

6901 Bachelor of Science

Speaker

Professor Edmund Tse

Assistant Dean (Outreach)
Faculty of Science



Ignite your bright future
with science

High University Rankings

QS Asia
University
Rankings 2025

#2

QS World
University
Rankings 2026

#11

THE World
Reputation
Rankings 2025

#49



THE Asia
University
Rankings 2025

#6

THE World
University
Rankings 2026

#33

THE
Interdisciplinary
Science
Rankings 2025

#13

Science Departments/School



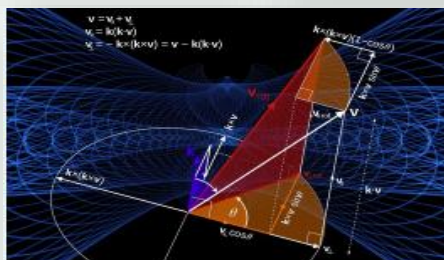
**School of Biological
Sciences**



**Department of
Chemistry**



**Department of Earth &
Planetary Sciences**



**Department of
Mathematics**



**Department of
Physics**

Affiliated School



**SCHOOL OF
COMPUTING &
DATA SCIENCE**
The University of Hong Kong



**School of Computing
and
Data Science**

(affiliated with both
the Faculty of Science and
the Faculty of Engineering)

Why HKU Science?



Top-notch Scholars

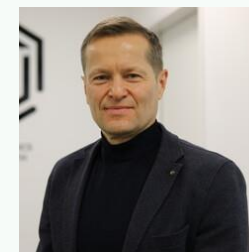
Awards and Achievements of our academics:

(Clarivate Analytics' Essential Science Indicators)

20.8% of professoriate staff (average over the past decade) are **classified Top 1% scholars**

Leads

6 Areas of Excellence (AoE) projects



*Professor Ferenc KRAUSZ
Chair Professor, Department of Physics
Nobel Laureate in Physics 2023*

- 1** Nobel Laureate
- 7** Memberships of foreign academies
- 6** Members/ foreign members of Chinese Academy of Sciences (CAS)
- 4** Members of Hong Kong Academy of Sciences

Faculty Achievements

Some of the Awards and Achievements of Our Academics

- ▶ Chern Prize
- ▶ Chinese Chemical Society's Contribution Award in Carbohydrate Chemistry
- ▶ Dow Lectureship at California Institute of Technology (Caltech)
- ▶ Future Science Prize – Mathematics and Computer Science Prize
- ▶ Innovators under 35 China Award (Inventor)
- ▶ L'Oréal-UNESCO Awards For Women in Science
- ▶ National Excellent Young Scientists Fund
- ▶ Royal Society of Chemistry Centenary Lectureship and Medal, UK
- ▶ Silver Bauhinia Star
- ▶ State Natural Science Award, China
- ▶ Tan Kah Kee Science Award in Mathematics & Physics
- ▶ Tencent New Cornerstone Investigator Program
- ▶ The InnoStars Award
- ▶ University of Illinois at Urbana-Champaign (UIUC) Bailar Medal

International Environment

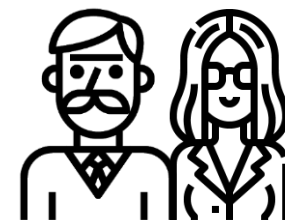


The Most International University
in the World in 2025

#4

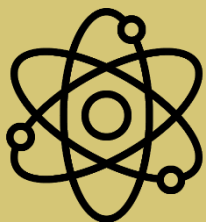


About **35%**
academic staff
in the Faculty
are from overseas



About **52%**
non-local students
in the Faculty





6901

Bachelor of Science (BSc)

Empowers scientific intellectuals to formulate solutions
to society's challenges

6901 Bachelor of Science

Key Features of Our BSc Programme

Simple and Flexible

- One entry in application for a choice of 11 Majors and 7 Intensive Majors
- Up to 2 years time to choose a Major
- Flexibility in changing Majors

No Quota or GPA Requirement for any Science Major



1 Major/ 2 Majors/ Major-Minor/ Major-2 Minors

- Students may take a 2nd Major or a Minor or 2 Minors in Science or non-Science disciplines

