



香港中文大學
The Chinese University of Hong Kong

Admission Talk Life Sciences Programmes @CUHK

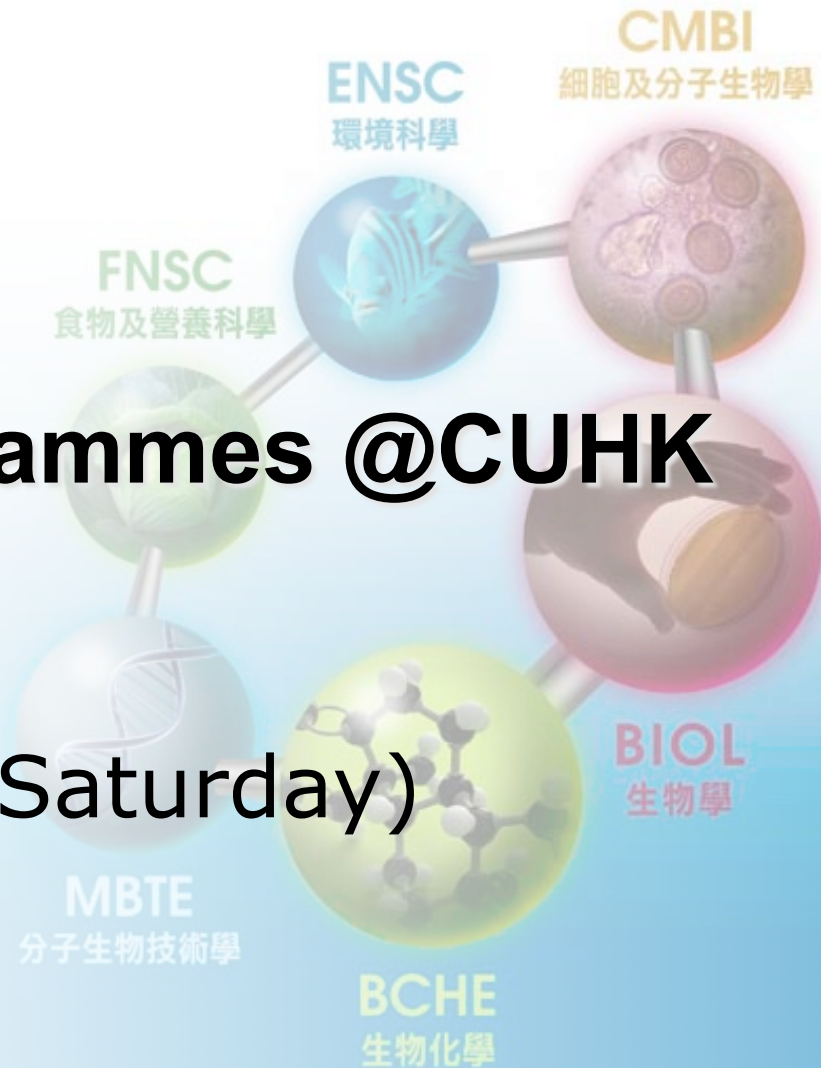
Life Sciences

Programme (JUPAS)

