



Science Undergraduate Programmes

2026-27 (Sept 2026 Intake)



Ignite your bright future
with science

Key programmes

6901

Bachelor of Science

Empowers scientific intellectuals to formulate solutions to society's challenges



- Simple and flexible
- One entry in the application, with a free choice of 11 Science Majors and 7 Intensive Majors
- Options of 1 Major / 2 Majors / Major-Minor / Major-2 Minors
- No quota nor GPA requirement for any Science Major
- Academic Advising System

6688

Bachelor of Science & Master of Research

(Science Master Class) (Double degree programme)

Incubates the next generation of scientists



- Fast-track for completing 2 degrees
- Learning from Science Masters
- Catering the needs of elite students
- Research-oriented

6858

Bachelor of Science and Bachelor of Laws

(5-year double degree programme jointly offered with the Faculty of Law)

Nurtures professionals with scientific and legal knowledge in a STEM-driven society



- First of its kind in Hong Kong
- Fast-track for completing 2 degrees in science and law
- Interdisciplinary training in scientific and legal skills
- Free choice of 11 Science Majors
- Articulation to Postgraduate Certificate in Laws (PCLL) as a step towards professional legal qualification

Co-hosted with other Faculty

6119

Bachelor of Education and Bachelor of Science

(5-year double degree programme) (co-hosted with the Faculty of Education)

Consolidates scientific knowledge through practical experience and teaching in science

- Covers both academic and professional studies
- Incorporates a graduate teaching qualification
- Development opportunities not just in education but also in commercial and government sectors



Offered by School of Computing and Data Science

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

6224

Bachelor of Arts and Sciences in Applied Artificial Intelligence

Impacts the world with the limitless power of AI

- Interdisciplinary programme for elite students
- Highlights diverse AI applications with featured concentrations
- Problem-based learning with a wide range of courses
- Broad career prospects

6248

Bachelor of Arts and Sciences in Financial Technology

6729

Bachelor of Science in Actuarial Science

A gateway to the actuarial profession with internationally recognised qualifications

- The only programme in Hong Kong accredited by the Institute and Faculty of Actuaries of UK
- Designated as a Center of Actuarial Excellence with University-Earned Credit programme by the Society of Actuaries of North America
- Provides specialist academic and professional training
- Internship opportunities and career prospects in major insurance companies, actuarial consulting firms, investment banks, etc.

6779

Statistical Decision Sciences

Bachelor of Statistics

Professional Cores in

- Decision Analytics
- Risk Management
- Statistics

6999

Computing and Data Science

Bachelor of Engineering in Computer Science

Bachelor of Engineering in Artificial Intelligence and Data Science



Why HKU Science



Global Experiences

Committed to nurturing students as global citizens with overseas experiences such as:

- Worldwide exchange studies
- Overseas Research Fellowship
- Overseas summer courses
- Field trips
- International scientific conferences
- Internships



International Environment

About 35% academic staff in the Faculty are from overseas



Top-ranked Scientists

Clarivate Analytics' Essential Science Indicators 20.8% of our professoriate staff (average over the past decade) are classified Top 1% scholars



Career Prospects

- Essentially 100% employment rate (includes further studies) in the past decade
- A wide range of career opportunities, spanning fields such as scientific research, technology, business, commerce, healthcare, environmental management, and beyond

High University Rankings



Asia #2
2025

World #11
2026



Asia #6
2025

World #33
2026

Graduate Employability 2022 #10

Most International Universities 2025 #4

Interdisciplinary Science 2025 #13

Departments / Schools



Biological Sciences



Physics



Chemistry



Computing and Data Science



Earth and Planetary Sciences

An affiliated School under both the Faculty of Science and Faculty of Engineering



Mathematics

Special features for Science Curricula

Young Scientist Scheme (YSS)



Ample early research experiences for

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

Intensive Majors

Specialisation and intensive training make experts



Biological Sciences



Ecology & Biodiversity



Mathematics



Physics



Chemistry



Geology



Molecular Biology & Biotechnology

Accreditations

Quality assured through recognition by international professional bodies



HKIQEP
香港環專會



Accredited degree



The Geological Society
Accredited programme



International Accredited Degree

Articulation Pathways

Seamless articulation to widely recognised postgraduate programmes

- Taught Postgraduate Programmes at HKU Science
- Doctor of Veterinary Medicine (DVM) at University of Melbourne (UoMelb)

Minor in Science Entrepreneurship

Opening the doors to science entrepreneurship

- Visualises how training in science bears relevance to the real world

Bachelor of Science

Empowers scientific intellectuals
to formulate solutions to society's challenges

The Programme

One entry in the application, with a free choice of:

11 Science Majors

- Biochemistry
- Biological Sciences
- Chemistry
- Earth System Science
- Ecology & Biodiversity
- Environmental Science¹
- Food & Nutritional Science
- Geology
- Mathematics
- Molecular Biology & Biotechnology
- Physics

Remark: Subject to change

7 Intensive Majors

-  **Biological Sciences²**
-  **Chemistry³**
-  **Ecology & Biodiversity²**
-  **Geology⁴**
-  **Mathematics**
-  **Molecular Biology & Biotechnology²**
-  **Physics**

Specialisation and intensive training make experts

- Offered alongside with the regular 96-credit Majors
- Provides students with extensive subject knowledge
- Equips students who intend to pursue research in science
- Listed in the transcript
- Has an advantage in job application, postgraduate studies, and when seeking chartered status

Accredited by:



Key Features

Academic Advising System

One-on-one academic advice

Options of 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 nor GPA requirement for any Science Major

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

Career Prospects

Employers prefer our graduates for their strong numerical, logical, and critical thinking skills.

