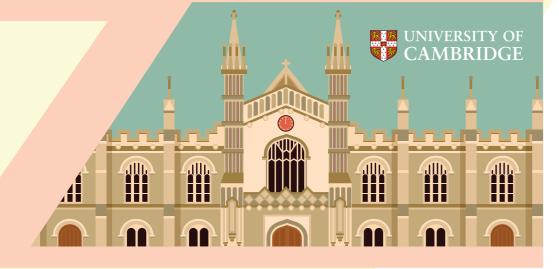


HKUer or Cantab?

SPECIAL FEATURE

HKU-Cambridge Undergraduate Recruitment Scheme (Natural Sciences) Cambridge-Track for Selected YSS Participants in Natural Sciences Disciplines

Why not BOTH?



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

Selected students can follow either of the paths below and attain degrees from both HKU & Cambridge in 4-5 years:



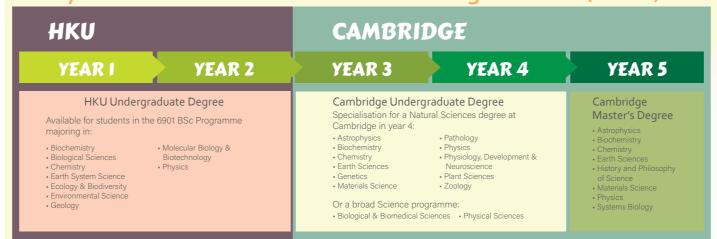
BSc(HKU) **BA**(Cantab) +MA(Cantab)*

THE TRACK

	ts will study a broad range of Science courses in order to best prepare themselves for their ies.	Students taking Master's degree at Cambridge	Students <i>NOT</i> taking Master's degree at Cambridge	Science in Cambridge pioneering in	
	4 Common Core Courses + 2 English language enhancement requirements + 1 Chinese language enhancement requirement	Master's degree at Cambridge taking Master degree at Cambridge 42 42 48 48 18 or 24 18 or 24 36 or 30 36 or 30 0 24 144 168 120 120 24 nil	42	the world: #1 Life Sciences (THE, 2020)	
CDEDITS	Disciplinary courses in the BSc Major	48	48	#3 Physical Sciences (THE, 2020)	
CREDITS SUMMARY	3-4 Mathematics courses to align with Cambridge#	18 or 24	18 or 24	#3	
AT HKU	Free electives#	36 or 30	36 or 30	Life Sciences & Medicine (QS, 2020)	
	Research internships	0	24	Earth & Marine Sciences (QS, 2020	
	Sub-total	144	168	#4 Natural Sciences (QS, 2020)	
CREDITS	2 Years of undergraduate study	120	120	#3	
TRANSFERRED FROM	1 Year of taught postgraduate study	24	nil	Chemistry (QS, 2020) #4	
CAMBRIDGE	Sub-total	144	120	Physics & Astronomy (QS, 2020)	
	Total				

Remarks: #The total number of credits of Mathematics courses plus free electives is 54.

Study Path for YSS Students in the Cambridge Scheme (2+2+1)



- 2. Students who do NOT opt for a Master's degree at Cambridge will take more research internships at HKU to fulfill the University's graduation requ
- 3. Students will pay HKU fees and Cambridge fees for their study at HKU and Cambridge, respectively

How to Enroll in the Cambridge-track

Requirements for JUPAS students:

JUPAS Band A applicants of 6901 BSc Programme will be invited to indicate their interest in the Cambridge-track by January 2021. Shortlisted applicants will be invited to an admissions test and an interview in May/June 2021.

Extended Modules 1 or 2 in Mathematics (M1/M2), and level 5 or above in English are required. Students who perform well in the interview and achieve a HKDSE score of 35 or above in their best 5 HKDSE subjects (Category A subjects, M1/M2 must be included)# will be placed on the track.

#The HKDSF 'level to score' conversion table

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

Requirements for non-JUPAS students:

Non-JUPAS applicants will be considered on a case-by-case basis. Higher level Mathematics is required for IB students. For GCEAL students, Mathematics and Further Mathematics are required. Excellent results in Mathematics are required for students with other qualifications. Selected applicants will be invited to enroll in YSS/Cambridge-track. No application is necessary.

Admissions of Students on the Cambridge-track to Cambridge

Students on the Track will be assessed by Cambridge academics in their first semester of study through admissions test and

After the interview, students selected will be given a conditional offer. They will study a broad range of Science courses in Year 1 and Year 2, to best equip themselves for their studies at Cambridge. Upon satisfying the requirements as stipulated in the conditional offer letter by the end of the student's second year of studies, he or she will be given a firm offer to study at Cambridge.

As the Cambridge-track is a competitive scheme for high calibre students with excellent academic credentials, it is expected that the number of students selected for each cohort will not normally exceed 60% of the YSS population.

qrgo.page.link/C8cec









Young Scientist Scheme (YSS)

for Outstanding Students in 6901 BSc

HKU-Cambridge Undergraduate Recruitment Scheme (Natural Sciences)

Cambridge-Track for Selected YSS Participants in Natural Sciences Disciplines





- Automatic for JUPAS students with best 5 HKDSE score 35 or above Selected Non-JUPAS students
- **Highlights** Summer Research Fellowship
 - Overseas Research Fellowship
 - International exchange, visiting or summer study
 - International scientific conference
 - Research mentor
 - Entrance scholarship
 - Stipends for research programmes

*The MA is conferred by right on holders of the BA degree at Cambridge upon application after certain years' seniority as members of Cambridge

What is Young Scientist Scheme (YSS) all about?