14 April 2012 (Saturday)

生命科學課程

JUPAS Code: 4757



生命科學

Life Sciences

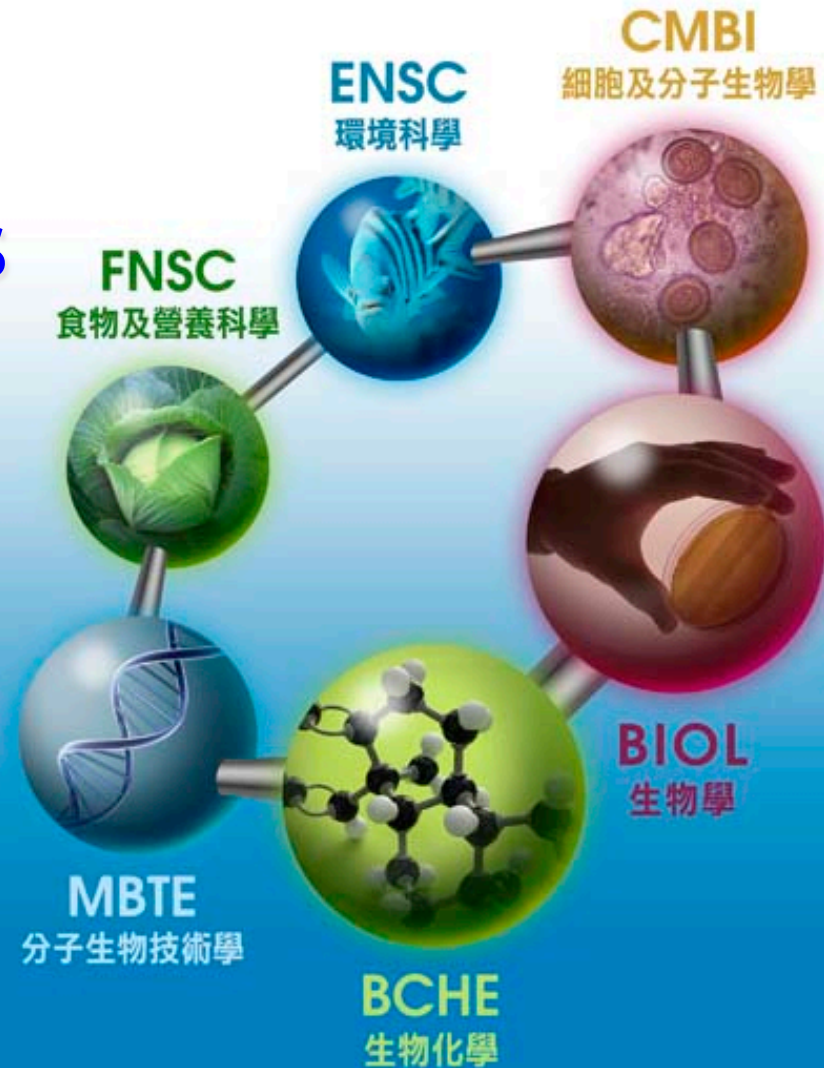


香港中文大學
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Six Programmes under School of Life Sciences

- **Biochemistry**
- **Biology (incl. Human Biology)**
- **Cell & Molecular Biology**
- **Environmental Science**
- **Food & Nutritional Sciences**
- **Molecular Biotechnology**

JUPAS Code: 4757



生命科學

Life Sciences



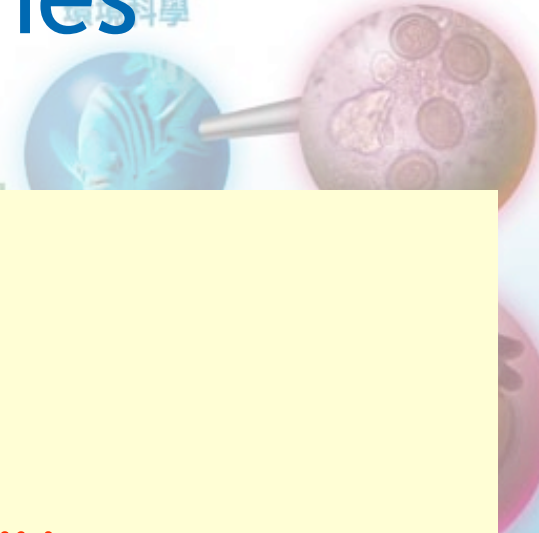
香港中文大學
The Chinese University of Hong Kong

