Faculty of Engineering

THE UNIVERSITY OF HONG KONG

2025

QS WORLD UNIVERSITY RANKINGS 2026

HKU IS RANKED

11TH

GLOBALLY

1ST

IN HONG KONG

University Rankings

Faculty of Engineering
THE UNIVERSITY OF HONG KONG

#6

Times Higher Education Asia
University Rankings 2025

#35

Times Higher Education World
University Rankings 2025

#13

Times Higher Education
Interdisciplinary Science Rankings 2025

#6

Times Higher Education World's
Most International Universities 2025

A Comprehensive University

Faculty of Engineering
THE UNIVERSITY OF HONG KONG

63
UG Programmes

100
Majors/Minors

160
TPg Programmes

153
RPg Programmes

- Architecture
- Arts
- Business
- Dentistry
- Education
- Engineering
- Law
- Medicine
- Science
- Social Sciences

香 港 大 學
THE UNIVERSITY OF HONG KONG

Student Population

UG	Masters TPg	Doctoral RPG	Total
19,038	18,812	4,480	42,330

Overseas Exchange Partners

Faculty of Engineering
THE UNIVERSITY OF HONG KONG

421 Exchange Partners

across

49 Countries and Regions

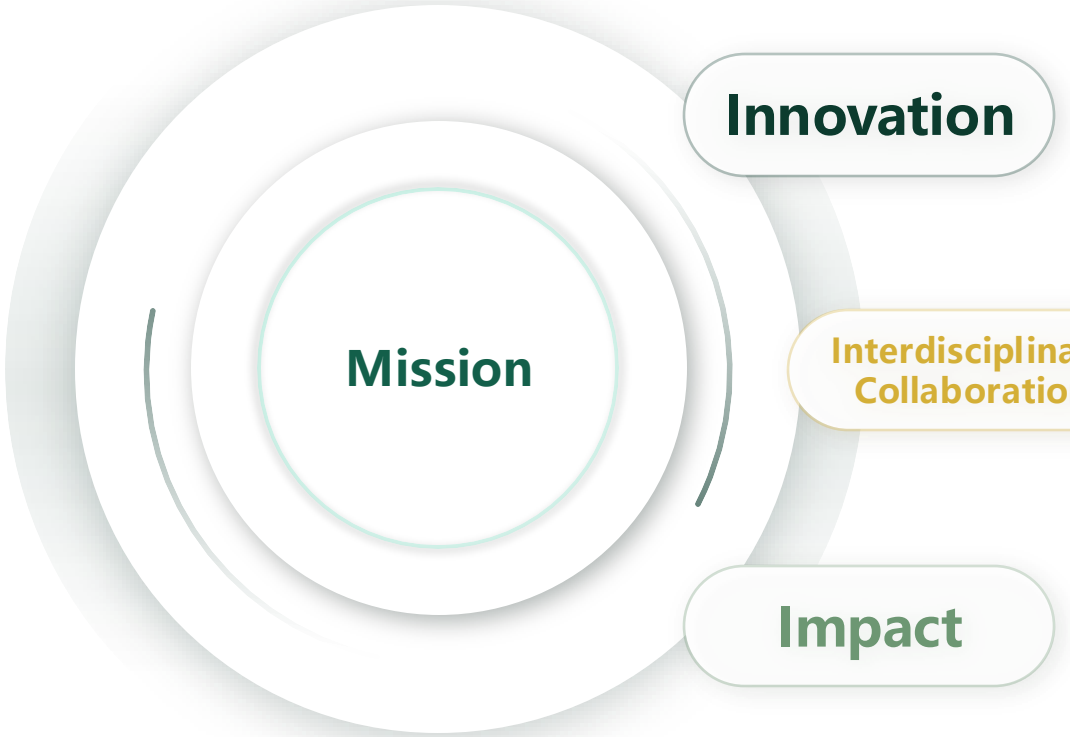
Faculty of Engineering
THE UNIVERSITY OF HONG KONG

02

Introduction to HKU Engineering

Faculty overview

Vision: To provide solutions to global challenges and nurture leaders in the use of technology for the benefit of mankind.



