



Create Your Unique Colour of Science



**SHKU**  
**Science**

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

***Learn from the Best Minds***

***Be Inspired by our Science Masters***

港大開設「6688科研專才啟導課程」培育菁英  
取得學士及碩士兩個學位

*Incubating the next generation of scientists*



**NEW 6688 SCIENCE MASTER CLASS**

*Double Degree Programme of Bachelor of Science & Master of Research*

SCIENCE CREATES KNOWLEDGE



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# Why this programme?

“

*Learning from our Grand Masters and Masters, our top scholars who have exceptional accomplishments in their research areas, will definitely help our students broaden their horizon and establish personal network, facilitating their pursuit of research career in the future.*

課程安排同學向成就非凡的『科研大師』和『科研導師』學習，好讓他們了解科學家的思維、經驗和心路歷程及建立個人網絡，為將來投身科研做好準備。

**Professor Matthew Evans**

Dean of Science and Professor of Ecology

理學院院長艾宏思教授

”

# High University Rankings 香港大學的世界排名

QS Asia University  
Rankings 2020  
QS世界大學排名

#3

QS World University  
Rankings 2021  
QS亞洲大學排名

#22

QS World Graduate  
Employability  
Rankings 2020  
QS世界畢業生  
就業能力排名

#9



#4

THE Asia University  
Rankings 2020  
泰晤士高等教育  
亞洲大學排名

#39

THE World  
University  
Rankings 2021  
泰晤士高等教育  
世界大學排名

#2

THE Most International  
University  
in the World in 2020  
泰晤士高等教育  
最國際化大學排名



# Top-notch Scholars理學院頂尖科學學者

## ★☆☆ Awards and Achievements of our academics學者獎項及成就:

Fellow of the  
European  
Academy of  
Sciences

First-class Prize of  
the Natural Science  
Award from the  
Ministry of  
Education, China

L'Oréal-UNESCO For  
Women in Science  
Awards (Asia-Pacific  
Laureate)

Fellow of  
American  
Mathematical  
Society, USA

Ludwig Mond  
Award by the  
Royal Society of  
Chemistry, UK

Member of  
Hong Kong  
Academy of  
Sciences

Fellow of  
Institute of  
Mathematical  
Statistics

(Clarivate Analytics' Essential  
Science Indicators 2020)

**16.5%** 教授屬「2020年  
全球被徵引率最高的1%學者」

領導**5項**卓越學科領域項目  
[Areas of Excellence  
(AoE) projects]

獲**Health@InnoHK**和  
**AIR@InnoHK** 創新平台  
巨額資助研究項目

Attracted significant research funds  
via the following programmes in  
2015-19:

**Health@InnoHK programme**  
~ HK\$500,000,000

**AIR@InnoHK programme**  
~ HK\$500,000,000

Cumulative numbers of:

**4位中國科學院院士**  
[4 Chinese Academy of Sciences  
(CAS)]

**5位外國科學院外籍院士**  
[5 Fellows of foreign  
academicians]

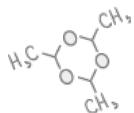


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# Fast track for completing 2 degrees

## 雙學位課程



備註：修讀同學成績須達指定CGPA，未能符合要求者將轉讀6901理學士課程

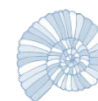
Unleashes the  
**research potential** for  
science-inclined  
students

讓對科研有興趣的  
精英學生於研究範  
疇中盡展學術潛能



Immerses research-aspired  
students to an **authentic  
research environment** and  
**facilitates learning from  
Masters**

讓有志從事科研的學生  
師承頂尖科學家，浸淫  
於現實的研究環境中

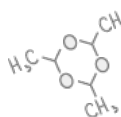


Equips students with the  
ability to translate scientific  
knowledge into **practical  
applications** with far- and  
wide-reaching impacts

培育新一代的科研人員將  
創新科學知識，轉化成具  
廣泛而影響深遠的研究和  
應用



# Features of Science Master Class



## 「科研專才啟導課程」特色



### 6688科研專才啟導課程特色

包含理學士及研究碩士兩個學位

理學士



研究碩士

向頂尖科學家學習



科研大師  
特別指導



科研導師  
擔任學術導師

配合精英學生的學習需要



為有志從事  
科研的學生  
提供以學科  
為本的精研  
學習



透過「本科生科研培育計劃」  
得到以下機會：

- 暑期研究實習
- 海外研究實習
- 交流學習
- 入學獎學金
- 港大-劍橋大學本科招生計劃(自然科學)\*

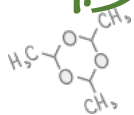
\* 只適用於自然科學領域的主修科  
· 如獲劍橋大學成功取錄者，將轉隨該計劃的就學路徑

