

HKUer or Cantab?

SPECIAL FEATURE

HKU-Cambridge Undergraduate Recruitment Scheme (Natural Sciences)

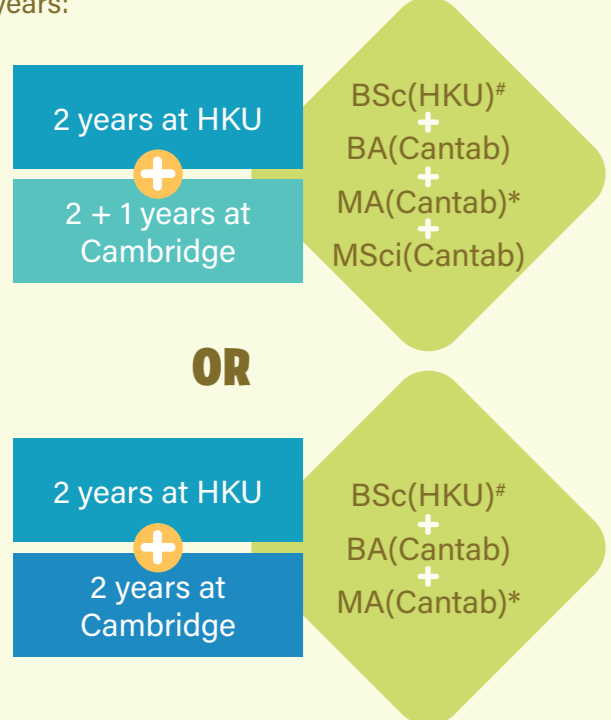
Cambridge-Track for Selected YSS Participants in Natural Sciences Disciplines



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:



#Regular major will be listed on transcript when conferring BSc(HKU) to 6688 students.
*The MA is conferred by right on holders of the BA degree at Cambridge, upon application after certain years' seniority as members of Cambridge.

THE TRACK

- A joint recruitment scheme that allows selected YSS students to pursue studies in two renowned universities
- Allows students to study abroad and experience life and culture overseas
- Nurtures future science professionals to develop innovative solutions for global challenges
- Ample learning opportunities in YSS:
 - Summer Research Fellowship
 - Overseas Research Fellowship
 - International scientific conference
 - Guidance by research mentor

Curriculum

Selected students will study a broad range of Science courses in Years 1 and 2, in order to best prepare themselves for their Cambridge studies.

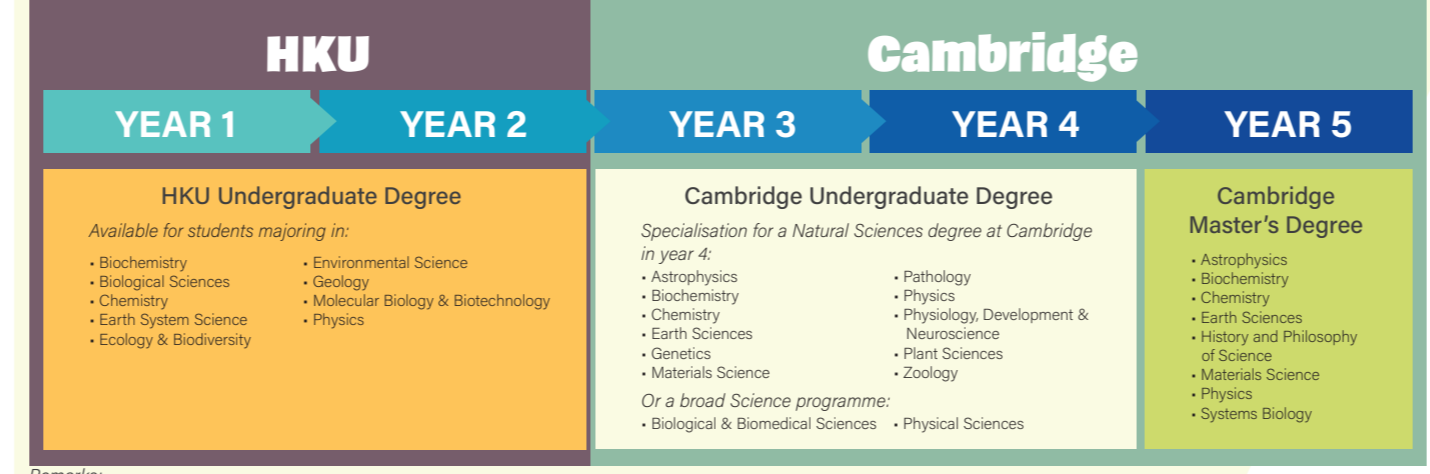
	Students taking Master's degree at Cambridge	Students NOT taking Master's degree at Cambridge
CREDITS SUMMARY AT HKU	4 Common Core Courses + 2 English language enhancement requirements + 1 Chinese language enhancement requirement	42
	Disciplinary courses in the BSc Major	48
	3-4 Mathematics courses to align with Cambridge*	18 or 24
	Free electives*	36 or 30
	Research internships	0
Sub-total	144	168
CREDITS TRANSFERRED FROM CAMBRIDGE	2 Years of undergraduate study	120
	1 Year of taught postgraduate study	24
	Sub-total	144
Total	288	288