To innovate through world-class education and cutting-edge research.

To conduct interdisciplinary and international collaboration to overcome regional and global challenges.

To create impact on knowledge-based economy through technology development and entrepreneurship.

World-leading Academic Excellence

13th
Civil & Structural Engineering

18th
Data Science and Artificial Intelligence

21st
Computer Science and Information Systems

38th
Electrical & Electronic Engineering

49th
Mechanical Engineering

6 Engineering Scholars named
"Highly Cited Researchers" by **Clarivate**

(53 HKU academics in total)

Our Leaders

Prof. David Srolovtiz
Dean of Engineering

Prof. S.C. Chan
Associate Dean (Masters)

Dr. Wilton Fok
Associate Dean (Student Enrichment)

Prof. Yang Lu
Associate Dean (Mainland Affairs)

Prof. Kevin Tsia
Associate Dean
(Teaching & Learning - UG)

Prof. S.C. Wong
Associate Dean
(Development & External Relations)

Prof. Lawrence Yeung
Associate Dean (RPg)

Prof. Tong Zhang
Associate Dean (Research)

Dr. C.K. Chui
Assistant Dean
(Teaching & Learning - UG)

Departments & Schools

Departments

Civil Engineering

Electrical & Electronic Engineering

Data and Systems Engineering

Mechanical Engineering

New & Upcoming

Department & Schools

Department of Material Science and Engineering

School of Computing and Data Science

School of Innovation

School of Biomedical Engineering

Our Prize Winners

Kevin Tsia
Chinese Science and Technology Award for Young Scientists

Philip Chow
NSFC Excellent Young Scientist (Hong Kong and Macau, China)

Evan Peng **Xiang Chao** **Yuxiang Yang**
China’s Excellent Young Scientists Fund 2023

Mingxin Huang
Xplorer Prize;
Changjiang Scholar Chair Professor

Yuguo Li
Guanghua Engineering Science and Technology Prize, The Chinese Academy of Engineering

Tong Zhang
State Natural Science Award (Second-Class), State Council, China;

First-Class Award in Natural Science, Ministry of Education, China

Research excellence- Strategic Research Clusters

Environment

- Water environmental engineering
- Sustainable energy (wireless power, smart grids)
- Wastewater-based epidemiology

Notable Projects:

✓ Antibiotic resistome control
✓ Sludge refinery for mega-cities
✓ Sustainable lighting systems

Health

- Biomechanics & drug delivery
- Biomedical imaging (MRI, ultrasound)
- Computational biomedicine (AI/CRISPR applications)

Impact Areas:

✓ COVID-19 transmission research
✓ Wearable health sensors
✓ AI for geriatric disease diagnosis

Data

- Big data systems/algorithms
- AI for social good (elderly care, policymaking)
- Industry 4.0 analytics (IoT, Digital Twin)

Achievements:

✓ Croucher Innovation Award
✓ ITF-funded smart manufacturing projects
✓ HKJC-funded elderly mobility solutions

Unparalled Research Strength

Faculty of Engineering
THE UNIVERSITY OF HONG KONG

100+ Laboratories and Research Centres

Civil Engineering

- Centre for Water Technology and Policy
- Croucher Laboratory of Environmental Hydraulics
- Environmental Microbiome Engineering & Biotechnology Laboratory
- MiC Laboratory
- Structural Dynamics Laboratory

Data & Systems Engineering

- Automation for Intelligent Construction Laboratory
- Cyber-Physical System Laboratory
- Human-system interaction & simulation Laboratory
- Human-machine Collaboration Laboratory
- Intelligent Logistics and Transportation Laboratory