Talk by 6 Programmes

14 April 2012 (Sat)

ENSC
環境科學

CMBI
細胞及分子生物學



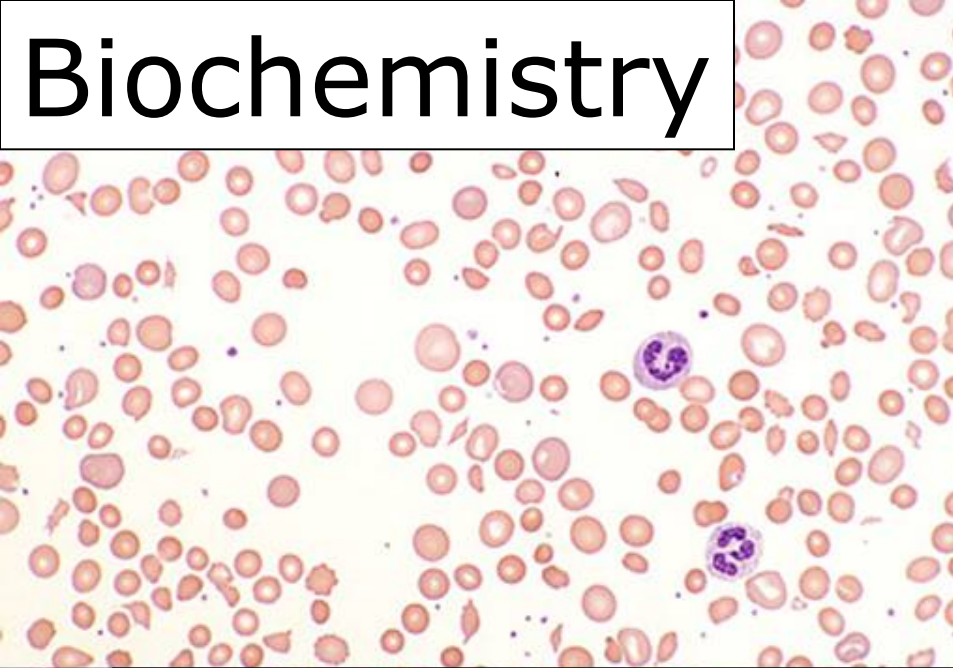
FNSC

- **C3 - Biology**
- **C4 - Biochemistry**
- **C5 - Cell & Molecular Biology**
- **G34 - Environmental Science**
- **G35 - Food & Nutritional Sciences**
- **G36 - Molecular Biotechnology**