As a strong and research-oriented faculty, the Faculty of Science is committed to providing our students with the best science education and incubating future scientists. YSS provides outstanding students with ample early research experiences in 6901 BSc Programme.



Research Mentor

Summer Research

Students in YSS are guaranteed with:



Enrolment in our flagship **Summer Research** Fellowship (SRF) Scheme to conduct research under the supervision of our professors in the first summer



A further SRF or Overseas Research Fellowship (ORF) **Scheme** in a foreign institution in subsequent years



summer study Attendance in international scientific

conference on frontier research

International exchange, visiting or



Individual guidance from a research mentor from the start of the undergraduate study



Enrolment in our Frontiers of Science Honours Seminar to learn how our award-winning professors solve their research problems



Stipends for research programmes



An entrance scholarship ranging from HKD 20,000 to HKD 70,000#

For JUPAS students with a total score of 35 or above in their best 5 HKDSE subjects (Category A subjects/M1/M2). Scholarship for Non-JUPAS students are considered on a case-by-case basis



Internationa Exchange, Visiting or Summer Stud





A wide spectrum of scientific

Earth and Planetary Science

Ecology and Biodiversity

Mathematical and

Molecular and Cell Biology

Physics and Astronomy

research areas:



Examples of institutions for Overseas Research Fellowship

North America

- California Institute of Technology
- Columbia University

Final Year Project

nternational Conferenc

Frontier of Science

Honours Semina

- Cornell University
- Massachusetts Institute of Technology (MIT)
- Stanford University
- University of California at Berkeley
- University of California at Los Angeles

Europe

What our YSS research

The YSS provides a great opportunity

for undergraduate students to have hands-on

experience and training in research. Previous YSS

students have enjoyed working in my laboratory

on projects related to luminescence and molecular

functional materials. The YSS will enable students

to have first-hand and early experience in getting to

know what frontier research is all about, which will be

Professor Vivian W W YAM

Philip Wong Wilson Wong Professor in

Chemistry and Energy & Chair Professor, Department of Chemistry, HKU

extremely rewarding to them for the years

to come.

• CERN

mentor says:

- University of Cambridge
- University College London

Examples of universities for international exchange, visiting or summer study

North America

- University of California
- University of Chicago
- Columbia University
- Johns Hopkins University
- Stanford University
- Yale University

Europe

- University of Cambridge
- Imperial College London
- King's College London

University of Oxford

How to join YSS:

JUPAS students admitted to 6901 BSc programme with a total score of 35 or above in their best 5 HKDSE subjects (Category A subjects / M1 / M2) are automatically accepted to YSS. No interview is required.

The HKDSE 'level to score'

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

Selected Non-JUPAS applicants will be invited to enrol in YSS. No application is necessary.

17 YSS participants have gone on overseas exchange study at world-class institutes in the academic year 2019–20.

Eye-opening Exchange Study Opportunities

I was very fortunate to join the full-year Yale Visiting International Student Programme via the Young Scientist Scheme.

Yale, as a world-class institution, provided numerous academic and non-academic opportunities and challenges. My learning experience at HKU and of the constant support from the Faculty equipped me and encouraged me to continuously push myself outside my comfort zone. I took non-science courses out of pure interest, talked with people from diverse cultural backgrounds, and participated in sports and e<mark>vents that I never thought about</mark> joining before.

Every new decision I made prompted me to understand myself deeper, and every piece of new information I learnt enabled me to build my future better.

> Lily Zhiyi LI Year 3 BSc student (Double major in Statistics & Finance Visiting student at Yale University in 2019-20

me to be independent enough to tackle obstacles.

Year 4 BSc student (Major in Mathematics and minor in Physics) Exchange study at the Australian National University (ANU) in 2019-20

Through YSS, I went to ANU for a semester exchange. It was a genuinely unusual

Everything switched to online in the middle of the semester and that indeed incurred more unforeseeable challenges, including drastic change in assessment methods. Being alone overseas drove

Despite the challenging situation, I still got to meet people from all around the world, to learn about different cultures and to experience a variety of teaching styles. I was able to walk around to appreciate the scenery and the wildlife of the city. Canberra is a beautiful place, and I would like to visit Australia again.

Engaging in Research Early

The SRF scheme was a delightful experience to me. Although there were some difficulties encountered, it helped me appreciate and get to know how research is conducted.

I realised that research is not merely in the lab; a lot of reading has to be done outside the lab. Problems may appear unexpectedly during research – experimental procedures and results may not always go the way as it was planned or hypothesised. It is therefore essential to learn to adapt to these problems and look for possible explanations, and to seek for improvement in

I was also glad to meet very kind and helpful people in the lab, to acquire technical and time-management skills, making the experience amazing.

By having spent more than two months in the lab, I found that I enjoy working in the lab, and that pursuing research in the future is something I would highly consider. The experience helped me to explore more possibilities of my future.



Year 4 BSc student (Major in Food & Nutritional Science and minor in Molecular Biology & Biotechnolog Summer Research Fellowship (SRF) participant in School of Biological Sciences









www.scifac.hku.hk/ science@hku.hk