Electrical & Electronic Engineering

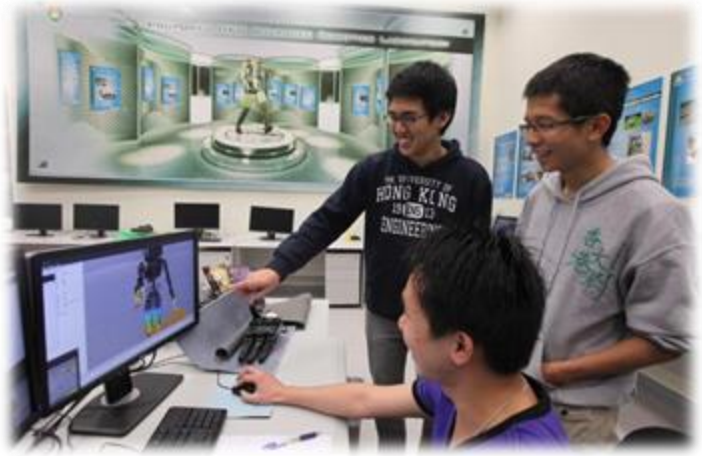
- AI to Advance Environment and Well-Being Laboratory
- Compuiter Vision and IoT Laboratory
- JC STEM Lab of Robotics for Soft Materials
- Laboratory of Frontier Research on Optoelectronic Nanomaterials & Technologies
- RGC-TRS Wireless Power Transfer Research Facilities
- Photonic Systems Research Laboratory
- Ultrasound Imaging Research Laboratory

Mechanical Engineering

- Aerodynamics & Acoustic Laboratory
- Air Pollution and Clean Energy Labortary
- Biomimetic Materials Laboratory
- Interventional Imaging & Robotic Systems Laboratory
- JC STEM Lab of Advanced 3D Integrated Circuit Technology
- Nanofabrication and Nanodevice Laboratory

Student Excellence & Diversity

Faculty of Engineering
THE UNIVERSITY OF HONG KONG



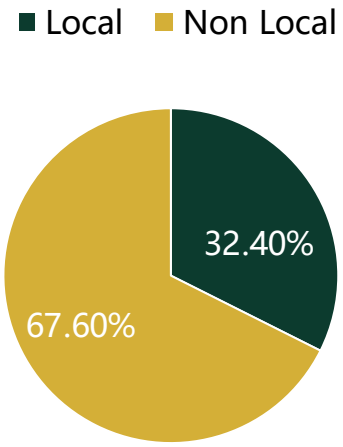
2,744
Undergraduates

3,423
Masters (TPg)

1,147
PhD

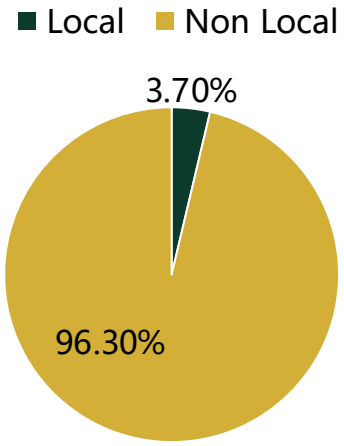
Total students: 7,314

TPg

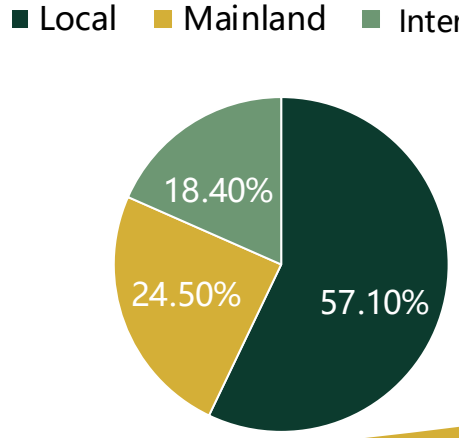


*Non local includes Mainland and international students

PhD



Undergraduates



Data as of AY2024

Diversified Undergraduate Programmes

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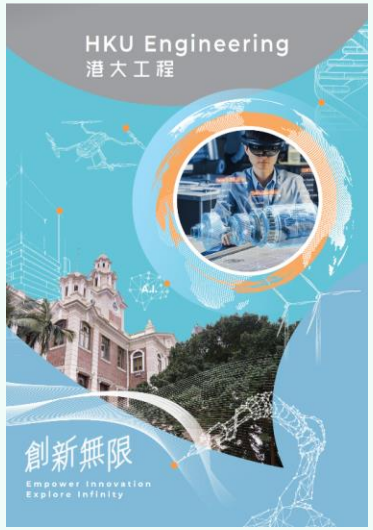
01 Civil Engineering