Our graduates **excel in roles requiring scientific expertise**, including radiochemist, environmental consultant, nutritionists, AI engineer, clinical scientists, meteorologists, geologists, financial analysts, teachers, and forensic scientists.

By equipping students with the skills to address complex **Environmental, Social, and Governance (ESG)** challenges, many of our majors excel in nurturing ESG talent. As the importance of ESG continues to grow globally, our graduates gain a clear edge in the job market and make meaningful impacts.



Tackling Novel Situations

Nurtures a scientifically literate population to address the global challenges that human faces and to make wise decisions informed by scientific understanding

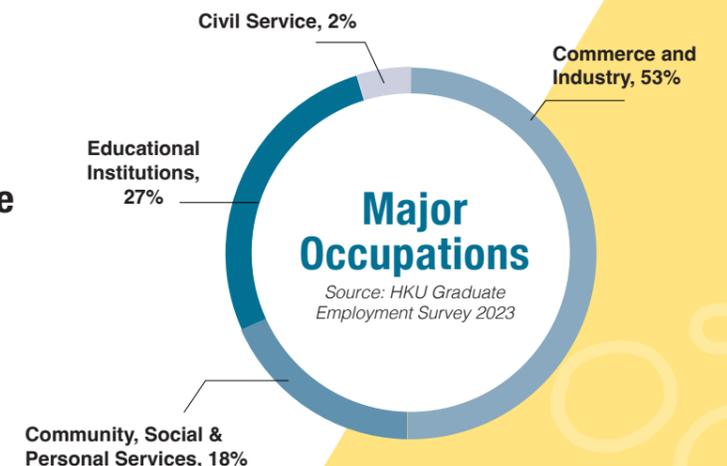


Employment Rate

Essentially 100% employment rate in the past decade (includes further studies)



Programme website



Young Scientist Scheme

- Ample early research experiences for
- Students in the 6688 Science Master Class Programme
 - Outstanding students in the 6901 BSc Programme

The Scheme

We are committed to providing outstanding students with access to a wide spectrum of scientific research areas, the best science education, and ample early research experiences, thereby incubating the next generation of scientists.

- Biological Sciences
- Chemistry
- Earth & Planetary Sciences
- Mathematics
- Physics



Key Features

-  Enrolment in our flagship **Summer Research Fellowship (SRF) Scheme** to conduct research under the supervision of our professors in the first summer
-  Individual **guidance from a personal research mentor** from the start of the undergraduate study
-  **A further SRF or an Overseas Research Fellowship (ORF) Scheme** in a foreign institution in a subsequent summer
-  Enrolment in our **Frontiers of Science Honours Seminar** to learn how our award-winning professors solve their research problems

-  **International exchange, visiting or summer study**
-  Attendance in an **international scientific conference** on frontier scientific research
-  **An entrance scholarship** ranging from HKD 10,000 to HKD 70,000



 **How to Join**



- Year 1**
 - Individual Guidance from Research Mentor
 - Summer Research Fellowship
- Year 2**
 - 2nd Summer Research Fellowship or Overseas Research Fellowship
- Year 3**
 - International Exchange, Visiting or Summer Study
- Year 4**
 - Final Year Project
 - International Conference
 - Frontiers of Science Honours Seminar

Institutions for Overseas Research Fellowship (ORF)

- Examples:
- North America**
- Columbia University
 - Johns Hopkins University
 - The University of British Columbia
 - University of California, Berkeley
 - University of California, Los Angeles
 - University of Toronto
 - Yale School of Medicine

- Europe**
- CERN
 - Imperial College London
 - University of Cambridge

- Asia**
- Chinese Academy of Sciences
 - Fudan University
 - Kyoto University
 - Peking University

Students sharing



Peter WONG
BSc Alumnus (Major in Biochemistry)
Participant of an International Influenza Conference in Australia



Tim SUI
BSc Alumnus (major in Biological Sciences, minor in Mathematics)
Visiting student at Yale University

Attendance in International Scientific Conference

'Participating in this conference broadened my perspective on respiratory virus research. The event featured seminars and presentations on a range of topics, including zoonotic influenza virus spillover, vaccine development, and antiviral efficacy. Beyond the main conference, I also attended the Mini-School of Influenza, a lecture-based programme covering foundational concepts in respiratory virology, public health, epidemiology, surveillance, and research-driven vaccine development. These sessions complemented my studies at HKU and provided an advanced extension of the knowledge I have gained.'

Eye-opening Visiting Study

'As a member of the Faculty's Young Scientist Scheme, I got the privilege and sponsorship to go to Yale University for a visiting study. At Yale, I experienced their graduation ceremony, attended some inspiring seminars, and even got to hear Nobel Laureate Svante Paabo share his insights. In addition, I took a research internship in Professor Gendron's lab, where I applied mathematical modelling to study plant photoperiodism, which enhanced my systems biology skills and further fuelled my goals.'

