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

**Why not CAMBRIDGE-CREDITS?**
- International scientific conference
- Summer Research Fellowship
- Master’s Degree at Cambridge
- Enhanced exposure to research opportunities
- Recognition of academic excellence
- Development of international connections
- Networking with world-renowned scientists

**Recruitment Scheme (Natural Sciences)**
- **HKU-Cambridge Undergraduate BSc(HKU)**
- **Top-up at Cambridge: BA(HKU)**
- **Top-up at Cambridge: MA(Cantab)**

**How to Enroll in the Cambridge-track**

**Requirements for HKU students:**
- Applicants will be considered on a case-by-case basis.
- Higher level Mathematics courses required for all students.
- Additional courses will be offered for students with other qualifications.

**Students will be invited to apply for a Cambridge-track**

**Admissions of Students on the Cambridge-track to Cambridge**
- Conditional offer
- Satisfying the requirements
- Final offer by the end of Year 4

**For YSS students:**
- Automatic for JUPAS 6901 Bachelor of Science & 6688 Science Master Class students
- Selected Non-JUPAS students

**Highlights:**
- Summer Research Fellowship
- Overseas Research Fellowship
- International exchange, visiting or summer study
- International scientific conference
- Research mentor
- Triggers: "..." possible
- Stipends for research programs

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

**Young Scientist Scheme (YSS) for Outstanding Students in 6901 Bachelor of Science & 6688 Science Master Class**

HKU-Cambridge Undergraduate Recruitment Scheme (Natural Sciences)
**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 to learn how our award-winning professors in 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. The experience helped me to explore more possibilities of my future.

The YSS scheme was a delightful experience to me. Although there were some difficulties encountered, it helped me appreciate and grow to love 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 to improve or find alternative ways.

**Engaging in Research Early**

Eye-opening Exchange Study Opportunities

Simha Sindhu
Summer Research Fellowship participant in Laboratory for Space Research (LSR) of the Department of Physics

**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 M1M2), and 6888 Science Master Class programme are automatically accepted to YSS. No interview is required.

The HKDSE “level to score”

<table>
<thead>
<tr>
<th>Category A Core and Elective Subjects and Extended Module 1 or Module 2 of Mathematics</th>
<th>Level</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Score</td>
<td>8.5</td>
<td>7.5</td>
<td>6.5</td>
<td>5.5</td>
<td>4.5</td>
<td>3.5</td>
<td>2.5</td>
</tr>
</tbody>
</table>

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

**Examples of universities for international exchange, visiting or summer study**

- **North America**
  - University of California
  - 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
- **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

**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

**What is our YSS research mentor says:**

Professor Y W YAM
Dean of Faculty of Science
Faculty of Science, HKU

**Simha Sindhu**
Summer Research Fellowship participant in Laboratory for Space Research (LSR) of the Department of Physics

**Engaging in Research Early**

As a student enthusiastic about pursuing academic research, I benefited significantly from participating in the Summer Research Fellowship programme (SRF), which was tailored for students with a keen interest in scientific research. This programme provided us with the opportunity to work closely with experienced researchers and gain hands-on experience in conducting scientific experiments. The SRF scheme was a delightful experience to me. Although there were some difficulties encountered, it helped me appreciate and grow to love 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 to improve or find alternative ways.

**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 Yale was greatly augmented by workshops offered at the campus. The faculty engaged 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 experience I made prompted me to understand myself deeper, and every piece of new information I learnt enabled me to build my future better.