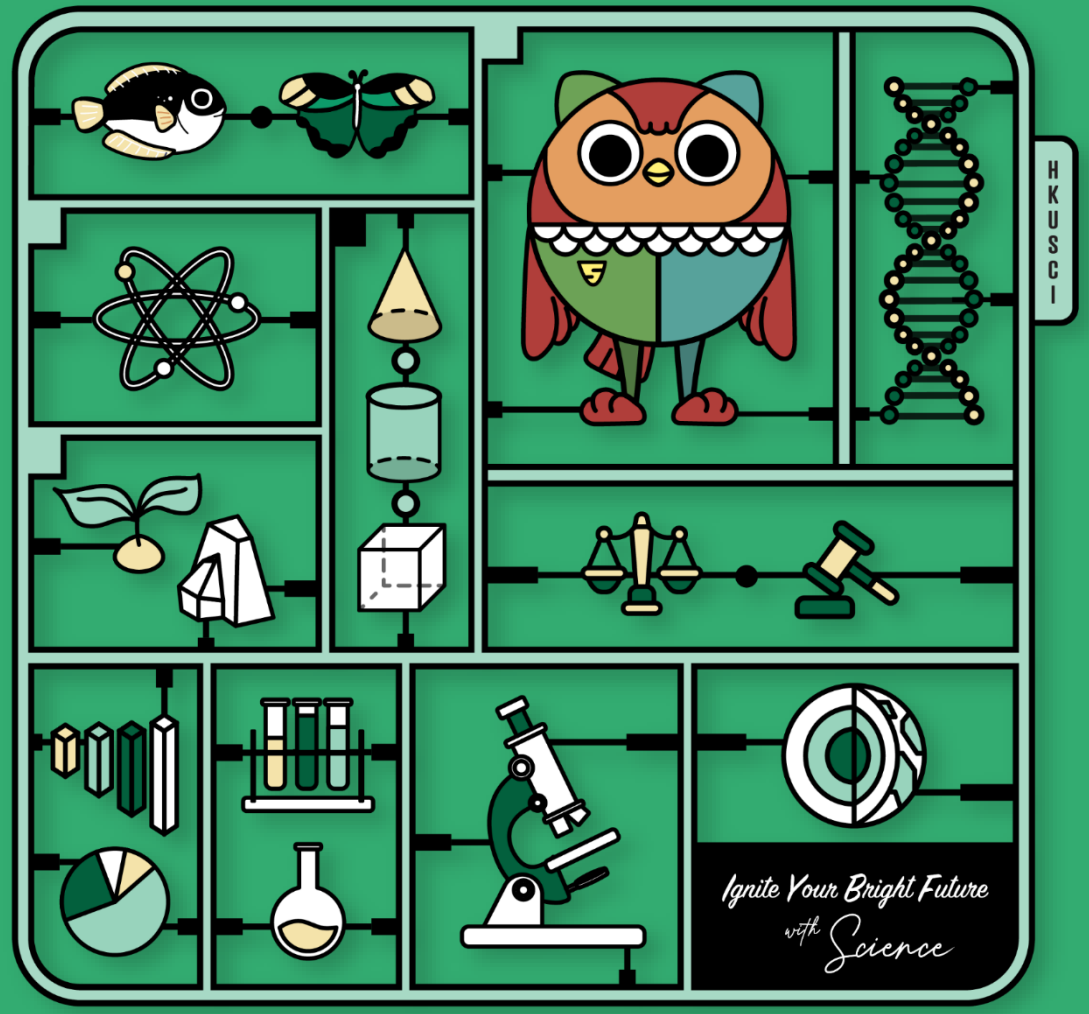
FACULTY OF SCIENCE
THE UNIVERSITY OF HONG KONG
香港大學理學院

Information Day for Undergraduate Admissions
@HKU Science

6901 Bachelor of Science Admissions Talk

Speaker

Professor Eddy Lam
Associate Dean (Student Affairs)
Faculty of Science

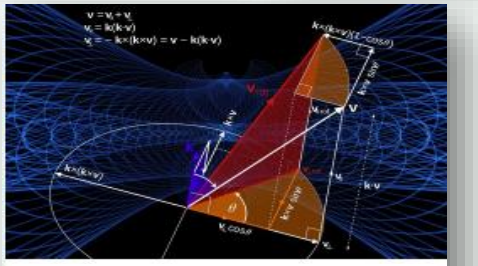


Science Departments/School

School of Biological Sciences

Department of Chemistry

Department of Earth 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)

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Why HKU Science?