*The total number of credits of Mathematics courses plus free electives is 54

Science in Cambridge pioneering in the world:

- #2 Life Sciences (THE, 2023)
- #7 Physical Sciences (THE, 2023)
- #6 Life Sciences & Medicine (QS, 2023)
- #6 Earth & Marine Sciences (QS, 2023)
- #3 Natural Sciences (QS, 2023)
- #3 Chemistry (QS, 2023)
- #5 Physics & Astronomy (QS, 2023)

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



Remarks:
1. Students will study 3 science subjects in Year 3 to get prepared for the specialisation in Year 4.
2. Students who do NOT opt for a Master's degree at Cambridge will take extra research internships at HKU to fulfill the University's graduation requirements.
3. Students will pay HKU fees and Cambridge fees for their study at HKU and Cambridge, respectively.

How to Enroll in the Cambridge-track*

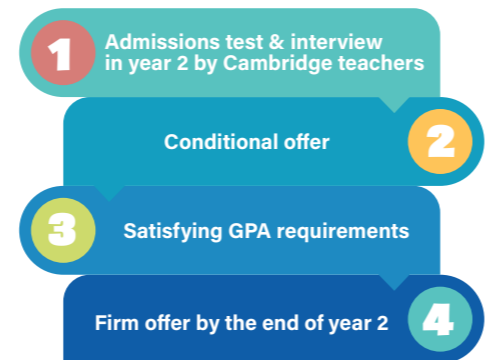
Requirements for JUPAS students:
JUPAS Band A applicants of 6901 Bachelor of Science and 6688 Science Master Class Programmes will be invited to indicate their interest in the Cambridge-track by January 2024. Shortlisted applicants will be invited to an admissions test and an interview after HKDSE.
Extended Modules 1 or 2 in Mathematics (M1/M2), and level 5 or above in English are required. Students who perform well in the admissions test and 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 HKDSE 'level to score' conversion table:

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

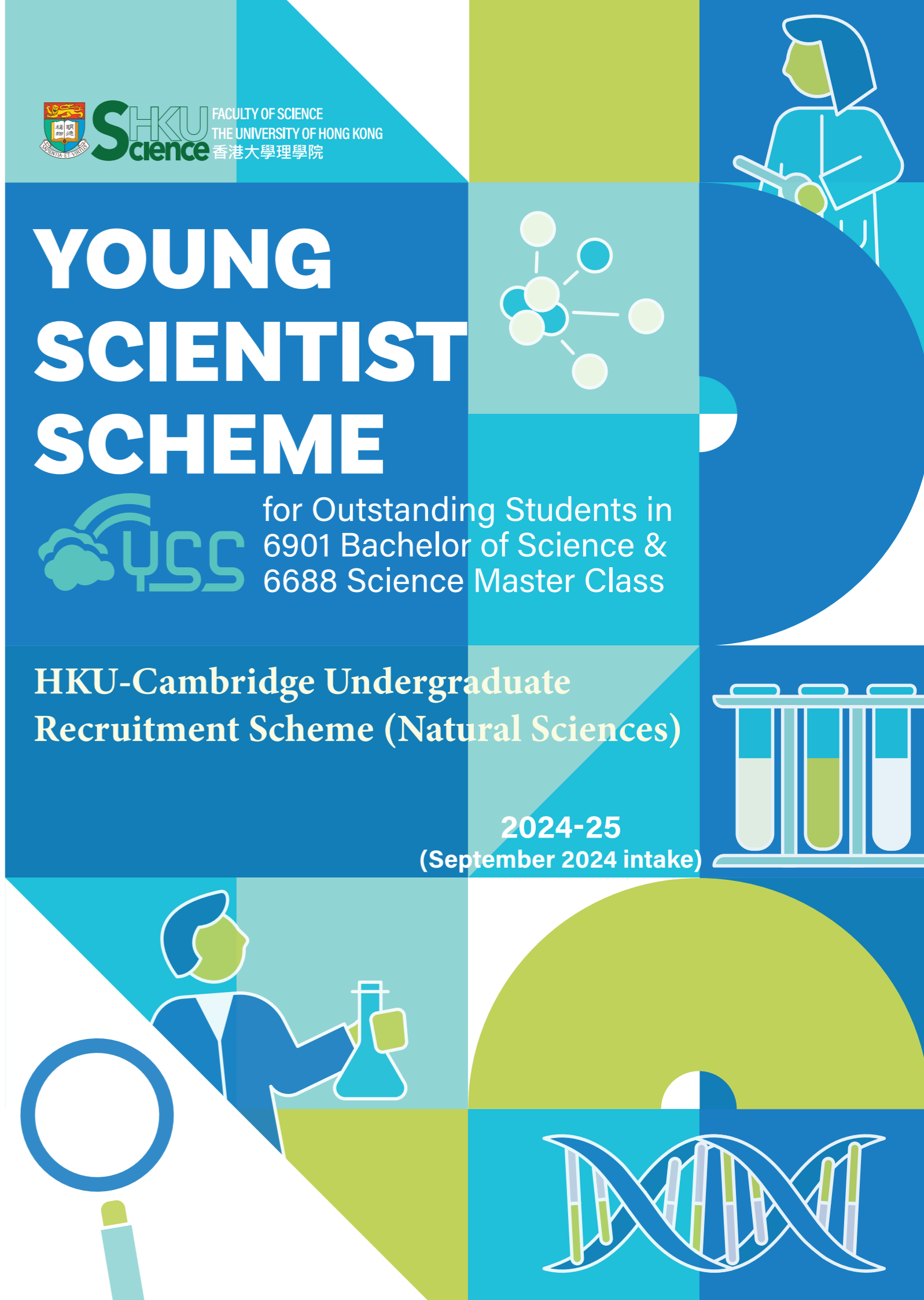


Cambridge-track at YSS



Natural Sciences Tripos at Cambridge

*Number of students selected for each cohort normally will not exceed 60% of YSS population.



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

YOUNG SCIENTIST SCHEME

for Outstanding Students in 6901 Bachelor of Science & 6688 Science Master Class

HKU-Cambridge Undergraduate Recruitment Scheme (Natural Sciences)

2024-25 (September 2024 intake)

What is Young Scientist Scheme (YSS) all about?