Articulation Pathways

Seamless articulation to widely recognised Postgraduate Programmes

Taught Postgraduate Programmes

@ HKU Science

Articulates HKU Bachelor Programmes to HKU Science Taught Master Programmes



Guaranteed admission of outstanding students to Taught Master Programmes

- Provides a convenient channel of specialised training for deepening knowledge in specific fields of science

Full-time study mode of 1 year or 1.5 years

4 YEARS

6901 Bachelor of Science

6729 Bachelor of Science in Actuarial Science

6224 Bachelor of Arts and Sciences in Applied Artificial Intelligence

1 year

- MSc in Environmental Management
- MSc in Integrative Marine Ecology and Conservation
- MSc in the field of Applied Geosciences
- MSc in the field of Food Industry: Management and Marketing
- MSc in the field of Food Safety and Toxicology
- MSc in the field of Physics
- MSc in the field of Space Science
- MSc in the field of Chemical Technologies for Health and Materials

1.5 years

- MSc in Artificial Intelligence

Application requirements

Students who have completed year 3

With a CGPA of 3.5 at graduation

Fulfilment of the MSc admissions requirements

Quota

No quota for the aforementioned articulation pathway

Remark: The list of taught postgraduate programmes for this articulation pathway is subject to change



Doctor of Veterinary Medicine (DVM)

@ University of Melbourne (UoMelb)

Pathway to talented students who aspire to pursue a career in veterinary

The Programme

HKU BSc + UoMelb DVM

In collaboration with University of Melbourne (UoMelb) in Australia, HKU Science provides a pathway to 6901 BSc students with the following majors to articulate into the DVM of the UoMelb:

- Biochemistry
- Biological Sciences
- Ecology & Biodiversity
- Molecular Biology & Biotechnology
- Food & Nutritional Science

About DVM @ UoMelb



Renowned university in the global arena



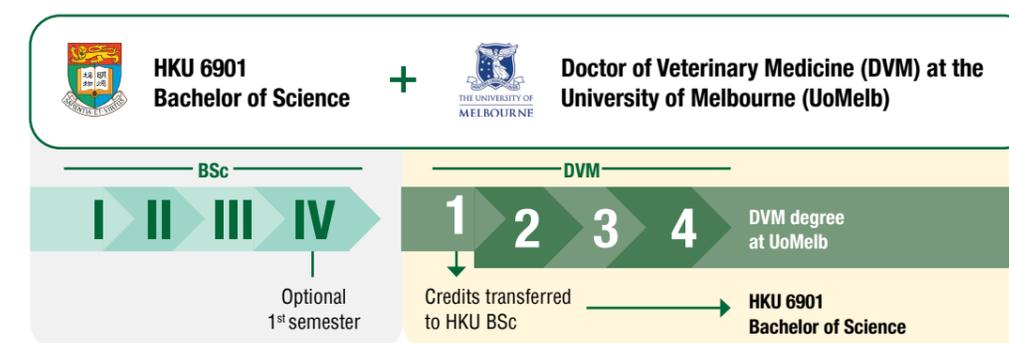
Its DVM programme ranks 25th in Veterinary Science of QS World University Rankings 2025



Accredited by the Australasian Veterinary Boards Council Inc. (Australia), American Veterinary Medical Association (USA) and Royal College of Veterinary Surgeons (UK)

Study Path

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



Application Requirements

Requirements for selected HKU Science undergraduate students

6 + 186
Successful completion of a minimum of 6 semesters gaining 186 credits under BSc 6901 programme

Credits obtained during the first year of DVM at UoMelb can be transferred to HKU as electives for fulfilling the credit requirements of the BSc programme (subject to relevant HKU regulations)

Programme fees

Students will pay HKU fees and UoMelb fees for their study at HKU and UoMelb, respectively

Quota

A maximum of 5 places annually

Career Prospects



Graduates will be able to register as veterinary surgeons and practise in HK through Veterinary Surgeons Board of Hong Kong and also in many countries such as Australia, UK and US.

Minor in Science Entrepreneurship

Opening the doors to entrepreneurship

Aims

-  Broadening the horizon of our undergraduate students **with respect to entrepreneurship**
-  Offering more competitive edges to our students by **connecting their academic knowledge with the real world**
-  Bringing students huge insights through **critical analysis of existing enterprises' operation**



Key Features

-  **Co-taught by other Faculties** such as HKU Business School
-  Strong emphasis on **practical experience**: Internship, Capstone projects
-  **Mentorship** by entrepreneurs or senior staff in industry/business
-  Incorporates **new courses tailor-made for this Minor** such as organisational behaviours, leadership, principles of technology entrepreneurship, science-based innovation development, strategic marketing and user analysis

Diverse Learning Experiences

Undergraduate Research Experiences

Overseas Research Fellowship (ORF)

Examples:

- Columbia University
- University of California, Berkeley
- Yale School of Medicine
- CERN
- Imperial College London
- University of Cambridge
- Chinese Academy of Sciences
- Fudan University
- Peking University

Summer Research Fellowship (SRF) / Undergraduate Research / Colloquium Final-year Projects / Directed Studies

Field Trips

Provide students with hands-on learning experience

Examples of field trip destinations:

- Australia
- Thailand
- Japan
- USA
- Kenya

International Exchange Studies

Over 300 partner universities in more than 40 countries, including:

North America

- Harvard University
- University of British Columbia
- Yale University

Europe

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

Internships

Opportunities in

- Government bodies
- Scientific laboratories
- Non-government agencies / NGOs
- Commercial companies

Accreditations

Quality assured through recognition by international professional bodies

Hong Kong Institute of Qualified Environmental Professionals

- The Environmental Science Major has been conferred the accreditation
- Students need to complete 11 courses for the accredited pathway and can enrol in HKIQEP's Student Membership during their study at HKU
- Students who graduate on the HKIQEP accredited programme will:



have a fast-track to Professional Membership (only 5 years of work experience needed after the degree)

Royal Society of Biology (RSB), UK

- Biological Sciences, Ecology & Biodiversity and Molecular Biology & Biotechnology Intensive Majors have been conferred the accreditation
- The Ecology & Biodiversity Intensive Major is the first programme of its kind accredited by RSB in Asia
- Students completed the RSB accredited programme will be awarded a certificate by the School of Biological Sciences, with authorisation by the RSB, to recognise their achievements
- Graduates will receive one year of guest membership of RSB at Associate level, helping them to:



stay up-to-date with what is happening across life sciences



gain additional recognition for their skills and experience



demonstrate their support for the future of biology



develop their professional network

Royal Society of Chemistry (RSC), UK

- Exclusively for students who wish to specialise in chemistry
- Students completed the RSC accredited Chemistry Intensive programme will be awarded a certificate by the Department of Chemistry with authorisation by RSC to recognise their achievements
- All students in the final year of this accredited programme are qualified to apply for membership to RSC



The Geological Society, UK

- Students completed specified Geology Intensive programme and fulfilled the specific project requirement in EASC4999 Earth Sciences Project will receive an accredited degree which provides an accelerated route to achieve the qualification
- Students completed The Geological Society accredited programme will be awarded a certificate by the Department of Earth and Planetary Sciences with the authorisation by the Society to recognise their achievements
- Qualification recognised internationally and in Hong Kong, and chartered geologists are regarded as professionally equivalent to chartered engineers



Science Master Class

Learn from the Best Minds
Be Inspired by Our Science Masters

Double degree programme for elite students

The Programme

Provides a fast-track of study for talented students:

BSc
Bachelor of Science

MRes
Master of Research



Completing 2 degrees
at an accelerated pace



Disciplinary-based intensive study for research-aspired students

- Caters specifically to the needs of science-inclined students, with more learning opportunities, intensive training and inspirations
- Allows research-aspired students to immerse themselves in an authentic research environment and learn from Grand Masters and Masters with diverse backgrounds in Science
- Incubates the next generation of dynamic scientists who are able to translate scientific knowledge into practical applications with far- and wide- reaching impacts

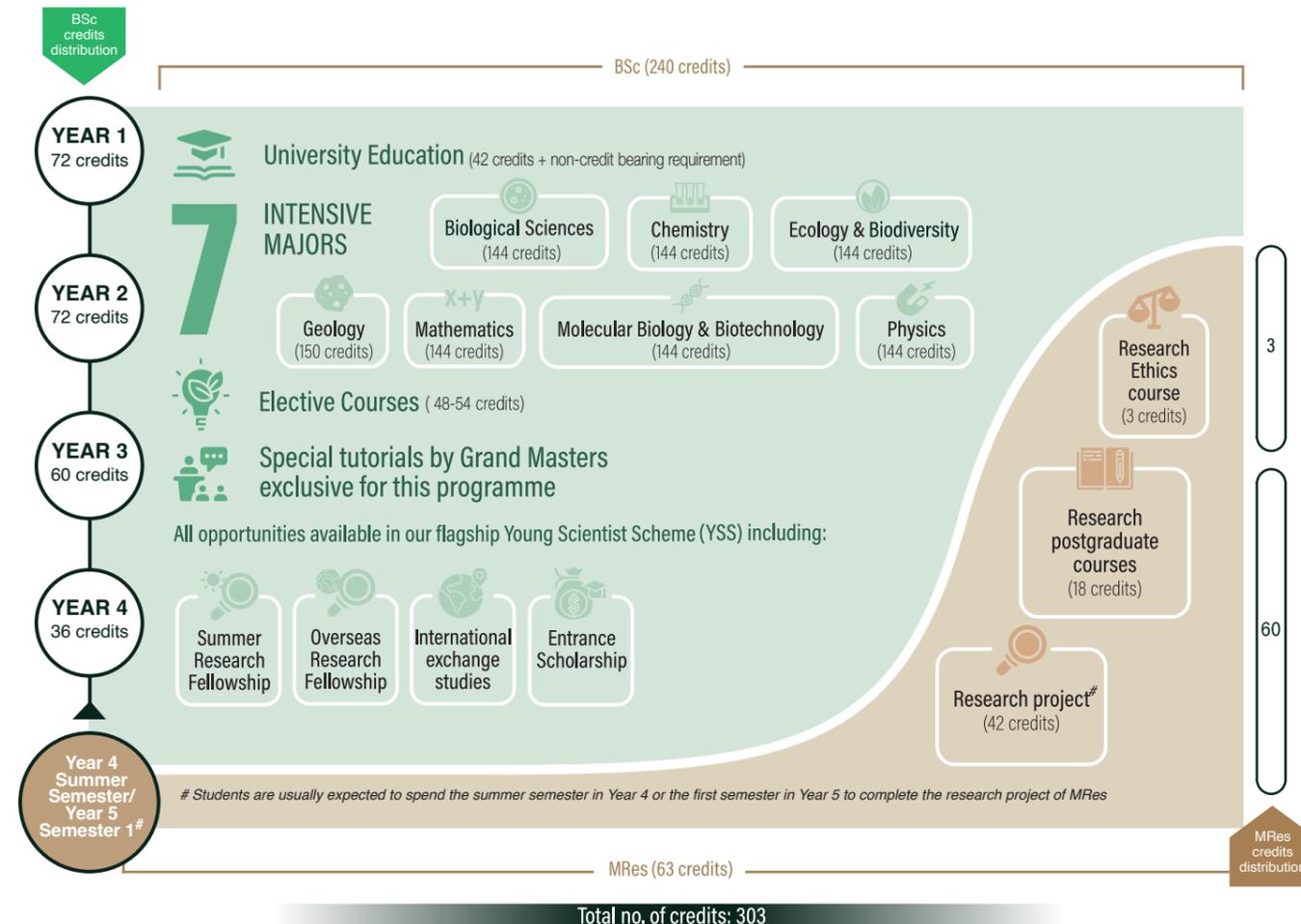
Ample Opportunities available in our flagship Young Scientist Scheme (YSS)