Academic Advising System

- One-on-one academic advice

A choice of **11 Science Majors** & **7 Intensive Majors**
to suit your interests and career aspirations

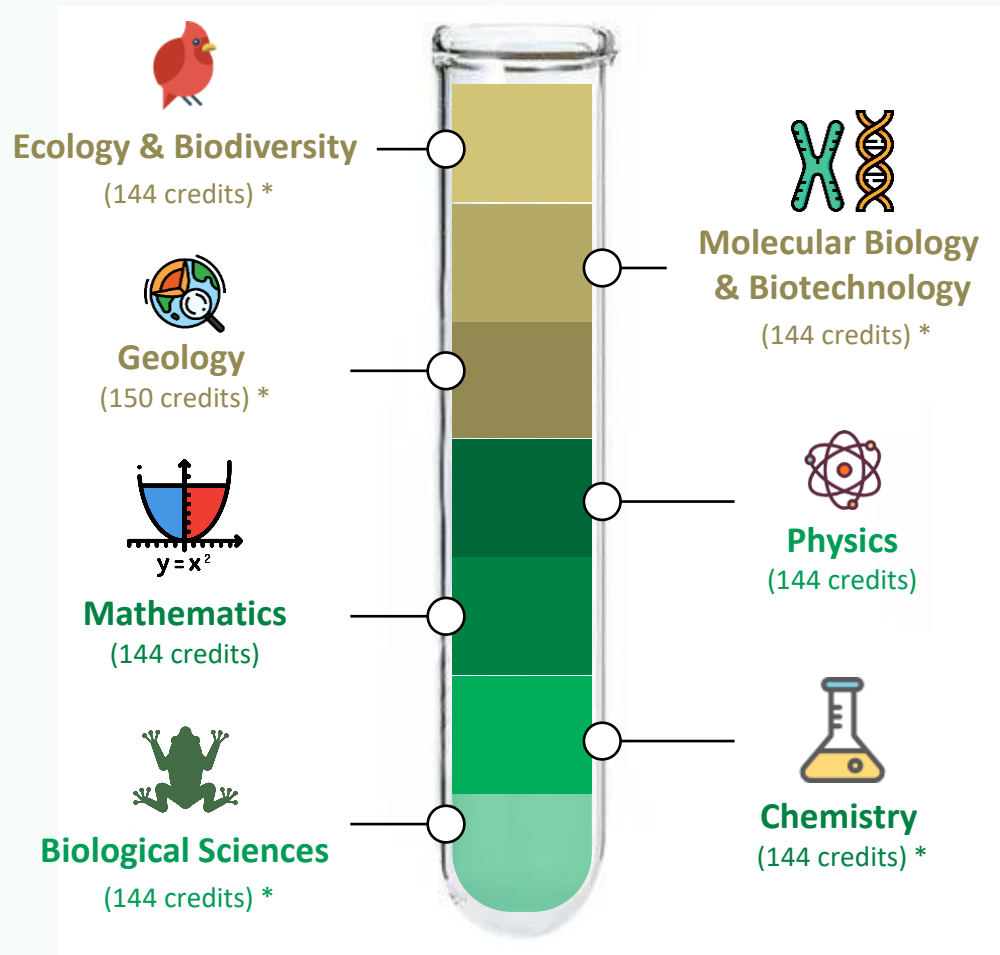
-  Biochemistry
-  Biological Sciences
-  Biological Sciences (Intensive)
-  Chemistry
-  Chemistry (Intensive)
-  Earth System Science
-  Ecology & Biodiversity
-  Ecology & Biodiversity (Intensive)
-  Environmental Science
-  Food & Nutritional Science

-  Geology
-  Geology (Intensive)
-  Mathematics
-  Mathematics (Intensive)
-  Molecular Biology & Biotechnology
-  Molecular Biology & Biotechnology (Intensive)
-  Physics
-  Physics (Intensive)

Develops capabilities in quantitative
and logical reasoning

**Comprehensive training
in science**

Cultivates ability to tackle novel situations
and solve complex problems



* Fulfill the accreditation requirements of various professional bodies in the UK

