 2635

ADMISSIONS REQUIREMENTS

Hong Kong Diploma of Secondary Education (HKDSE) (JUPAS Admissions)
Eng = English | Chin = Chinese | Math = Mathematics (Compulsory) |
M1/M2 = Mathematics Module 1 or 2 | CSD = Citizenship and Social Development

Scoring Formula for 2027 - 2028 Entry:	Minimum Level Required					
Eng + Math + Best 3 subjects* *The scoring formula considers category A subjects and M1/M2 only, unless otherwise specified.	Eng	Chin	Math	CSD	1st Elective Subject	2nd Elective Subject / M1 / M2
Faculty-based Signature Initiatives • JS6303 – [BEng(Elite)] • JS6377 – [BEng X + MScEng AIE] • JS6937 – [CEBP] • JS6365 – [BEng(Robo)]	4	3	4	Attained (A)	3	3
Department-based Programmes • JS6353 – [BEng(CivE)] • JS6987 – [BEng(CE)/BEng(EI)/BEng(Elec)] • JS6315 – [BEng(DASE)] • JS6339 – [BEng(ME)]	3	3	3	Attained (A)	3	3

Specific Elective Subjects / Other Requirements

- Level 3 or above in one of the following subjects: Biology, Chemistry, Physics or Combined Science.

Consideration of Other Factors

- Level 3 or above in Mathematics Extended Part (Module 1 or 2) is preferred.
- Interview performance – Only applicants who list HKU Engineering's programme(s) as their **Band A choice(s)** will be invited to interview.
- Number of subject(s) attaining Level 5**

Non-local Qualifications (Non-JUPAS Admissions)

We welcome applications from a broad spectrum of qualifications worldwide, including the Chinese Mainland NJCEE (Gao Kao), as well as various international and national qualifications, such as:

- American Patterned System (SAT/ACT + AP)
- GCE A-Level/ IAL
- International Baccalaureate (IBDP)
- Kazakh Certificate of Completed Secondary Education
- Indian Board Examinations
- Malaysian/ Singaporean/ Thai Curriculum
- Filipino/ Indonesian/ Japanese/ South Korean Curriculum

Please visit <https://admissions.hku.hk> for details on more qualifications and their corresponding admission requirements.



Admissions

SCHOLARSHIPS

The University offers a wide range of entrance scholarships for both local and non-local students, awarded on the basis of talents or academic performance. In addition, various scholarships and prizes recognise students' achievements and support their aspirations during their studies at HKU. In 2024/25*, the University awarded scholarships to over 5,400 undergraduate students, with a total value exceeding HKD 233 million.

**Source: Quick Stats prepared by the Communications and Public Affairs Office with the figures supplied by the Management Information Unit, President's Office.*

JUPAS ADMISSIONS

HKU Faculty of Engineering JUPAS Entrance Scholarship

HKDSE candidates admitted to **department-based programmes** attaining Level 5** in two or more Category A subjects or M1 / M2 in one single sitting of 2027 HKDSE Examination are eligible for this scholarship. The Scholarship may be held concurrently with other scholarships offered by the University. No separate application is required.

No. of 5** Achieved	Scholarship Amount (HKD)
2	35,000
3 or above	50,000

HKU Entrance Scholarships for HKDSE Students

The University offers merit-based scholarships to recognise top HKDSE students, who obtained level 5** in 5 or less HKDSE subjects, with awards up to a renewable full tuition fee. Please refer to the Admissions Office website for details.

NON-JUPAS ADMISSIONS

HKU Faculty of Engineering Global Scholarship

To further enhance the diversity of our undergraduate community, this Scholarship provides a oneoff award of up to half of the tuition fee to attract outstanding nonlocal students, with preference for candidates from underrepresented regions. Selection is based on performance in recognised examinations, alongside with exceptional talents and interests in engineering. Eligible students will be shortlisted for interview and nominated for the selection committee's consideration on a rolling basis. No separate application is required.

Please visit the Admissions Office's website for more entrance scholarship opportunities:
<https://admissions.hku.hk/fees-and-scholarships/scholarships>



Scholarships