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.

- **English Core Courses**: 4 English-language core courses in Years 1 and 2.
- **Disciplinary courses in the 8th Major**: 56 or 64.
- **M1 Mathematics course to align with Cambridge**: 16 or 24.
- **Free elective**: 16 or 20.
- **Free elective**: 16 or 20.

Sub-total: 144 or 168.

- 2 Years of undergraduate study: 180 or 200.
- 1 Year of graduate/postgraduate study: 72 or 84.

Sub-total: 252 or 252.

*(Maximum number of credits in Mathematics courses plus free electives is 56.)*

### THE TRACK

**HKU**
- **YEAR 1**: Available for students majoring in:
  - • Biology & Biochemistry
  - • Chemistry
  - • Earth System Science
  - • Zoology & Evolutionary Biology
  - • Environmental Science
  - • History and Philosophy
  - • History of Science
  - • Systems Biology
  - • Plant Sciences
  - • Neuroscience
  - • Physiology, Development & Neurobiology
  - • Physics
  - • Mathematical & Systems Biology
  - • Physical Sciences
  - • Earth Sciences
  - • Biochemistry
  - • Bioinformatics
  - • Astrophysics
  - • Genetics
  - • Neurobiology

**YEAR 2**: Sub-total: 36 or 40.

**YEAR 3**: Sub-total: 36 or 40.

**YEAR 4**: Sub-total: 36 or 40.

**YEAR 5**: Sub-total: 36 or 40.

**Cambridge**

- **YEAR 1**: Cambridge Master’s Degree.
- **YEAR 2**: Cambridge Master’s Degree.
- **YEAR 3**: Cambridge Master’s Degree.
- **YEAR 4**: Cambridge Master’s Degree.
- **YEAR 5**: Cambridge Master’s Degree.

**Research Internships at HKU and Cambridge**

- **HKU**
  - **YEAR 1**: 18 or 24.
  - **YEAR 2**: 18 or 24.
  - **YEAR 3**: 18 or 24.
  - **YEAR 4**: 18 or 24.

- **Cambridge**
  - **YEAR 1**: 18 or 24.
  - **YEAR 2**: 18 or 24.

Sub-total: 144 or 168.

- **Free Electives**: 72 or 84.

Sub-total: 252 or 252.

### Summary

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### Admissions

- **Admissions Test & Interview**
  - Subject test: Mathematics, Physics, Chemistry, Biology.
  - Language test: English.

- **Satisfying GPA Requirements**
  - HKU: 3.3 or above.
  - Cambridge: 3.3 or above.

- **Offer**
  - Conditional offer by the end of year 2.

- **Number of students selected for each cohort**
  - Not more than 40% of the population.

- **Remarks**
  - Students must ensure their Cambridge studies meet the minimum requirements specified by Cambridge.

- **How to Enroll**
  - **JUPAS**
    - **JUPAS Band A applicants** of 6901 Bachelor of Science and 6688 Science Master’s Degree at HKU.
  - **Non-JUPAS**
    - **Students with other qualifications** will be considered on a case-by-case basis.

### Requirements for non-JUPAS students:

- **Mathematics** is required for all students.
- Students are required to have Mathematics and Further Mathematics at GCSE A*/A level or equivalent.
- Students are required to have Mathematics and Further Mathematics at A level or equivalent.
- Students are required to have Mathematics and Further Mathematics at IB level or equivalent.

### For Outstanding Students in 6901 Bachelor of Science & 6688 Science Master Class

### Contact Information

- **Admissions Office**
  - **Email**: admissions@science.hku.hk
  - **Website**: science.hku.hk

### Contact Information

- **JUPAS Band A applicants** of 6901 Bachelor of Science and 6688 Science Master’s Degree at HKU.

### Contact Information

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

### Contact Information

- **Students with other qualifications** will be considered on a case-by-case basis.

### Contact Information

- **Students with other qualifications** will be considered on a case-by-case basis.
Students in YSS are guaranteed with:

- Enrolment in our flagship Summer Research Fellowship (SRF) Scheme to conduct research under the guidance of our professors in the first summer.
- Individual guidance from a research mentor from the start of the undergraduate study.
- An extrinsic scholarship ranging from HKD 20,000 to HKD 70,000.

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

Guidance from Research Mentor

Summer Research Fellowship

International, exchange, visiting or summer study

YEAR 1

YEAR 2

YEAR 3

YEAR 4

Final Year Project

International Conference

Frontiers of Science Hipsorium Seminar

A wide spectrum of scientific research areas:

- Biological Sciences
- Chemistry
- Earth Sciences
- Mathematics
- Physics
- Statistics and Actuarial Science

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:
- CEIB
- University of Cambridge
- Imperial College London
- King’s College London
- University of Oxford

Examples of universities for international exchange, visiting or summer study

North America:
- University of California
- University of Chicago
- Johns Hopkins University
- Columbia University
- University of California at Los Angeles

Europe:
- University of Cambridge
- Imperial College London
- King’s College London
- University of Oxford

Eye-opening Exchange Study Opportunities

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

- Simba ZOU
  BSc student (Major in Physics (Intensive))
  Laboratory for Space Research (LSR)

- FELICIANNA
  BSc alumna (Double major in Physics & Chemistry)
  Visiting student at Yale University in 2019-20

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 for their future careers."

How to join YSS:

- JUPAS students admitted to 6901 Bachelor of Science programme with a total score of 35 or above in the following subjects:
  - Module 1 or Module 2 of Mathematics
  - 5 HKDSE subjects (Category A subjects/M1/M2), and
  - 5 JUPAS subject scores (Category A subjects/M1-M2)

- 6901 Science Master Class programme is automatically accepted to YSS. No interview is required.

Contact Information:

Dean (Interim), Philip Wong Wilson Wong Professor in Chemistry and Energy,
Faculty of Science, HKU
Email: science@hku.hk
Website: www.scifac.hku.hk