- Summer Research Fellowship
- Overseas Research Fellowship
- Entrance Scholarship
- Exchange Study

Learning from Renowned Scientists Including

- Members of Chinese Academy of Sciences
- Members of Academy of Sciences of Hong Kong
- Members of Hong Kong's Young Academy of Sciences
- International Member for US National Academy of Sciences
- Foreign Member of Academia Europaea
- Awardees of State Natural Science Awards
- A number of highly cited scientists

Remarks: Students in the programme have to maintain a high CGPA in order to remain in this double degree programme or else they have to switch to the 6901 BSc programme



Career Prospects



Professional recognition

5 Intensive Majors* fulfil accreditation requirements of various societies in the UK



- Biological Sciences (Intensive)
- Ecology & Biodiversity (Intensive)
- Molecular Biology & Biotechnology (Intensive)
- Geology (Intensive)
- Chemistry (Intensive)

* There is no accreditation available in the fields of Mathematics and Physics.



Career development & network

- Nurtures students who intend to pursue research in science
- After completing the BSc and the MRes, students will be fully equipped to further pursue graduate studies in prominent universities overseas or in HKU
- Builds a consortium of young researchers for cross fertilisation of innovative ideas and facilitate possible multidisciplinary projects



Transferable skills

- Provides students with extensive subject knowledge and specialised training
- Nurtures a scientifically literate population to formulate solutions for challenges



Programme website

Bachelor of Science and Bachelor of Laws

Nurtures professionals with scientific and legal knowledge in a STEM-driven society

The Programme

LAWS (156 credits)

- Foundational legal concepts and systematic honing of professional skills such as critical thinking, analytical and problem-solving skills, etc. Courses on case reading, legal research and writing and statutory interpretation, etc.
- Valuable experiential learning opportunities
Experiential learning courses

SCIENCE (96 credits)

- Scientific knowledge & research skills
Lectures, laboratory courses and workshops

INTERDISCIPLINARITY (12 credits)

- Cross-disciplinary knowledge, analytical and evaluation skills
- Independent research experience with original thinking
Research projects, field camps and project-based courses
- Work experience
Internships, placements

UNIVERSITY EDUCATION (36 credits)

- Language Courses
- Common Core Courses
- Non-credit bearing requirement

Interdisciplinary knowledge and skills in SCIENCE and LAW



Double degree programme
Attaining 2 degrees in 5 years
(300 credits)

Key Features

- **First of its kind** in Hong Kong for students who intend to develop expertise in both science and law
- Cultivates **legal and scientific mindsets** for academic talents
- Copes with the soaring demand of **patent practitioners and legal professionals** in the technology industry
- Feeds into the development of **science talents** who are capable of handling a wide variety of innovation-related matters such as patent applications

Career Prospects & Articulation Pathways

Transferable skills

- Provides students with extensive subject knowledge and specialised training in law and science
- Nurtures a scientifically literate population with legal knowledge to formulate solutions for challenges

Articulation

- Eligible to apply for the Postgraduate Certificate in Laws (PCLL) after completing the double degree programme
- In a position to apply for other postgraduate programmes in law or science

- Educational institutions
- Entrepreneurs in biotechnology industry
- Researchers in the fields of science or law
- Community, social & personal services
- Environmentalists
- Commerce and industry
- Business compliance professionals in technology companies
- Government or regulatory officials handling intellectual property/technology-related matters
- Further studies in science
- Professional qualifications in business management, accountancy, corporate administrations, etc.
- Solicitors, barristers of in-house counsel (specialising in intellectual property/technology-related matters)

World Rankings

Law



#30
by subject 2025



#15
by subject 2025

Science



Life Sciences #45
by subject 2025

Physical Sciences #41
by subject 2025



Natural Sciences #58
by subject 2025

Life Sciences & Medicine #34
by subject 2025



Programme website

Embark on an Inspirational Journey with
School of Computing and Data Science (CDS)

A new school under the Faculty of Science and Faculty of Engineering encompassing three departments: Computer Science, AI & Data Science, and Statistics & Actuarial Science, has been established, with a mission to consolidate and foster education and research related to Computing, Data Science, Statistical Sciences, and Artificial Intelligence.