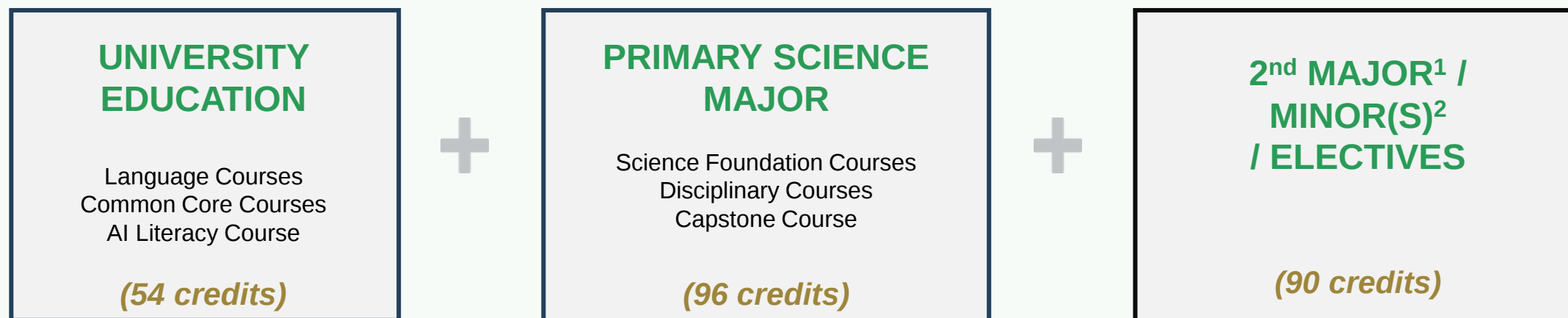
Intensive Majors

Specialisation and intensive training make experts

- Offered alongside the regular 96-credit Majors
- Provide students with **extensive subject knowledge**
- Equip students who intend to **pursue research** in science
- Listed **in the transcript**
- Advantage at **job seeking / postgraduate studies application / chartered status acquiring**

Curriculum Structure of Regular Majors

Forty 6-credit courses spanning over 4 years of full-time study
(240 Credits + Non-credit Bearing Requirement)



About the 2nd Major and Minor(s)

1. 11 regular Science Majors (96 credits) or from Arts, Business & Economics, Engineering, Social Sciences
2. 14 Science Minors (36 – 48 credits) or from Architecture, Arts, Business & Economics, Education, Engineering, Medicine, Social Sciences

Curriculum Structure of Intensive Majors

Forty 6-credit courses spanning over 4 years of full-time study
(240 Credits + Non-credit Bearing Requirement)



About the Minor

1. 14 Science Minors (36 – 42 credits) or from Architecture, Arts, Business & Economics, Education, Engineering, Medicine, Social Sciences

Special Features

Accreditations



Chemistry Major (Intensive)

- final year students are qualified to apply for RSC membership
- an authorised certificate to recognise students' achievements



Biological Sciences Major (Intensive)



Ecology & Biodiversity Major (Intensive)



Molecular Biology & Biotechnology Major (Intensive)

- gain additional recognition for skills and experience



Environmental Science Major

- Have a fast-track to professional membership (only 5 years of work experience needed after the degree)



The Geological Society
Accredited programme



Geology Major (Intensive)

- the qualification is recognised internationally and in HK
- an accelerated route to achieve the professional qualification with completion of the programme and fulfilment of specific project requirement
- a certificate awarded by the Department of Earth Sciences with the authorisation by the Society to recognise their achievements

Minor in Science Entrepreneurship

Opening the door to entrepreneurship

Features

Strong emphasis on **practical experience**, i.e. internship & capstone projects

Mentoring offered by entrepreneurs or senior staff in industry/business

Co-taught by other Faculties such as HKU Business School

New courses tailor-made for this Minor

Science student's team won Microsoft Imagine Cup World Champion

With an interactive mobile app to aid mental health care for youth

“Part of the success behind the start-up is really been the Science Entrepreneurship Minor at HKU and the support we have gained through iDendron and a lot of starting support groups at HKU.”