02 Computer Engineering/
Electrical Engineering/
Electronic Engineering

03 Data and Systems Engineering

04 Elite Programme



05 Global Engineering and Business Programme

06 Mechanical Engineering

07 Bachelor of Engineering and
Master of Science in Engineering in
Artificial Intelligence in Engineering

HKIE THE HONG KONG INSTITUTION OF ENGINEERS 香港工程師學會

Accreditation
All BEng programmes received full accreditation

SCHOOL OF COMPUTING & DATA SCIENCE
The University of Hong Kong

01 Bachelor of Arts and Science in Applied Artificial Intelligence

02 Bachelor of Arts and Science in Financial Technology

03 Bachelor of Science in Actuarial Science

04 Statistical Decision Sciences

05 Computer and Data Science

School of Innovation
THE UNIVERSITY OF HONG KONG

01 Bachelor Science in Innovation and Technology

Postgraduate Programmes

Faculty of Engineering
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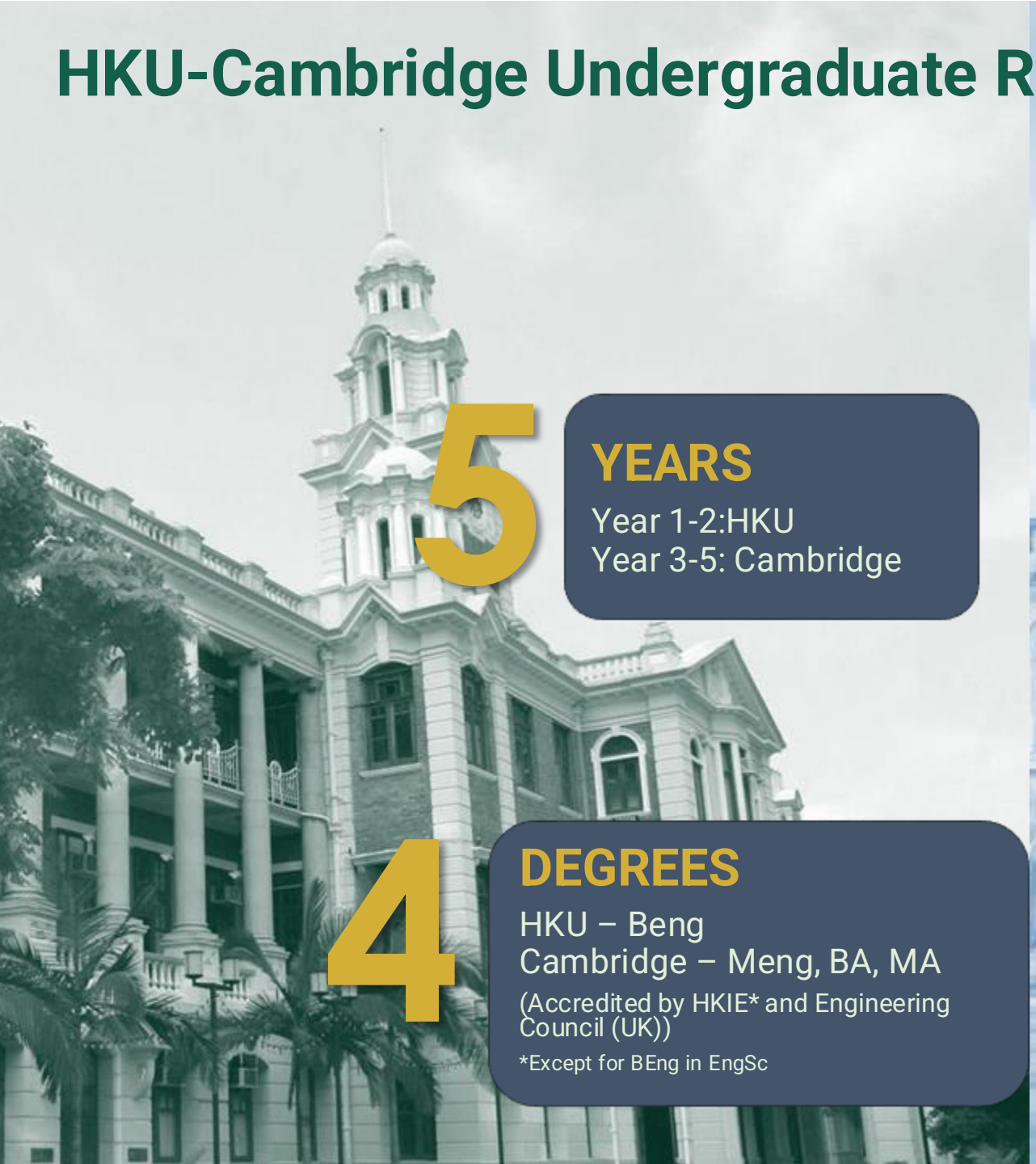
School / Department	Programmes
Civil Engineering	• Civil Engineering • Infrastructure Engineering and Management
Data and Systems Engineering	• Industrial Engineering and Logistics Management • Robotics and Intelligent Systems
Electrical and Electronic Engineering	• Electrical and Electronic Engineering • Energy Engineering
Mechanical Engineering	• Building Services Engineering • Innovation Design and Technology • Low-Altitude Technology • Mechanical Engineering • Microelectronics Science and Technology
School of Computing and Data Science	• Computer Science • Electronic Commerce and Internet Computing • Financial Technology and Data Analytics