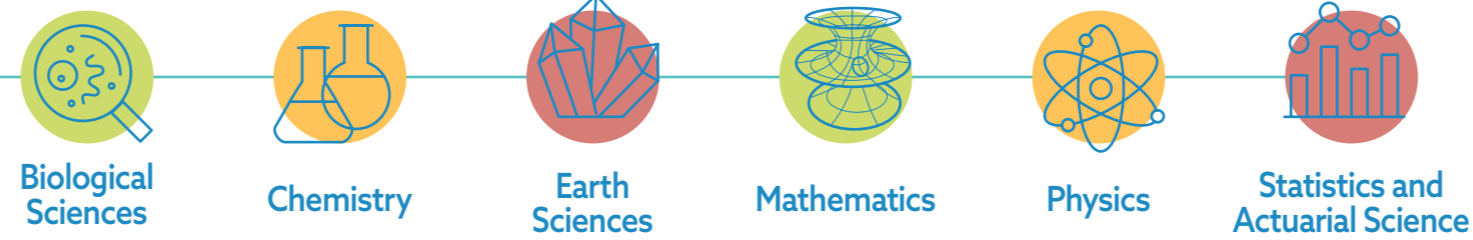
As a strong and research-oriented Faculty, the Faculty of Science is committed to providing our students with the best science education and incubating future scientists. YSS provides outstanding students with ample early research experiences in 6901 Bachelor of Science and 6688 Science Master Class programmes.

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

*Scholarship for Non-JUPAS students are considered on a case-by-case basis.

A wide spectrum of scientific research areas:



Examples of institutions for Overseas Research Fellowship

North America

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

Europe

- CERN
- University of Cambridge
- University College London

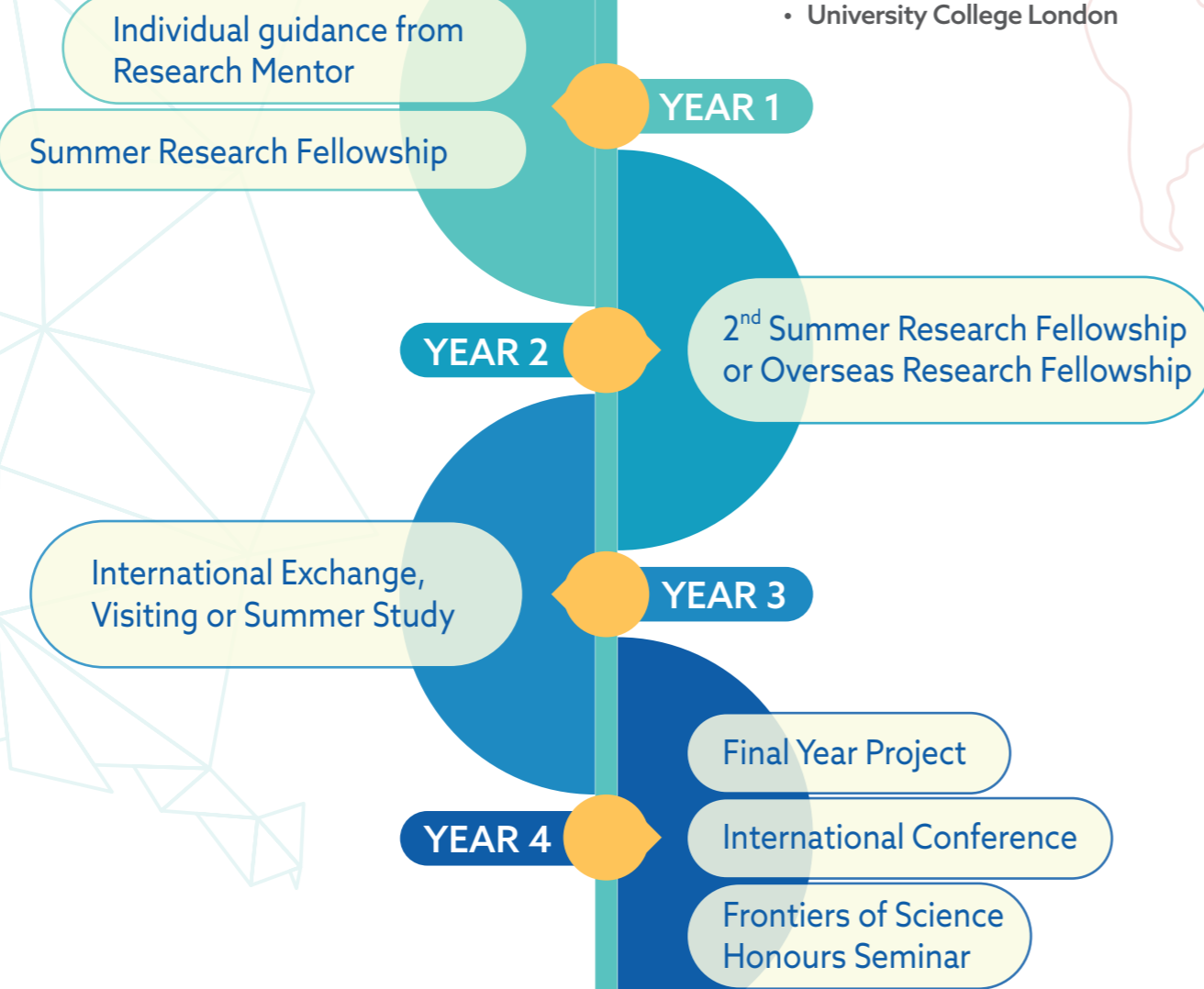
Examples of universities for international exchange, visiting or summer study