科研導向



獨設特別課程以提升學生的科學方法運用和研究技巧

# Study Path 修讀進程



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# Where this programme will lead you to



## Professional recognition 專業認證



**Biological Sciences (Intensive )**

生物科學 (精研)



**Ecology & Biodiversity Major (Intensive)**

生態學及生物多樣性 (精研)



**Molecular Biology & Biotechnology Major (Intensive)**

分子生物學及生物科技 (精研)



Royal Society of  
**Biology**

Accredited Degree



**Chemistry Major (Intensive)**

化學 (精研)

ROYAL SOCIETY  
OF **CHEMISTRY**

Accredited  
degree



The Geological Society  
*Accredited programme*



**Geology Major (Intensive)**

地質學 (精研)





## Career & network

### 事業發展及人際網絡

01

Nurtures students to **pursue research** in science  
培育有志於科研的學生



02

Fully equips the students for **further graduate studies**  
充分裝備學生於畢業後繼續進修



03

**Builds a consortium** for:  
cross fertilisation of innovative ideas and facilitates multidisciplinary projects  
促進創新概念交流



## Transferable skills

### 可轉移技巧

04

Provides students with **extensive subject knowledge** and **specialised training**  
為學生提供廣泛學科知識及專科訓練



05

**Nurtures a scientifically literate population** to formulate solutions for challenges  
為研究上的挑戰尋求解決方案



# Who should join this programme

## Students who would like to 適合以下學生:

be the **future  
masters** of science

有志成為科研專才  
之學生

go onto  
**higher degrees**  
either in HKU  
or elsewhere  
有志於港大或其他  
學府取得更高學位的  
學生

obtain a diversity of experience by  
**learning from Science Masters**

希望隨學院頂尖科學家學習，  
從而得到不同範疇的經驗知識

conduct  
**research**  
during their  
undergraduate  
studies  
有意在本科課程  
中進行科學研究的  
學生

take courses  
across  
different  
science  
disciplines

欲進行跨學科  
學習的學生

**Complete 2 degrees**  
at an accelerated  
pace

有能力完成兩學位的  
學生

# Your programme experts

Renowned scientists of considerable prestige as our Masters, including:  
理學院有不少聲譽卓著的傑出科學家:

Members of

- Chinese Academy of Sciences  
中國科學院院士
- Hong Kong Academy of Sciences  
香港科學院院士
- Hong Kong's Young Academy of Sciences  
香港青年科學院院士

Awardees of

State Natural Science Awards  
國家自然科學獎得獎者

Highly cited scientists

「全球被徵引率最高的1%學者」

- Awardees of prestigious and international awards/ prizes  
國際知名獎項得主
- International Members of National Academy of Sciences USA  
美國國家學院國際外籍院士
- Foreign Member of Academia Europaea  
歐洲科學院外籍院士



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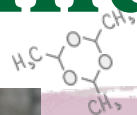
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# Grand Masters



**Prof. Chi Ming CHE**  
支志明教授

Zhou Guangzhao Professor in Natural Sciences, Head and Chair Professor of Chemistry



A<sup>++</sup>



**Prof. Min SUN**  
孫敏教授

Professor of Department of Earth Sciences



**Prof. Wang YAO**  
姚望教授

Chair Professor of Physics



**Prof. Ngai Ming MOK**  
莫毅明教授

Edmund and Peggy Tse Professor of Mathematics, Director of Institute of Mathematical Research, and Chair Professor of Mathematics



**Prof. Alice WONG**  
黃思齊教授

Associate Dean of Science (Teaching & Learning), and Professor of School of Biological Sciences



**Prof. Guochun ZHAO**  
趙國春教授

Chair Professor of Earth Sciences



**Prof. Michael NG**  
吳國寶教授

Director of Research Division for Mathematical and Statistical Science, and Chair Professor of Mathematics



**Prof. Vivian YAM**  
任詠華教授

Philip Wong Wilson Wong Professor in Chemistry and Energy, and Chair Professor of Chemistry







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# Diverse Learning Experiences 多元化學習體驗

Undergraduate Research Experiences 本科生科研

Field trips 野外考察

International Exchange  
Studies 海外交流學習

Internships 實習



# Undergraduate Research Experiences 本科生科研

- Overseas Research Fellowship (ORF):