MPhil/PhD Programmes

HKU-Cambridge Undergraduate Recruitment Scheme (Engineering)



5 YEARS

Year 1-2:HKU
Year 3-5: Cambridge

4 DEGREES

HKU – Beng
Cambridge – Meng, BA, MA

(Accredited by HKIE* and Engineering Council (UK))

*Except for BEng in EngSc

1 UNIQUE PROGRAMME

HKU-Cambridge UG Recruitment Scheme

2 TOP UNIVERSITIES

Cambridge: QS #6
HKU: QS #11

Exchange Opportunities

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

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

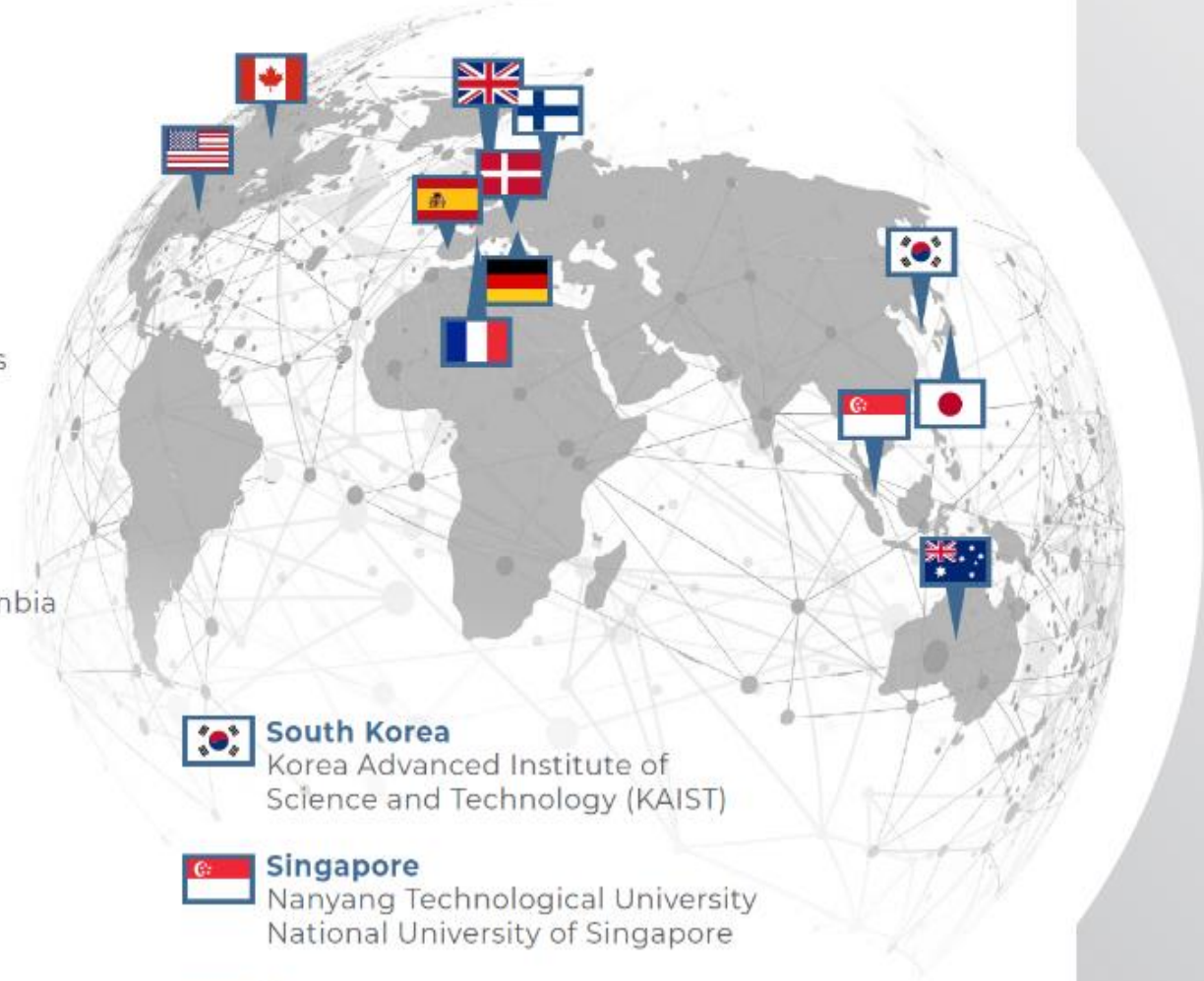
Spain
University of Navarra

Finland
Aalto University

Denmark
Technical University of Denmark

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



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

Singapore
Nanyang Technological University
National University of Singapore

Japan
Tohoku University

Exchange partners in China

- Fudan University
- Harbin Institute of Technology
- Peking University
- Shanghai Jiao Tong University
- Tongji University
- Tsinghua University
- Wuhan University
- Xiamen University
- Xi'an Jiaotong University
- Zhejiang University

Experiential Learning – UG Research Fellowship Programme