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



What our YSS research mentor says:

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 extremely rewarding to them for the years to come.



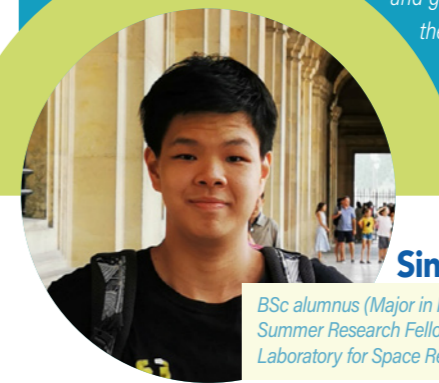
Professor Vivian W W YAM
Philip Wong Wilson Wong Professor in Chemistry and Energy, Faculty of Science, HKU

Engaging in Research Early

As a student enthusiastic about pursuing academic research, I benefitted significantly from participating in the Summer Research Fellowship Scheme (SRF), via which I worked at LSR on a topic related to observational Astronomy – so called Planetary Nebula. The research experiences greatly enhanced my problem-solving skills and my theoretical knowledge.

Conducting actual research required the ability to integrate multi-disciplinary knowledge such as programming, and to tackle real-life science problems. The beauty of an early research experience was that it encouraged students to explore their interests and learn actively out of classrooms.

All in all, SRF definitely strengthened my determination to pursue academic research in my later studies as well as reinvigorating my curiosity in Physics – the study from the fundamental building blocks of the universe, to the gigantic stars and galaxies we see upon the sky.



Felicianna

BSc alumna (Major in Food & Nutritional Science and minor in Molecular Biology & Biotechnology)
Summer Research Fellowship (SRF) participant in School of Biological Sciences

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 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 future experiments.

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.

Eye-opening Exchange Study Opportunities

Lily Li

BSc alumna (Double major in Statistics & Finance)
Visiting student at Yale University in 2019-20



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 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 events that I never thought about 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.

How to join YSS:

JUPAS students admitted to 6901 Bachelor of Science programme with a total score of 35 or above in their best 5 HKDSE subjects (Category A subjects/M1/M2), and 6688 Science Master Class programme are automatically accepted to YSS. No interview is required.

The HKDSE 'level to score'

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

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