Programmes under CDS

6224 Bachelor of Arts and Sciences in Applied Artificial Intelligence
 BAsc(AppliedAI)

6248 Bachelor of Arts and Sciences in Financial Technology
 BAsc(FinTech)

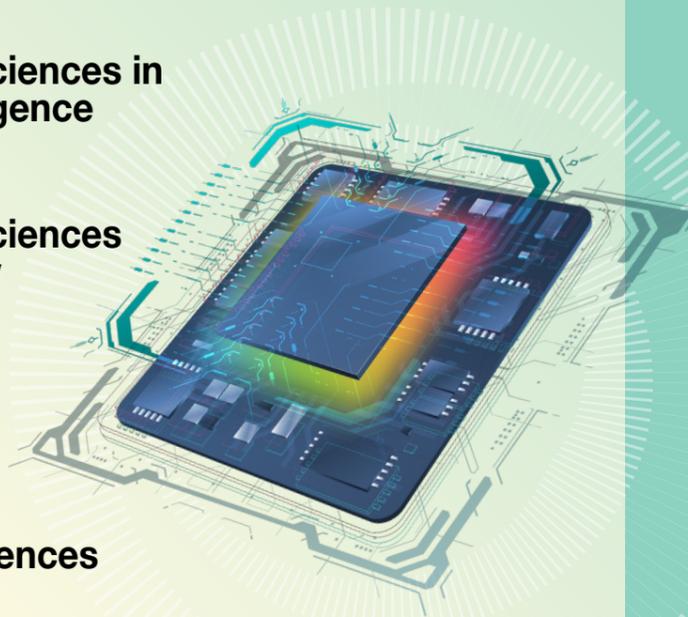
6729 Bachelor of Science in Actuarial Science
 BSc(ActuarSc)

6779 Statistical Decision Sciences Bachelor of Statistics
 BStat

- Professional Cores in
- Decision Analytics
 - Risk Management
 - Statistics

6999 Bachelor of Engineering in Computer Science
 BEng(CompSc)

Bachelor of Engineering in Artificial Intelligence and Data Science
 BEng(AI&DataSc)



BAsc(AppliedAI)

6224

Bachelor of Arts and Sciences in Applied Artificial Intelligence
 Impacts the world with the limitless power of AI

The Programme

- Highlights **diverse AI applications** to help students develop intellectual capacity for meeting new challenges
- Emphasises **problem-based learning** with a wide range of courses: computer science, geography, mathematics, psychology, statistics and urban studies
- Delivers both **fundamental and practical knowledge in the design and construction of intelligent systems** to fit into different career settings
- Nurtures students to **transfer interdisciplinary scientific knowledge** into a range of integrated applications and technological innovations

Key Features



Interdisciplinary programme for elite students
 Provides formal academic training to elite students who wish to join the AI profession



Featured concentrations

- AI
- Technology
 - in Business and Finance
 - in Smart City
 - in Medicine
 - in Neurocognitive Science



Interdisciplinary training
 Facilitates a coordinated approach in collaboration with the Faculties of Engineering, Social Sciences and Architecture



Programme website

6729

Bachelor of Science in Actuarial Science
 A gateway to the actuarial profession with internationally recognised qualification

The Programme

Provides specialist academic and professional training in actuarial science

Prepares students for professional examinations to Associateship level

UK Institute and Faculty of Actuaries
North America Casualty Actuarial Society and Society of Actuaries

where graduates will be exempted from various professional examinations

UK Institute and Faculty of Actuaries
North America Society of Actuaries

Offers courses with Validation by Educational Experience (VEE)

North America Casualty Actuarial Society, Society of Actuaries and Canadian Institute of Actuaries

Key Features



Accreditation: The ONLY programme in Hong Kong accredited by Institute and Faculty of Actuaries



Institute and Faculty of Actuaries



Professional recognition: The Department of Statistics & Actuarial Science has been designated a Centre of Actuarial Excellence by the Society of Actuaries since 2011

Their University-Earned Credit programme allows students to obtain credit for preliminary exams by achieving a required exam mark in specified BSc(ActuarSc) courses



Programme website

6779

Statistical Decision Sciences Bachelor of Statistics

Professional Cores in Decision Analytics, Risk Management, Statistics

The Programme

It aims to provide comprehensive training to students in the area of quantitative analysis and statistical modelling, with an emphasis on both theory and practice, equipping students to master problem solving skills and data science techniques.

Key Features

In Statistical Decision Sciences, three specialised Professional Cores* are offered under the degree Bachelor of Statistics (BStat), namely:

- (1) Decision Analytics
- (2) Risk Management, and
- (3) Statistics.

Students shall make a preliminary choice of a Professional Core as an indication of their preferences from second year, and will be allowed to switch between the Professional Cores according to their interests, with no limit on quota, during their studies.

**Upon completion of the programme, the Professional Core will be displayed on the transcript, indicating the specialisation of the BStat degree awarded to each graduate.*



Programme
website

Professional Recognition



6248

Bachelor of Arts and Sciences in Financial Technology

The Programme

Jointly offered by the School of Computing and Data Science and the Business School, this programme seeks to empower financial technologists and entrepreneurs with integrated knowledge in finance and technology to pioneer the application of FinTech. The interdisciplinary degree programme combines computing, finance, and policies and regulations to furnish you with a solid foundation in FinTech disciplines.