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THE UNIVERSITY OF HONG KONG

Research internships for academically outstanding undergraduate students during summer breaks

UCSF University of California San Francisco

TU/e EINDHOVEN UNIVERSITY OF TECHNOLOGY

UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

NANYANG TECHNOLOGICAL UNIVERSITY SINGAPORE

Georgia Tech

UCL

WashU

UNIVERSITY of VIRGINIA

UC San Diego

NUS National University of Singapore

UNIVERSITY OF TORONTO

Experiential Learning – Community Service

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Engineering students are encouraged to engage in social service and apply their professional knowledge to provide solutions to real world situations.

Technical site visit

Summer camp

Project Mingde – Vietnamese Secondary School Project

Project Mingde – local project to help the underprivileged

Interdisciplinary Hands-on & Experiential Learning

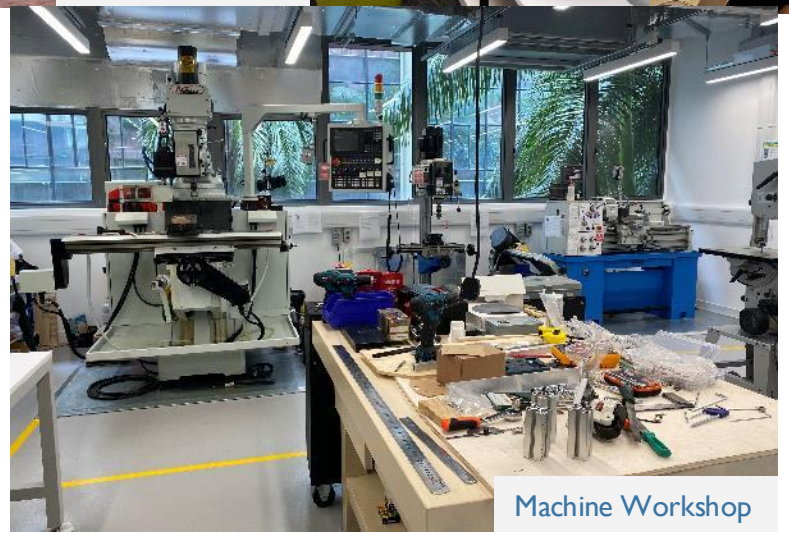
Tam Wing Fan Innovation Wing
FACULTY OF ENGINEERING

Faculty of Engineering
THE UNIVERSITY OF HONG KONG

Equipped with cutting-edge facilities, Innovation Wing promotes interdisciplinary innovation among students.