High University Rankings

QS Asia University Rankings 2024 #2

QS World University Rankings 2025 #17

QS World Graduate Employability Rankings 2022 #10

THE Asia University Rankings 2024 #6

THE World University Rankings 2025 #35

THE Most International University in the World 2024 #6

Rankings by Science Subjects

Life Sciences: #43
Physical Sciences: #47

Life Sciences & Medicine: #29
Natural Sciences: #81

Top-notch Scholars

Awards and Achievements of our academics:

(Clarivate Analytics' Essential Science Indicators)

18.3% of professoriate staff (average over the past decade) are **classified Top 1% scholars**

Leads

6 Areas of Excellence (AoE) projects

1 Nobel Laureate
Professor Sir Fraser Stoddart
alongside with two fellow scientists, awarded the Nobel Prize in Chemistry in 2016

6 Members/ foreign members of Chinese Academy of Sciences (CAS)

8 Memberships of foreign academies

4 Members of Hong Kong Academy of Sciences

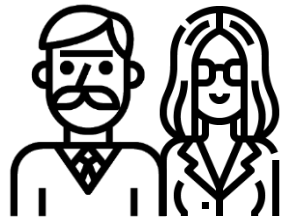
International Environment

THE WORLD UNIVERSITY RANKINGS

The Most International University in the World in 2024

#6

About **40%** academic staff in the Faculty are from overseas



About **47%** 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

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

No Quota or GPA Requirement for any Science Major

Academic Advising System

- One-on-one academic advice

Curriculum Structure of Regular Majors

Forty 6-credit courses spanning over 4 years of full-time study

(240 Credits + Non-credit Bearing Requirement)

UNIVERSITY EDUCATION

Language Courses
Common Core Courses

(54 credits)

+

PRIMARY SCIENCE MAJOR

Science Foundation Courses
Disciplinary Courses
Capstone Course

(96 credits)

+

2nd MAJOR[1] / MINOR(S)[2] / ELECTIVES

(90 credits)

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)

UNIVERSITY EDUCATION

Language Courses
Common Core Courses

(54 credits)

+

INTENSIVE SCIENCE MAJOR

Science Foundation Courses
Disciplinary Courses
Capstone Course

(144 - 150 credits)

+

MINOR(S)[1] / ELECTIVES

(36 - 42 credits)

About the Minor

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

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A choice of 11 Science Majors & 7 Intensive Majors