Cameron Xavier van BREDA

- BSc (Molecular Biology and Biotechnology) graduate; minor in Science Entrepreneurship
- Co-founder of Hollo



Your Study Plan



YEAR 1

- Explore different majors
- Find your own interests and strengths



YEAR 2

- Declare your major(s) / minor
- Prepare for your research, international exchange study or internship



YEAR 3

- International exchange study
- Internship
- Field trips
- Capstone course



YEAR 4

- Final Year Project
- Internship
- Capstone course

Diverse Learning Experiences

Undergraduate Research Experiences

- Overseas Research Fellowship (ORF):

Examples:

North America

- Columbia University
- University of California, Berkeley
- Yale School of Medicine

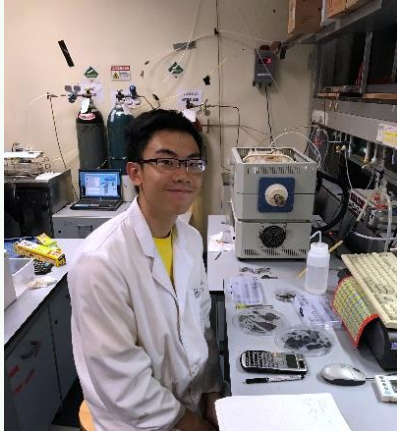
Europe

- CERN
- Imperial College London
- University of Cambridge

Asia

- Chinese Academy of Sciences
- Fudan University
- Peking University

- Summer Research Fellowship (SRF)
- Undergraduate Research Colloquium



Field Trips

Provide students with hands-on learning experience outside classroom

Examples of field trip destinations:

- Australia
- USA
- Thailand
- Japan
- Kenya



International Exchange Studies

Over 300 partner universities in more than 40 countries:

North America

- Harvard University
- University of British Columbia
- Yale University

Europe

- King's College London
- University of Oxford
- Technical University of Munich



Internships

- Enable students to apply knowledge in the workplace
- Prepare students for their careers