Dream Chamber

Makerspace & assembling area



Machine Workshop

Electronic Workbenches

Student Interest Groups of Innovation Wing

Tam Wing Fan Innovation Wing
FACULTY OF ENGINEERING

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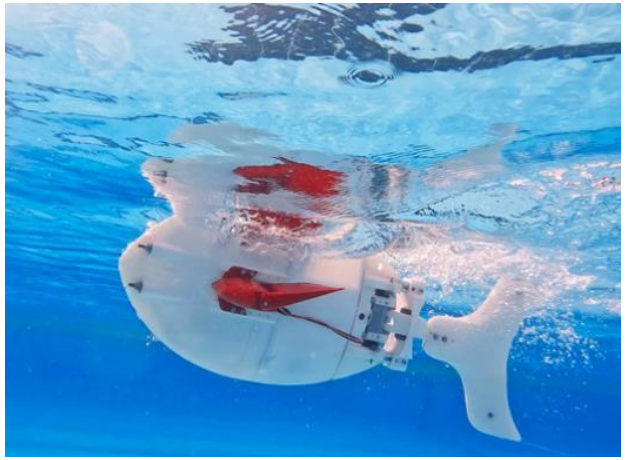
Health AI and Technology (Revita)

HKU Racing

HKU Robocon



SIG – BREED Robotics

HKU RoboMaster

IIIs for VIPs

Innovation Academy

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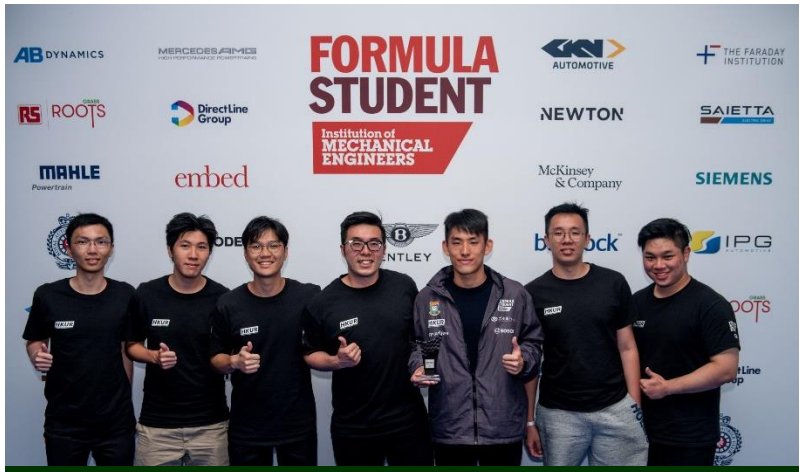
A hub for attracting and cultivating new generations of talents, not only scholars and researchers but also industry leaders and influencers. It works as an accelerator for inspiration and implementation.

Hands-on Workshops

Engineering Inno Show

Study Tours

International Competitions



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

Champion and second runner-up at Robocon 2025 Hong Kong Contest

A 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 University and Schools Payload Challenges

Extensive Alumni Network

The Faculty has groomed around 42,000 professionals and industry leaders in Hong Kong and internationally

Employers' Highlights

accenture
ATAL
ARUP
香港機場管理局 AIRPORT AUTHORITY HONG KONG
CLP 中電
HK Electric 港燈
IBM
JEC 怡和機器 Jardine Engineering Corporation
MEINHARDT
Morgan Stanley
MTR
煤氣 Towngas
腾讯 Tencent
Paul Y 保華建業 Paul Y. Engineering

Thank you!