to suit your interests and career aspirations

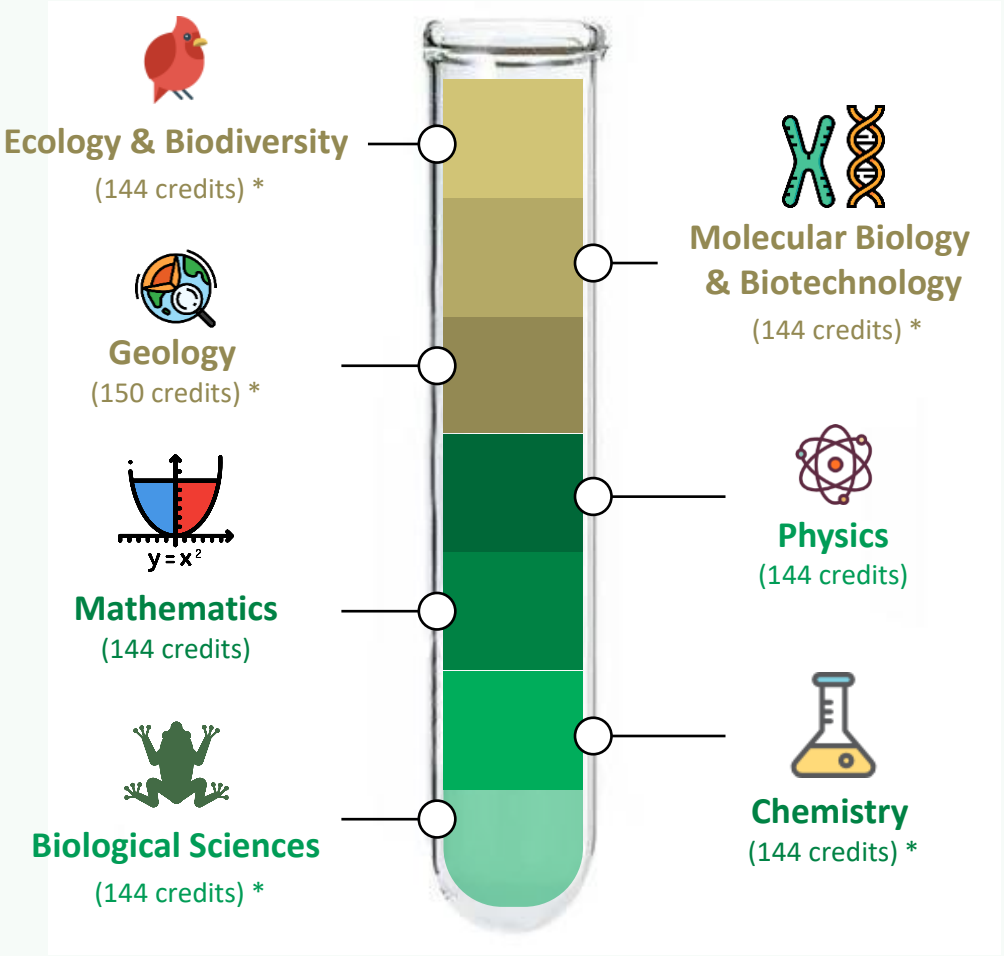
- Biochemistry
- Biological Sciences
- Biological Sciences (Intensive)
- Chemistry
- Chemistry (Intensive)
- Earth System Science
- Ecology & Biodiversity
- Ecology & Biodiversity (Intensive)
- Environmental Science
- Food & Nutritional Science
- Geology
- Geology (Intensive)
- Mathematics
- Mathematics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

SCIENCE CREATES KNOWLEDGE



** 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**

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)

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

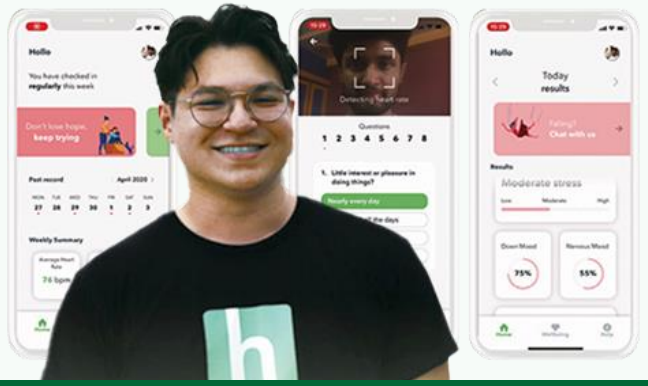
- Strong emphasis on **practical experience**, i.e. internship & capstone projects
- **Mentoring** offered by entrepreneurs or senior staff in industry/ business
- **Co-taught** by other Faculties such as HKU Business School
- **New courses tailor-made** for this Minor

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



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6901 **Bachelor of Science**