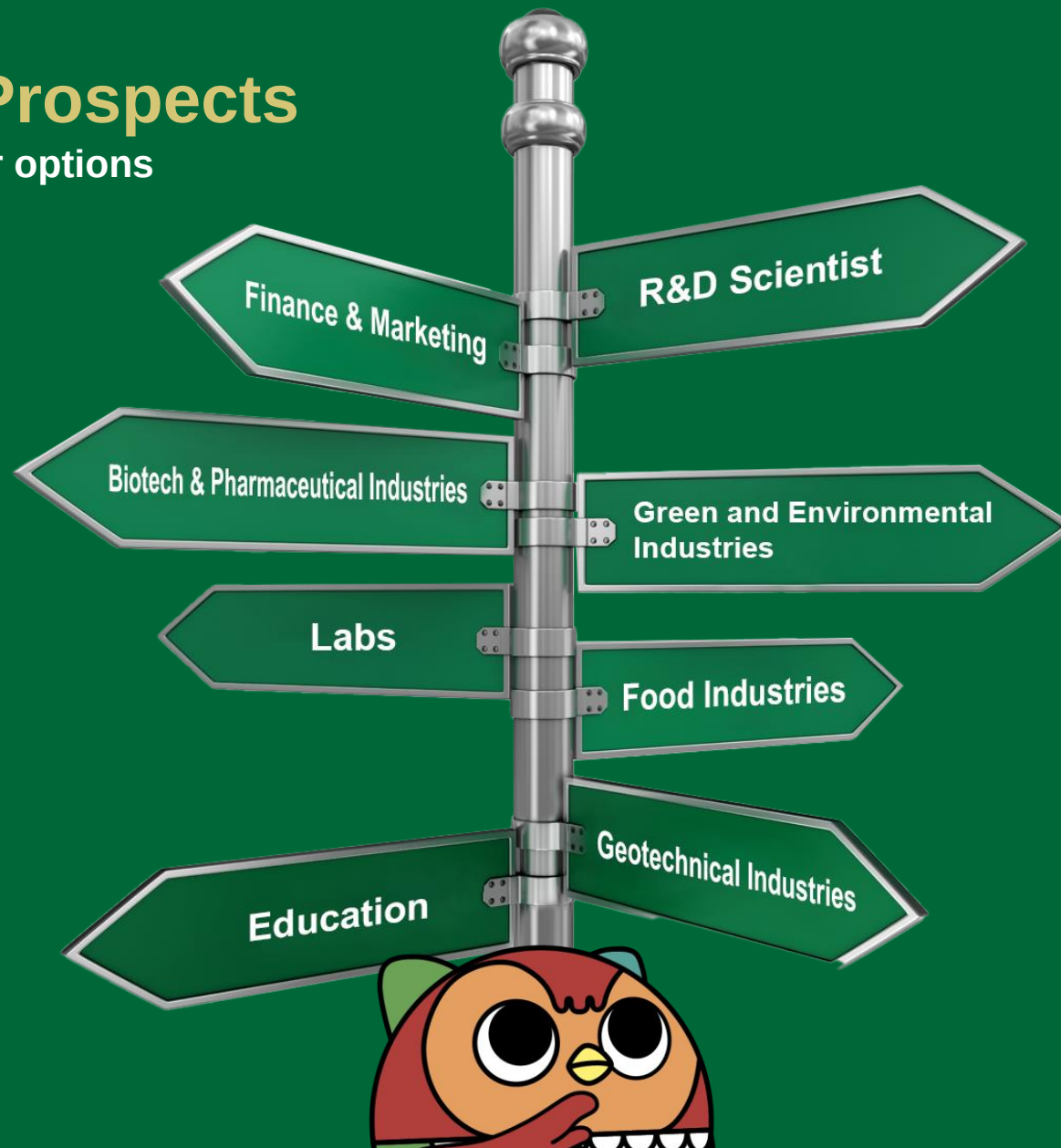


More than
400
students
participated
in internships

Figure from 2023-24

Career Prospects

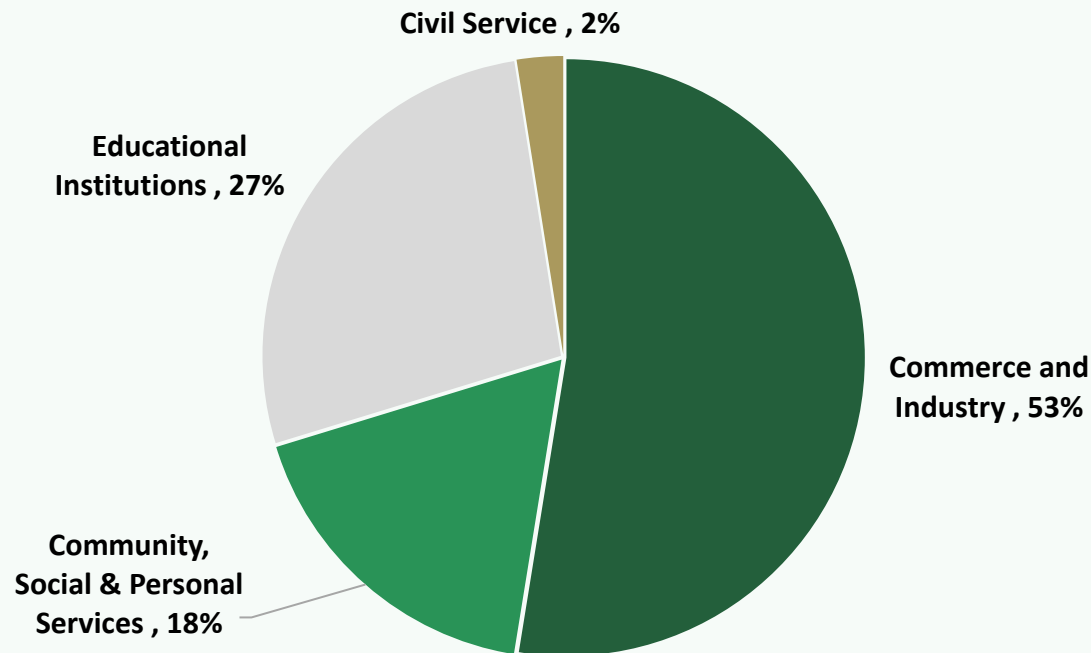
Diverse career options



Prospects of Graduates

Essentially **FULL** employment in the past decade (*includes further studies: 30.5%*)