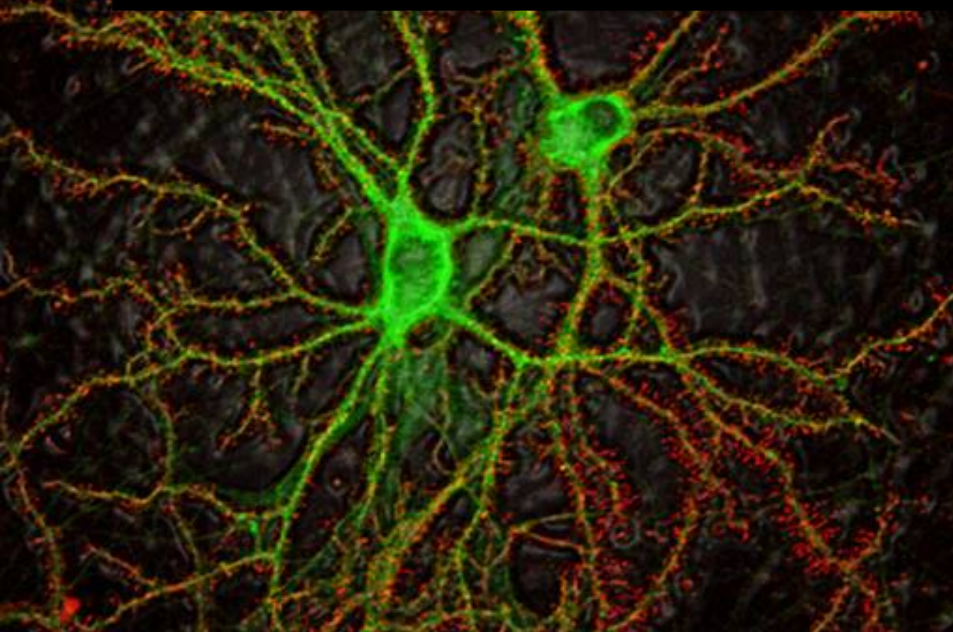
生命科學

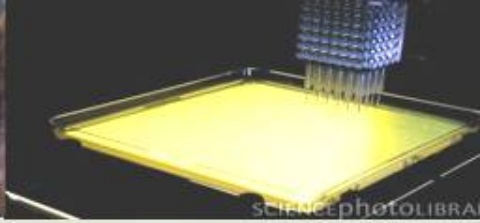
Life Sciences

Biochemistry



Emphasis: Biomedical Sciences

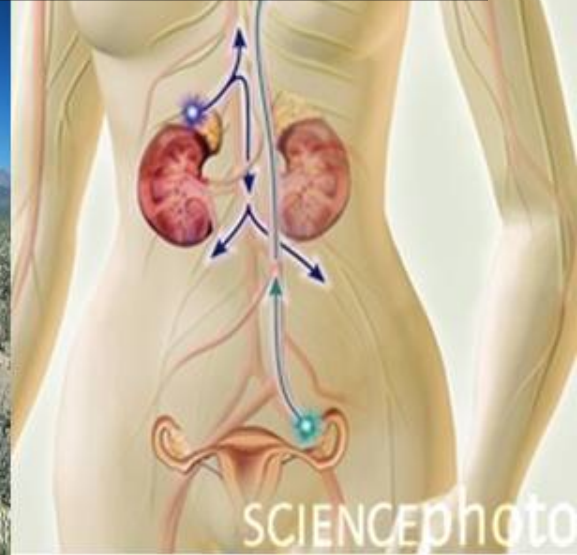




Biology



From Unity to Diversity of Life



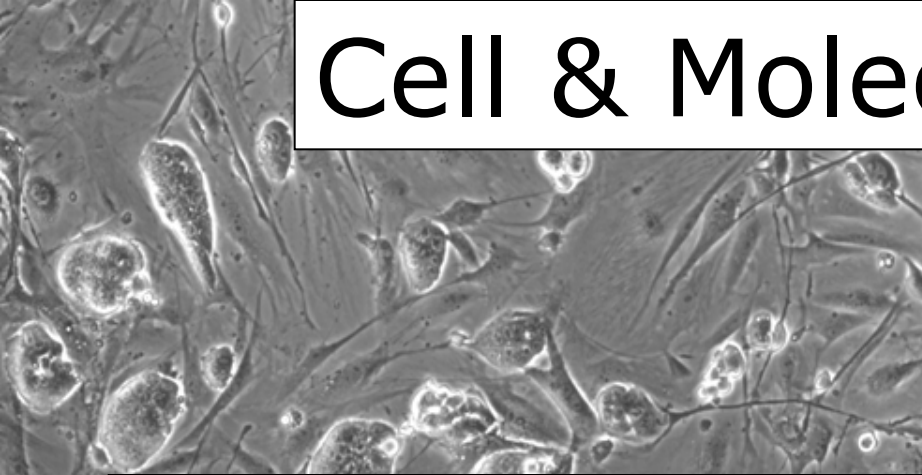
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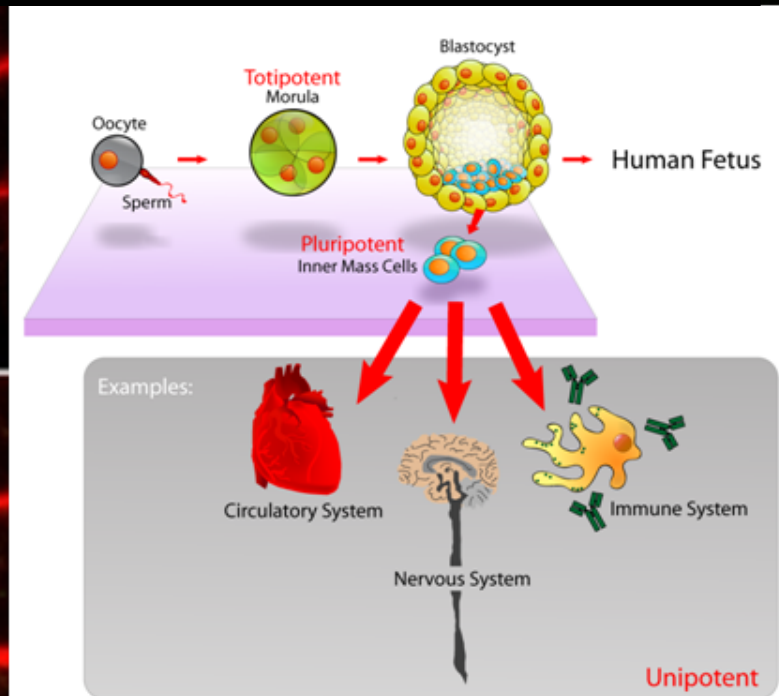
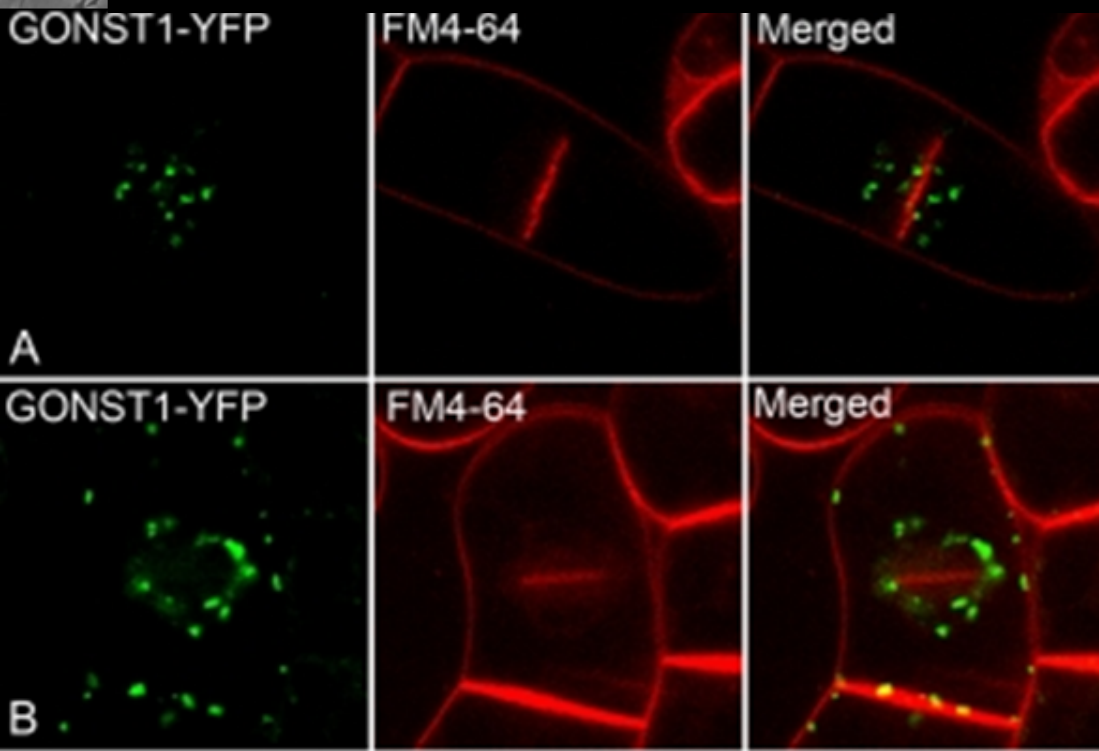
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Cell & Molecular Biology



Emphasis: Basic Science of Cell and Molecular Biology



Environmental Science



Emphasis: Environmental Protection & Impact Assessment



1975



2000

Food & Nutritional Sciences

STEPS TO A HEALTHIER YOU
MyPyramid.gov

Emphasis: Food and Nutrition





Under the UV light there are some different!

