

Programme Code:  
JS1200 (JUPAS)/ 1200 (Non-JUPAS)



Programme  
information



## Global Research Enrichment and Technopreneurship (GREAT)

[Majors: BSc Chemistry / BSc Computing Mathematics / BSc Physics + Global Research Enrichment and Technopreneurship (GREAT)]

**For elite students who aspire to  
change the world through science**

Prepared to be introduced to the new world of scientific discoveries and innovative technologies. Students of this Flagship Programme will study a tailored common first-year curriculum under the College of Science. After one year of study, they can freely choose their specialised GREAT streams offered by the Departments of Chemistry, Mathematics and Physics:

- Bachelor of Science in Chemistry (GREAT stream)
- Bachelor of Science in Computing Mathematics (GREAT stream)
- Bachelor of Science in Physics (GREAT stream)

### Highlighted Features:

- **Inquiry-based** and **research-driven** learning
- **Mentorship** by world-renowned professors
- Integrating curriculum with **entrepreneurship** and **business planning**
- **Connection** with industrialists
- **Overseas** academic and research **exchange**
- **Research internship** at **world-renowned universities**
- **Internship** at technological start-ups
- **Guaranteed admission** to the respective PhD programme in Science (upon attainment of entrance requirements)



GREAT students who are eager to start their entrepreneurship journey are highly encouraged to sign up for **HK Tech 300**, a large-scale flagship innovation and entrepreneurship programme organised by CityUHK. Upon successful enrolment, all eligible participants will be sponsored for an 8-week training programme to learn how to kick start their entrepreneurial journey from scratch, develop a business plan and deliver a pitch. Seed funds, angel funds, and external funds (up to HK \$100,000, HK\$1 million and HK\$10 million, respectively) will also be made available to potential start-ups.

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[www.cityu.edu.hk/csci](http://www.cityu.edu.hk/csci)

## Admission Requirements

For admission to Bachelor's degree programmes at the University, applicants must meet the General Entrance Requirements AND programme-specific entrance requirements. The levels indicated are the minimum acceptable but possession of these qualifications in no way guarantees acceptance.



### Programme-specific Entrance Requirements (with weightings applied)

English Language	Chinese Language	Mathematics	Citizenship & Social Development	Electives 1 & 2
Level 3 (Weighting: 2)	Level 3 (Weighting: 1)	Level 2 (Weighting: 2.5)	Attained	Level 3 in two electives from: <ul style="list-style-type: none"> <li>▪ Biology</li> <li>▪ Chemistry</li> <li>▪ Economics</li> <li>▪ M1/M2</li> <li>▪ Physics</li> </ul> (Weighting: 2.5)

For more information on admission requirements and entrance scholarships, please visit the Admissions Office's website at <https://www.cityu.edu.hk/admo>.

## Study Plan:

	Year 1	Year 2	Year 3	Year 4
<b>Study Plan</b>	Tailor-made common first-year curriculum + Research Planning	Major courses + Independent scientific research		
<b>Add-on</b>	Academic advising & mentorship	<ul style="list-style-type: none"> <li>• Academic advising &amp; mentorship</li> <li>• Mentorship from industry elite</li> </ul>		
		<ul style="list-style-type: none"> <li>• Local internship in research institutes/technical startups in Summer Term</li> </ul>	<ul style="list-style-type: none"> <li>• Overseas internship in research institutes/technical startups in Summer Term</li> </ul>	<ul style="list-style-type: none"> <li>• International academic exchange in Semester A or B</li> </ul>

## Scholarships

The University offers various types of entrance scholarship for outstanding students enrolled in GREAT programme:

- Flagship Scholarships
- CityUHK Scholarships for Hong Kong Talents
- Mr. and Mrs. Chan Kwok Kang Memorial Scholarship

## Student Sharings

I am grateful for being nominated for a half-year internship at Cambridge University where I have gained practical skills for research in condensed matter physics. Under the guidance of my supervisors at Cambridge University, I have not only acquired hands-on experimental skills but also learned the importance of developing an intuitive understanding of the subject.

The GREAT programme has not only broadened my scientific knowledge but also provided me with a strong foundation in business and entrepreneurship. My time at Cambridge University has been a pivotal chapter in my life and career, and I am excited to see what I can achieve with the knowledge and experience gained here.

*HO King Yin, Issac, BSc in Physics (GREAT Stream), Cohort 2021*

The GREAT programme provides me with a wide variety of learning opportunities. This time, I am able to undertake the co-operative educational scheme for science students, working on a research project at the University of Oxford. Seizing this chance, I have actively tested out my hypotheses related to the research topic through experiments, acquiring a magnificent amount of knowledge. The knowledge, skills, and most importantly, the attitudes I developed here have shaped me into a more mature researcher.

The GREAT programme has offering me a treasurable opportunity to pave my way to academic success and nurture of a well-rounded self. My experience at University of Oxford is unquestionably full of life breakthroughs, and navigated me not only to become an entrepreneur, but also a well-rounded elite capable of leading the community.

*LAM Ka Yin, Tasha, BSc in Chemistry (GREAT Stream), Cohort 2022*