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

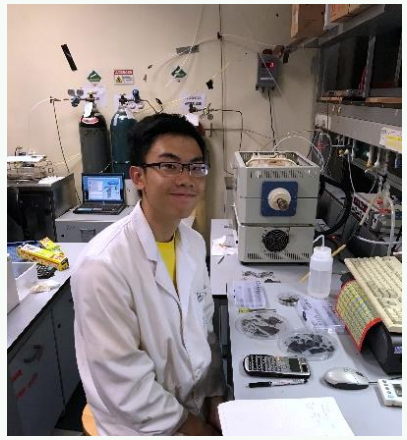
YEAR 3

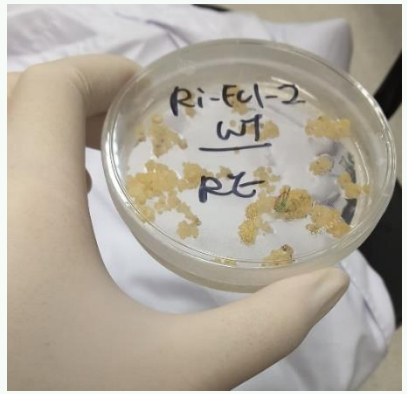
- International exchange study
- Internship
- Field trips
- Capstone course

YEAR 4

- Final Year Project
- Internship
- Capstone course

Diverse Learning Experiences





Undergraduate Research Experiences

- Overseas Research Fellowship (ORF):

  Examples:

  North America
  - California Institute of Technology
  - Columbia University
  - Cornell University
  - MIT
  - Stanford University
  - University of California

  Europe
  - CERN
  - University of Cambridge
  - University College London

- Summer Research Fellowship (SRF)
- Undergraduate Research Colloquium
- Final-year projects
- Directed studies

Field Trips

Provide students with hands-on learning experience outside classroom

Examples of field trip destinations:

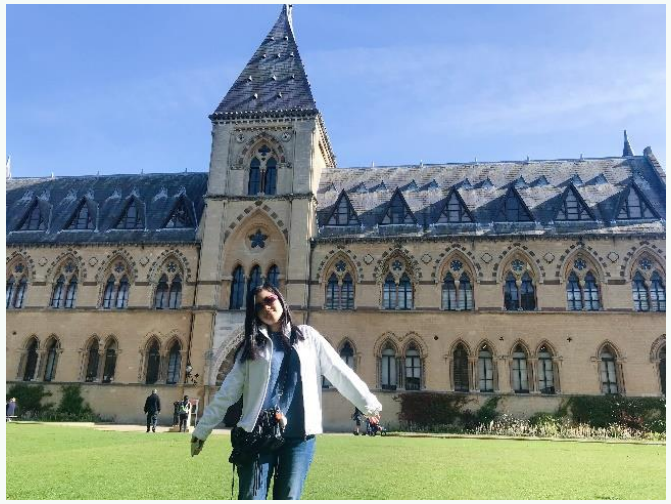
- Australia
- Canada
- Kenya
- Taiwan
- Thailand
- USA

International Exchange Studies

Over 300 partner universities in more than 40 countries:

North America
- University of California
- University of Chicago
- Columbia University
- Johns Hopkins University
- Stanford University

Europe
- University of Cambridge
- University of Oxford
- Imperial College London



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

Young Scientist Scheme

Early Research Experiences for

- Students in the 6688 Science Master Class Programme
- Outstanding students in the 6901 BSc Programme

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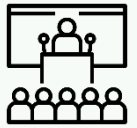
Young Scientist Scheme

Students in YSS are guaranteed with:

1. 
Summer Research Fellowship (SRF)

2. 
A further SRF or an Overseas Research Fellowship (ORF)

3. 
International exchange, visiting or summer study

4. 
Attendance to an international scientific conference

5. 
A research mentor

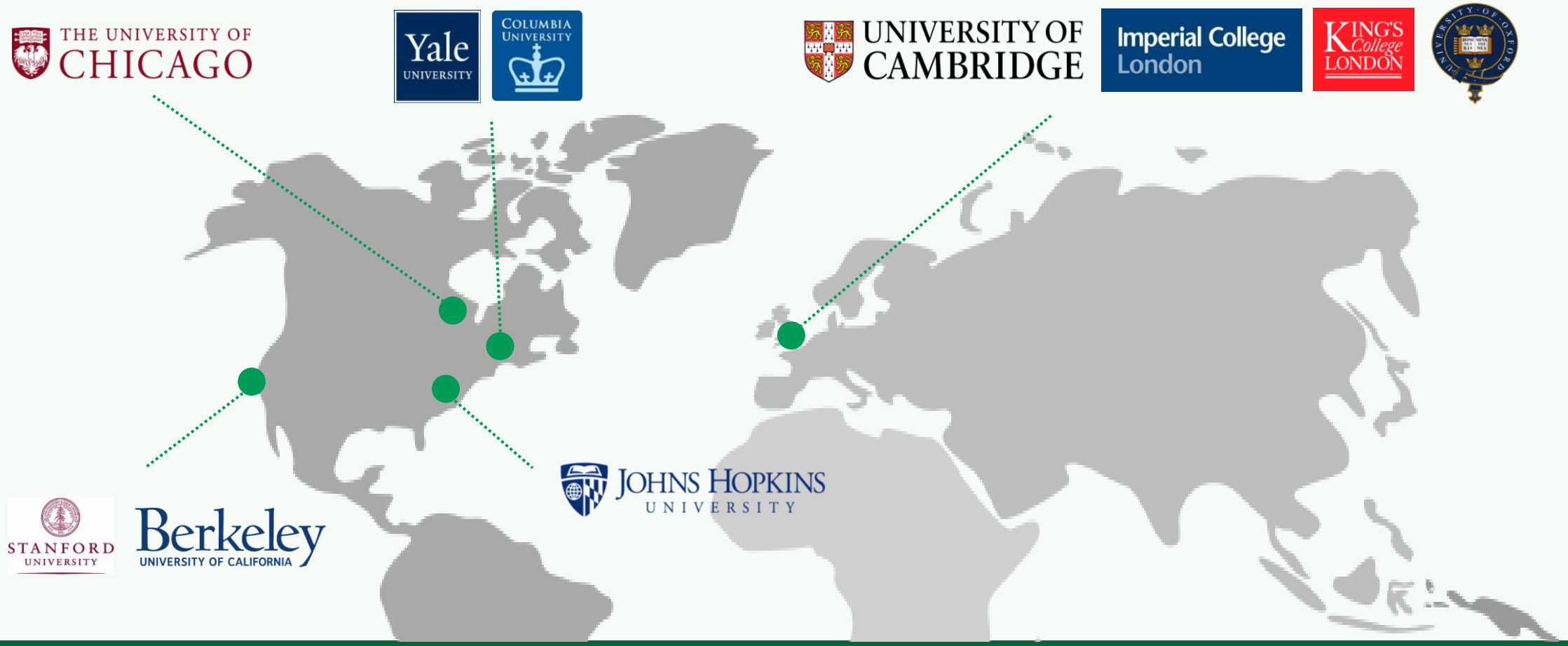
6. 
Enrolment in the Frontiers of Science Honours Seminar

7. 
Entrance scholarship*

**Case-by-case for Non-JUPAS students*

SCIENCE CREATES KNOWLEDGE

YSS participants are guaranteed to go on exchange, visiting or summer study in a top university, such as:



Cambridge-Track for selected YSS participants

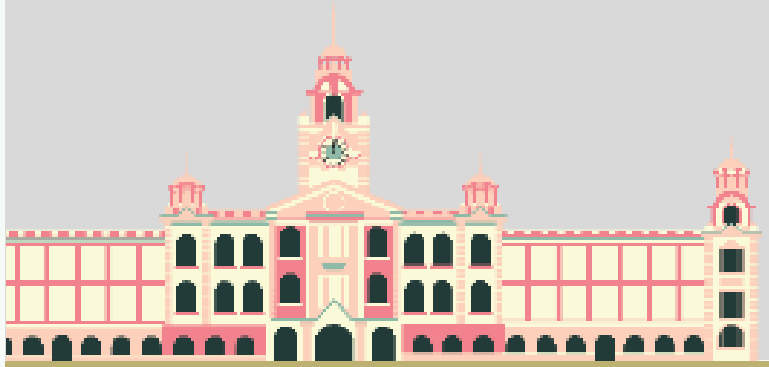
Earning 3-4 degrees upon successful completion of
2 years of studies at HKU and 2-3 years of studies at Cambridge