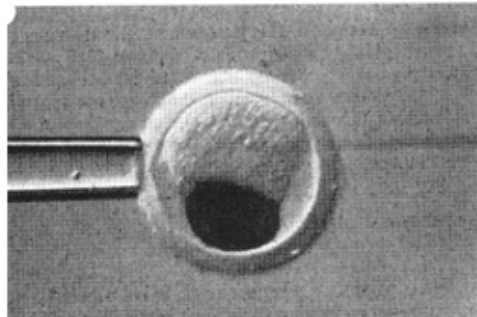
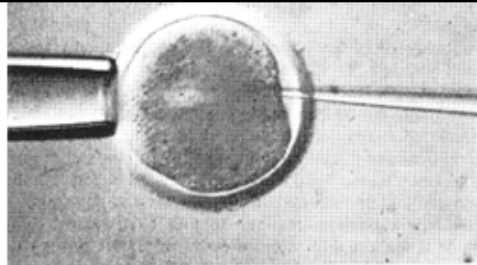
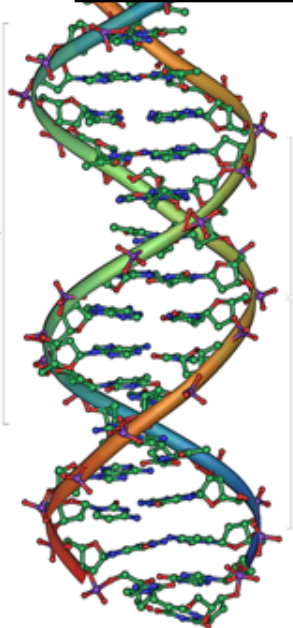


Molecular Biotechnology

between tg and non-tg cloned calves from the same donors



Emphasis: From Science to Technology



Engineering Rice for Beta-Carotene, Vitamin E, Iron, Protein and Iron and Zinc Bioavailability

Multi-Nutrient Stacking:

- Vitamin E →
- Iron →
- Zinc →
- Lysine/
High-quality protein →

“Golden Rice”



Pro-vitamin A

Nutrient-rich rice (ProVitaMinRice) for humanitarian use



Learning Experience under LSCI Programmes

- A coherent LSCI curriculum – students will take a set of mostly common, fundamental courses in Term 3
- To declare a major programme within the first two years (**No quota** is set for each of the 6 programmes)
- To acquire strong academic counseling from orientation to graduation
- To prepare for careers in sciences, health and related fields, as well as postgraduate studies