Programme
website

6999

Bachelor of Engineering in Computer Science [BEng(CompSc)] Bachelor of Engineering in Artificial Intelligence and Data Science [BEng(AI&DataSc)]

The Programme

BEng(CompSc) and BEng(AI&DataSc) are two professional degree programmes designed to equip students with the necessary skills and knowledge to excel in the rapidly evolving field of computing, AI, data science, and other transformative technologies. They provide a comprehensive education that prepares students to be leaders in their field, driving innovation and shaping the future technology. BEng(CompSc) has been accredited by The Hong Kong Institution of Engineers. Meanwhile, BEng(AI&DataSc) is a new programme, accreditation has been planned and will be sought as soon as the first cohort graduates.



Programme
website

Bachelor of Education and Bachelor of Science

Consolidates scientific knowledge through practical experience and teaching in science

The Programme

Integrated programme offering both Academic and Professional studies

5-year double
degree
programme
(300 credits)



Science Major & Education Core Courses

Requires students to complete 300 credits of course units including:

- Science courses to fulfil the requirement of a Science Major
- Education professional core courses with the Faculty of Education

Key Features



Professional training:

- Incorporates a graduate teaching qualification equivalent to a BSc plus a Postgraduate Diploma in Education
- Pedagogy courses and Teaching Practice in Hong Kong secondary schools

Career Prospects

Thorough knowledge of Science subjects, broad understanding of educational issues, and high level classroom expertise prepare graduates for teaching Science at all levels in local secondary and international schools

Graduates also find employment opportunities in industrial and government sectors in which BSc graduates are often employed



Programme
website



Listen to Our Students

Why public exam high achievers chose our programmes?



Biological Sciences

JIANG Xin
BSc student
(major in Biological Sciences and minor in Mathematics)

HKU recognised my academic efforts and excellence with a full scholarship upon admission. This acknowledgment, along with the diverse opportunities offered across subject fields, played a key role in my decision. I've participated in research labs, marine biology programmes, and regional market studies, gaining both scientific and transferable skills. Choosing HKU and the Faculty of Science has been one of the most rewarding decisions I've ever made.



Chemistry

LOO Sum
BSc&MRes student
(major in Chemistry (Intensive) and minor in Chinese Language and Literature)

I chose HKU because it's the best university in Hong Kong and offers the top programme for elite science students. My passion for chemistry, blending theory and experiments, made this programme ideal for achieving my goals. A key benefit has been the Summer Research Fellowship (SRF), which gave me, as a first-year student, the rare chance to work in a professional lab under HKU professors. These experiences and mentorship have shaped my journey toward a career in chemistry.



Molecular Biology & Biotechnology

Kornelia PIOSIK
BSc student
(major in Molecular Biology & Biotechnology (intensive))

Committing to a university located six time zones away from home was not an easy decision. However, the abundant research opportunities at HKU and its flexible yet focused educational pathways convinced me that becoming an HKU student would equip me with essential skills for my future career. Initially drawn to the wide range of majors offered within the BSc programme, including both regular and intensive majors. I was excited to be offered a place in the research-focused Young Scientist Scheme. This programme provides me with mentorship throughout my undergraduate studies and the opportunity to participate in the Summer Research Fellowship Scheme, where I will gain practical laboratory experience this summer.

Career Prospects

QS World Graduate Employability Rankings



HKU 2022 #10

Major occupation of HKU Science graduates

53% Commerce and Industry

18% Community, Social & Personal Services

27% Educational Institutions

2% Civil Service

Some of our graduates' first employers

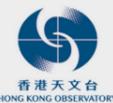
AECOM

Bloomberg

DBS
星展銀行

教育局
Education Bureau

HK LAB



L'ORÉAL
PARIS

KPMG

Microsoft

Morgan Stanley

PCCW
電訊盈科

SGS

香港賽馬會
The Hong Kong Jockey Club



Articulation to DVM@UoMelb

Jason WONG
BSc student
(major in Molecular Biology and Biotechnology)

I was genuinely interested in biology since high school, and I was aware that there is an articulation pathway with this degree to Veterinary Medicine (DVM), which further encouraged me to join this programme. The Major provides specialised training in molecular and cell biology and translating basic knowledge into industrial and medical applications, with research opportunities to work in animal labs, where the concept of biosecurity and animal husbandry were first introduced to me. I further explored my interest in the field by volunteering at vet clinics. These experiences fueled my desire to become a veterinarian, leading me to enroll in the DVM programme at The University of Melbourne.



Food and Nutritional Science

Regina WONG
BSc alumna (2025)
(major in Food and Nutritional Science and minors in Kinesiology and Japanese Language)

HKU's flexible curriculum gave me the freedom to explore my interests in my first year, allowing me to try out different introductory courses before deciding on my major. This helped me discover my passion for Food and Nutritional Science. The university also encourages students to pursue a second major or minor, so I chose Kinesiology, which complemented my major and offered hands-on lab experiences. Additionally, I fulfilled my dream of learning Japanese as a second minor. The diverse elective options and collaborative learning environment truly enriched my university experience and personal growth.