MAJOR OCCUPATION OF HKU SCIENCE GRADUATES



Source: HKU Graduate Employment Survey 2023

HKU continued to be

#1

with the **highest employment rate and average salary** among the UGC-funded universities

HKU ranks

#10

QS World Graduate
Employability
Rankings 2022

#43

THE Global
Employability
University Ranking
2025

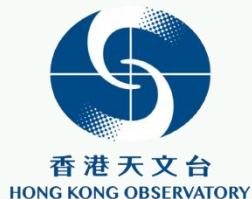
Career Prospects

Some of our Graduates' First Employers

Bloomberg



Morgan Stanley



**JPMORGAN
CHASE & CO.**

AECOM

星展銀行 DBS

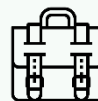


**香港賽馬會
The Hong Kong Jockey Club**

Further Studies

Other than Science, broad range of options in
Science-related disciplines, including

 Arts & Humanities

 Business

 Economics

 Engineering

 Medical & Health

 Pharmacology

Some of the Institutions Our Students Went for Further Studies



Cambridge



Illinois



Michigan



UCLA



Caltech



SLAC



MIT



UC San Diego



Chicago



Stanford



Oxford



Columbia



Texas



Princeton



Harvard



McGill



SBU

Articulation Pathways

Seamless articulation to widely recognised postgraduate programmes in HK and overseas

Career Path – Veterinary Doctor



To Doctor of Veterinary Medicine (DVM) at University of Melbourne (UoMelb)

◆ **2 degrees from the 2 universities** – the HKU BSc degree and the DVM in UoMelb in **as fast as 7 years**

Eligibility:

- Successful completion of a minimum of 6 semesters
- Gaining 186 credits under 6901 BSc programme



“Exposing yourself to different veterinary or animal-related experiences will certainly make your life in the programme easier.”

Jason WONG

BSc graduate
(majoring in Molecular Biology and Biotechnology),
also a student in DVM programme at the University
of Melbourne, Australia

Articulation Pathways

Career Path – Prepare you to devote to industries or government labs



To Taught Postgraduate
(TPG) Programmes at HKU
Science

4 years

6901 BSc



1 year or
1.5 years

**Full-time Taught Postgraduate (TPG)
Programmes at HKU Science**

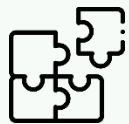
Eligibility:

- Selected students in the Faculty who meet CGPA requirement will only need to pay 50% of the tuition fee

Admissions Requirements

JUPAS applicants

Minimum Programme Entrance Requirements:

				
English Language	Chinese Language	Mathematics	Citizenship and Social Development/Liberal Studies	Elective Subjects
▼	▼	▼	▼	▼
Level 3	Level 3	Level 2	Attained/Level 2	Level 3* (two subjects)

*Elective subjects can be any Category A subjects and M1/M2, one of them must be a science subject (Biology, Chemistry, or Physics).

Selection principle: **BEST 5**

Must include:

Programme Formula Score

$$\begin{array}{|c|} \hline \text{English Language} \\ \hline \end{array} + \begin{array}{|c|} \hline \text{Mathematics} \\ \hline \end{array} \times 1.5 + \begin{array}{|c|} \hline \text{Best Science Elective}^{\wedge} \\ \hline \end{array} \times 1.5 + \begin{array}{|c|} \hline \text{The BEST 2 of remaining Category A subjects/M1/M2}^{\#} \\ \hline \end{array}$$

[^]refers to one of the following subjects, namely Biology, Chemistry, or Physics

[#]Subject Weighting(s): 1.5 x Biology / Chemistry / Physics / Mathematics Extended Part (Module 1 or 2)

HKDSE 'level to score' conversion

Category A Core and Elective Subjects and Extended Module 1 or Module 2 of Mathematics							
Level	1	2	3	4	5	5*	5**
Score	1	2	3	4	5.5	7	8.5

2026 Expected Programme Formula Score:

(for reference only): **31**

Science Entrance Scholarship

HKDSE Examination Results in one-sitting (total score in best 5 subjects in Category A or Extended Module 1 or Module 2 of Mathematics)	Scholarship Amount (HK\$)
Score = 42.5	\$70,000
Score $\geq$ 41	\$60,000
Score $\geq$ 39	\$50,000
Score $\geq$ 37	\$40,000
Score $\geq$ 35	\$20,000
Score < 35 with 5** in at least 2 subjects from Biology/ Chemistry/ Physics/ Mathematics/ M1/ M2	\$15,000
Score < 35 with 5** in at least 1 subject from Biology/ Chemistry/ Physics/ Mathematics/ M1/ M2	\$10,000

Admissions Requirements

Non-JUPAS applicants

Students holding non HKDSE qualifications are considered individually.