Year 1 | Year 2 | Year 3 | Year 4 | Year 5

HKU
Undergraduate Curriculum

Cambridge
Undergraduate Curriculum

Cambridge
Masters Curriculum



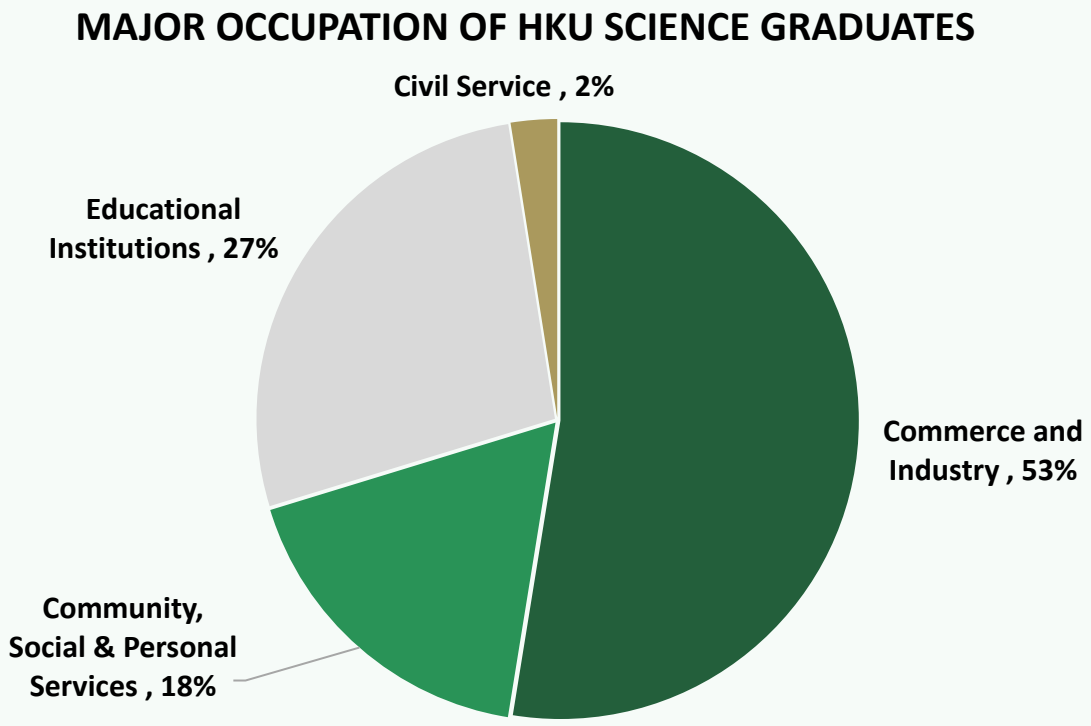
BSc(HKU), BA(Cantab), MA(Cantab)

MSci (Cantab)

Prospects of Graduates

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

Average monthly gross salary is around: HK$22,000



Source: HKU Graduate Employment Survey 2023

HKU continues 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

Career Prospects

Some of our Graduates' First Employers

Bloomberg
Microsoft
Morgan Stanley
HKLAB
SGS
香港天文台 HONG KONG OBSERVATORY
香港國際機場 HONG KONG INTERNATIONAL AIRPORT
教育局 Education Bureau
PCCW 電訊盈科
KPMG
L'ORÉAL PARIS
JPMORGAN CHASE & CO.
AECOM
星展銀行 DBS
香港賽馬會 The Hong Kong Jockey Club

6901 **Bachelor of Science**

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**

4 years **6901 BSc**

To Taught Postgraduate (TPG) Programmes at HKU Science

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

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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

English Language + Mathematics **x 1.5** + Best Science Elective^ **x 1.5** + The BEST 2 of remaining Category A subjects/M1/M2#

^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

2025 Expected Programme Formula Score:

(for reference only): 27

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.

2024 Admissions Statistics

(for reference only)

GCEAL
Lowest admissions score
1A* 2A

IB
Lowest admissions score
32

2025 Admissions Quota

Local (JUPAS + Non-JUPAS):

253

**Separate quota for non-local applicants*

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For more details about the programme

https://t.ly/NxLs6

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