**Examples:**

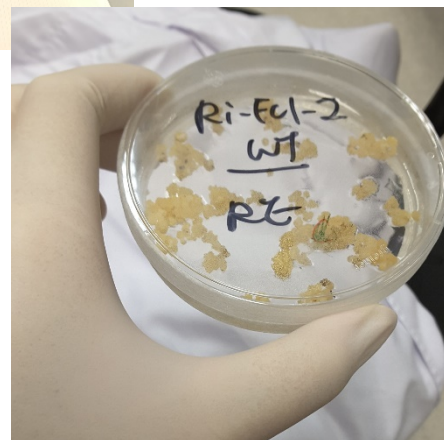
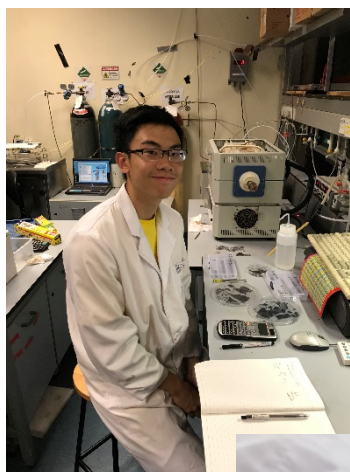
North America

- California Institute of Technology
- Columbia University
- Cornell University
- MIT
- Stanford University
- University of California

Europe

- CERN
- University of Cambridge
- University College London

- Summer Research Fellowship (SRF)
- Undergraduate Research Colloquium
- Final-year projects
- Directed studies



## Field Trips 野外考察



Provide students with hands-on learning experience outside classroom



Examples of field trip destinations:

- Australia
- Canada
- Kenya
- Taiwan
- Thailand
- USA





# International Exchange/ Visiting Studies 海外交流及訪問

**Over 300 partner universities** in more than 40 countries 超過40個國家、逾300個大學交換生計劃夥伴:

## North America

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

## Europe

- University of Cambridge
- University of Oxford
- Imperial College London



## Internships 實習

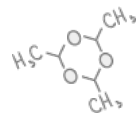


Enable students to apply knowledge in the workplace



Prepare students for their careers





## Tuition Fees 學費

	BSc 理學士	Mres 研究碩士
Local students 本地學生	HKD 42,100 per year* 每年HK\$42,100*	HKD 120,000 (full course) 整個課程:HK\$ 120,000
Non-local students 非本地學生	HKD 171,000 per year* 每年HK\$171,000*	

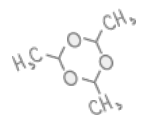
\* 4 years (以4年計)

## Scholarships 獎學金

- Entrance scholarship 入學獎學金
- Scholarships will be provided to cover at least 50% of the tuition fee of the MRes programme 將提供獎學金以支付碩研究碩士課程學費的至少50%







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# Admissions Requirements

## JUPAS Application 大學聯招申請人

### Minimum programme requirements 課程最低入學資格

EN	中	$\begin{array}{ c c } \hline + & - \\ \hline \times & = \\ \hline \end{array}$		
English Language	Chinese Language	Mathematics & Extended Modules 1 or 2	Liberal Studies	Science Elective Subjects
英文科	中文科	數學科及延伸部分單元一或二	通識科	兩門科學選修科
Level 5#	Level 3	Level 4	Level 2	Level 3## (two subjects)

#Candidates with level 4 in English Language but with excellent results in Science subjects/ Mathematics will be exceptionally considered on a case-by-case basis.

#申請人若於英文科只取得4級，惟於科學選修科及數學科考獲優異成績，仍可作個別考慮

##Science elective subjects:

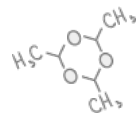
Biology, Chemistry, Physics, Combined Science and Integrated Science

科學選修科：生物科、化學科、物理科、組合科學及綜合科學



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# Non-JUPAS Application 非大學聯招申請人



Students holding non HKDSE qualifications are considered individually. 非大學聯招申請將作個別考慮。



## IB

Higher level  
Mathematics is  
required  
須包含高階數學

## GCEAL

Mathematics and  
Further Mathematics  
are required  
須包含數學及進階數學

## Other qualifications

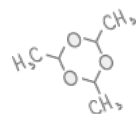
Excellent results in  
Mathematics are  
required  
以其他考試成績申請者  
數學科亦必須成績優異



## Quota 學額

15-20





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## Further Information

Programme link課程資料連結  
<https://bit.ly/2TKxhS6>



## Admissions Talk @ ZOOM

課程介紹及入學講座

Date: Nov 24, 2020 Tue

Time: 5pm

Register at <https://bit.ly/3294uv3>





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THANK YOU!

## Enquiries



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