- We accept students with international qualifications such as GCEAL, IB, SAT, etc., and other national qualifications as appropriate.
- We also accept applications from students who have completed 1st year of a degree or AD/HD programme from other universities.



Admissions Requirements

Non-JUPAS applicants

Non-JUPAS applicants will be considered on a case-by-case basis.

2025 Admissions Statistics

(for reference only)

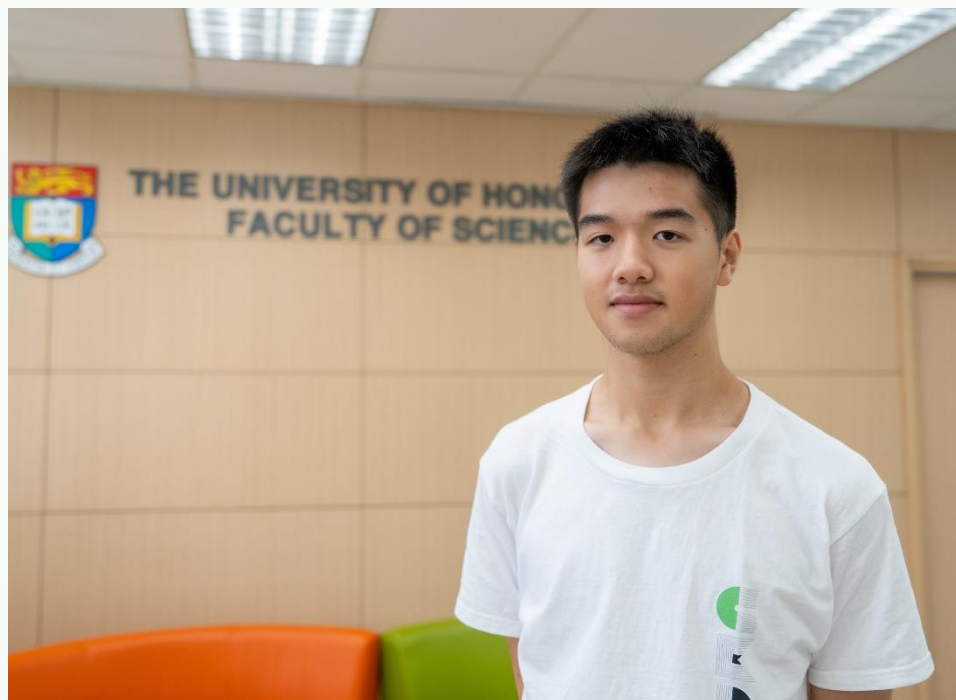
GCEAL

Lowest admissions score
1A* 2A

IB

Lowest admissions score
32

Public Exam High Achiever:



“I was drawn to HKU Science because of the **depth and breadth of the Science Intensive Majors**, which enable us to explore a wide range of biological knowledge while still allowing us to delve deeply into our chosen fields. At the same time, the international student community and the diversity of the student body foster the exchange of different perspectives and ideas.”

WONG Xiang Yu
BSc Year 1 student
Public Exam Result: IB: 45/45

Tuition Fees

Local:	Non-local
HKD 47,000 per year [#]	HKD 249,000 per year [^]

Subject to review annually

^Inclusive of HKD20,000 STEM Fee for Non-local Students Enrolling in STEM Faculties and Schools

2026 Admissions Quota

Local (JUPAS + Non-JUPAS):

253

**Separate quota for non-local applicants*

For more details
about the programme



<https://t.ly/NxLs6>

Enquiries



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www.scifac.hku.hk

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