CMBI
細胞及分子生物學

FNSC

FNSC
食物及營養科學

BIOL
生物學

MBTE

分子生物技術學

BCHE

Life Sciences
Programmes (LSCI)
生命科學課程

JURAS Code: 1757

生命科學

Life Sciences

LSCI1001 for those without biology training at HKDSE



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Year One

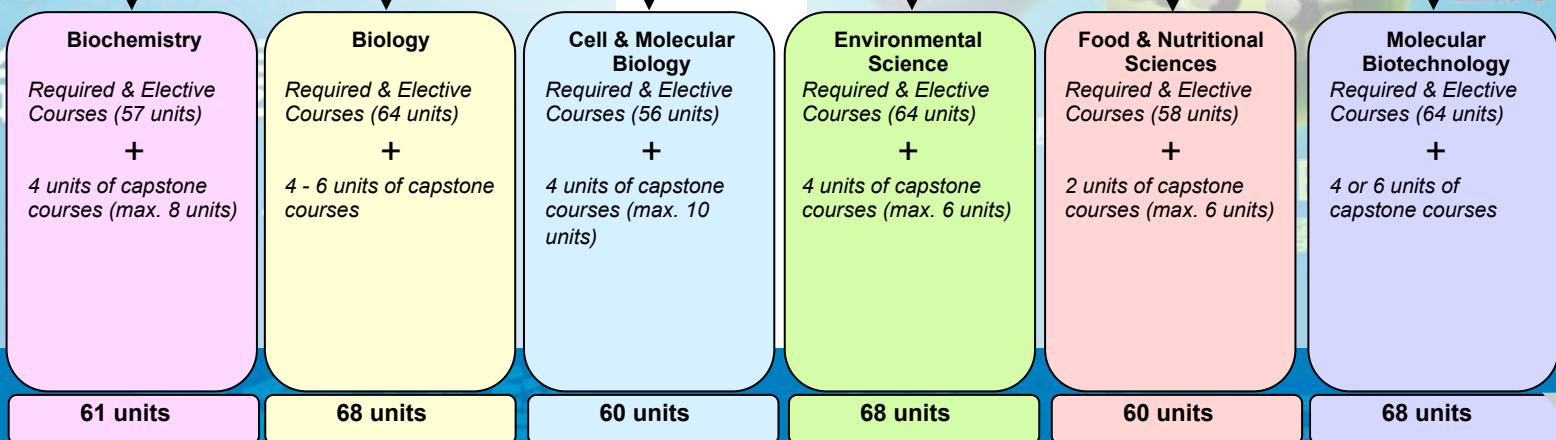
Nine units from Science Faculty Package:

- (i) Group A: LSCI1002 (3 units)
- (ii) Group B: CHEM1280 (3 units) (preferred) or CHEM1070 (3 units)
- (iii) A course (3 units) from
 - Group C: MATH1520 (preferred) or MATH1010
 - Group D: (PHYS1001 or PHYS1002) (preferred) or PHYS1111
 - Group E: STAT1012 (preferred) or STAT1011

Year Two

LSCI2000, LSCI2002, BCHE2030, BIOL2120
 Select preferred courses from a list of 10 offered by all 6 programs
 BCHE2000 BIOL2210 BIOL2213 BIOL2310 BIOL2313
 CMBI2101 CMBI2200 ENSC2270 FNCS2003 MBTE2000

Year Three & Four



CMB
細胞及分子生物學

FNCS
食物及營養科學

BIOL
生物學

Build up fundamental knowledge

Confirm Interest

Foster to be a specialist

Life Sciences Programmes (LSCI)

生命科學



香港中文大學
The Chinese University of Hong Kong

Programme Academic Advisors

- BCHE: Professor WP Fong
- BIOL: Professor CK Wong
- CMBI: Professor GE Wei
- ENSC: Professor KM Chan
- FNOSC: Professor Peter Cheung
- MBTE: Professor SM Ngai

JUPAS Code: 4757



生命科學

Life Sciences



We admitted 215 LSCI Students in 2011-12

<u>Admission Scheme</u>	<u># of Entrants</u>
JUPAS	157
Non JUPAS (local)	42
Non JUPAS Non Local (Int'l)	16
Total	215



SMART Programme

Young Scientist Mentorship And Research Training (SMART) Programme is established in 2011 with a view to supporting early placement of promising students in a research environment and promoting their interest in scientific research.

Students who fulfill either qualifications as listed below will be awarded a stipend of up to HK\$5,000 (based on the rate of \$50/hour):

1. Upon admission :

- At least 2B or 1A/1C grades in any two science AL subjects or
- Admitted through the Early Admissions Scheme

2. After the 1st term:

- Major GPA above 3.5



DREAM Programme

Dedicated Research Exchange and Mentorship (DREAM) Programme provides a chance for our undergraduate students to conduct research projects overseas during the summer and to increase their exposure to the frontiers of life sciences research.

Participants have to complete a coaching program before departing from HK, to learn some of the techniques related to their project. Each student has to write a mini-review about their research topic. After returning to HK, each student will continue to conduct the project as his/her final year experimental project.

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