Mathematics

LI Shuangping
BSc alumna (2017)
(Major in Mathematics)
Assistant Professor at Yale University

HKU gave me my first opportunity to experience the world beyond. Through the exchange programme, I spent a semester in my third year at the University of California, Berkeley, where I engaged in reading courses and research projects and gained a glimpse of academic life in the US. That experience expanded my perspective both academically and culturally. It inspired me to apply for PhD programmes in the US. Looking back, HKU was not just where I studied; it was where I grew up intellectually. The faculty's kindness, the friendships I formed, and the intellectual atmosphere all played a critical role in shaping who I am today.



Science and Law

Angela LAM
BSc&LLB student
(major in Chemistry)

This programme is the first of its kind provided to students in Hong Kong. I was really excited when I found this programme and was really interested in its interdisciplinary courses. For Science, this programme offers me with chances to explore more about Chemistry, equivalent to a Bachelor of Science Student. For law, I could also apply for the Postgraduate Certificate in Laws (PCLL) upon completion of this programme, equivalent to a Bachelor of Laws student.



Environmental Science

Mark CHEUNG
BSc alumnus (2024)
(major in Environmental Science)
Sustainability Analyst at
Schneider Electric Sustainability Business

I am dedicated to addressing the climate crisis and promoting climate justice. The Environmental Science Major in the Bachelor of Science programme does not only give me the fundamental knowledge to fight climate change. Its interdisciplinary nature and interconnectedness of climate change across different areas offered me unique perspective and confidence to voice my opinions in international initiatives, such as being the leader of the first university student delegation from Hong Kong to attend the Conference of the Parties (COP27).



Physics

Brian CHAN
BSc Alumnus (2015)
(major in Physics and Astronomy)
Senior Director at FIT Consulting Hong Kong

My experience studying physics at HKU provided valuable research and mathematical skills that have been essential in my AI work. My scientific background provides me with the ability to bring rigour and precision to the business world, resulting in the development of better algorithms. Physics also taught me to tackle complex problems by breaking them down, a skill that one finds useful in all aspects of life. Science graduates are highly sought-after, especially if they also possess strong interpersonal and presentation skills.

Our students pursue further studies in a broad range of science and non-science disciplines at renowned institutions in

30.5% Graduates pursued further studies in 2023

Caltech

COLUMBIA UNIVERSITY
IN THE CITY OF NEW YORK

HARVARD
UNIVERSITY

ILLINOIS

MIT
Massachusetts
Institute of
Technology

McGill
UNIVERSITY

PRINCETON
UNIVERSITY

SLAC
NATIONAL
ACCELERATOR
LABORATORY

Stanford
University

Stony Brook
University

TEXAS
UNIVERSITY AT
AUSTIN

THE UNIVERSITY OF
CHICAGO

UCLA

UC San Diego

UNIVERSITY OF
MICHIGAN

UNIVERSITY OF
CAMBRIDGE

UNIVERSITY OF
OXFORD

Admissions Requirements

JUPAS Applicants

Minimum programme entrance requirements:

Key programmes

| | English Language | Chinese Language | Mathematics | Citizenship and Social Development | Elective Subjects: Category A subjects and Extended Module 1 or 2 in Mathematics (M1/M2) |
|---------------|------------------|------------------|-------------|------------------------------------|--|
| 6901 BSc | Level 3 | Level 3 | Level 2 | Attained | Level 3 in 2 subjects [^] |
| 6688 BSc&MRes | Level 3 | Level 3 | Level 4 | Attained | Level 3 in 2 Sciences [#] or Level 3 in 1 Science [#] & M1/M2 |
| 6858 BSc&LLB | Level 5 | Level 4 | Level 2 | Attained | Level 3 in 2 subjects [^] |

Other programmes

| | | | | | |
|------------------------------------|---------|---------|---------|----------|--|
| 6119 BEd&BSc | Level 3 | Level 3 | Level 2 | Attained | Level 3 in 2 subjects [^] |
| 6224 BAsc(AppliedAI) | Level 4 | Level 3 | Level 3 | Attained | Level 3 in 2 subjects ⁺ |
| 6248 BAsc(FinTech) | Level 4 | Level 3 | Level 3 | Attained | Level 3 in 2 subjects |
| 6729 BSc(ActuarSc) | Level 3 | Level 3 | Level 4 | Attained | Level 4 in M1/M2 Level 3 in 1 subject |
| 6779 Statistical Decision Sciences | Level 3 | Level 3 | Level 4 | Attained | Level 3 in 2 subjects |
| 6999 Computing and Data Science | Level 3 | Level 3 | Level 3 | Attained | Level 3 in 2 subjects ^y |

[^] One of the elective subjects must be a Science subject: Biology, Chemistry or Physics

[#] Science elective subjects: Biology, Chemistry or Physics

⁺ Level 3 or above in Mathematics Extended Part (Module 1 or 2) is preferred

^y Level 3 or above in one of the following subjects: Biology, Chemistry, Physics, Economics, or Information and Communication Technology; Level 3 or above in Mathematics Extended Part (Module 1 or 2) is preferred

Non-JUPAS Applicants

Students holding non-HKDSE qualifications are considered on an individual basis



HKU Undergraduate Admissions



BSc, BSc&MRes and BSc&LLB

Faculty of Science

HKU Science      

 www.scifac.hku.hk/prospective/ug

 3917-2683

 sci.ug.admission@hku.hk