



香港浸會大學理學院

HKBU Faculty of Science

**Briefing on  
Major Programme Selection  
(10 January 2017)**

**Dr. Daniel Kwong**  
**Associate Dean of Science**



## 6 MAJOR PROGRAMMES

| Department       | BSc (Hons) Programmes in   |
|------------------|--|
| Biology          | <ul style="list-style-type: none"> <li>• <b>Applied Biology</b> <ul style="list-style-type: none"> <li>- <b>Biotechnology Concentration</b></li> <li>- <b>Environmental Science Concentration</b></li> </ul> </li> </ul>   |
| Chemistry        | <ul style="list-style-type: none"> <li>• <b>Chemistry</b></li> <li>• <b>Analytical and Testing Sciences (ATS)</b></li> </ul>   |
| Computer Science | <ul style="list-style-type: none"> <li>• <b>Computer Science</b> <ul style="list-style-type: none"> <li>- <b>Computing &amp; Software Technologies Concentration</b></li> <li>- <b>Information Systems &amp; Analytics Concentration</b></li> </ul> </li> </ul> <p>**students are not required to indicate preferences of concentrations in the major programme application in June 2017</p>   |
| Mathematics      | <ul style="list-style-type: none"> <li>• <b>Mathematics and Statistics</b> <ul style="list-style-type: none"> <li>- <b>Operations Research Concentration</b></li> <li>- <b>Scientific Computing Concentration</b></li> <li>- <b>Quantitative Data Analysis Concentration</b></li> <li>- <b>Actuarial Statistics Concentration</b></li> <li>- <b>Financial Risk Management Concentration</b></li> <li>- <b>No Concentration</b></li> </ul> </li> </ul> <p>**students are not required to indicate preferences of concentrations in the major programme application in June 2017</p> |
| Physics          | <ul style="list-style-type: none"> <li>• <b>Green Energy Science</b></li> </ul>  |

## DECLARATION OF INTENDED MAJOR

1. All Year-1 science students are required to **Declare your Intended Major through the BUniPort** from **1 March 2017 (Wednesday) – 14 March 2017 (Tuesday)** for resource planning purposes.
2. You are required to indicate preferences to only **THREE Departments**. For each of the selected department, you are required to **indicate the most preferred programme/concentration** (indicate one programme/concentration only) **offered by that department**.
3. Check your BU mailbox for email about
  - Declaration procedure,
  - System opening date,
  - Deadline of declaration.

**NOTE:** This exercise provides statistical data about student preferences on the Major programmes/concentrations. This is **NOT** the real application for admission to Major programmes.

# APPLICATION FOR MAJOR PROGRAMME

1. You are required to **apply for Major programme** through the **BUniPort** in **Mid-June**. **The exact date will depend on the date of release of examination results.**
2. The BUniPort system will be opened for **3 days only** for Major application. Make sure you complete the process within the specified time period.
3. You are required to indicate **ALL (FIVE) Department Choices** in *Decreasing Priority* during major programme application in BUniPort.
4. In addition, you are required to **indicate the preferences of programmes/concentrations offered by the department (applicable to BIOL and CHEM).**

For example, if you select the **Department of Biology**, you are required to indicate your choice for

- a. **“Applied Biology - Biotechnology Concentration”** and
- b. **“Applied Biology - Environmental Science Concentration”**

in *Decreasing Priority* during major programme application. Once you are assigned to the Department of Biology, you will be admitted to the first preferred programme/concentration you indicates.

## APPLICATION FOR MAJOR PROGRAMME

5. Check your BU mailbox for email about the application procedure, system opening date and deadline of application.
6. If you have any enquiries about the result of major programme assignment, you can contact the Faculty of Science by email to [sci@hkbu.edu.hk](mailto:sci@hkbu.edu.hk) within **one week** after the major programme assignment result announced.

# ADMISSIONS TO MAJOR PROGRAMMES

Students will be assigned to their choice of **Major** programme under a **Quota** System:

- **Guaranteed Admission** will be given to **Students with:**
  - **5\*** in *relevant Science subjects* in **HKDSE**
  - e.g., **5\*** in **HKDSE Physics**, **Guaranteed Admission** to **Green Energy Science**
  - e.g., **5\*** in **HKDSE Information and Communication Technology**, **Guaranteed Admission** to **Computer Science** and **Green Energy Science**
- **Admission Criteria for Major programme for Other Students:**
  - i) **Performance in Relevant Year 1 course(s); and**
  - ii) **cGPA attained by the end of Year 1; and**
  - iii) **Interview performance, if applicable.**



# APPLICATION FOR MAJOR PROGRAMME

| <b>5* Subjects in HKDSE</b>                             | <b>Guaranteed Admissions</b> into the following Major Programme(s)                  |
|---|---|
| <b>Mathematics</b>                                      | <b>Computer Science /<br/>Mathematics and Statistics /<br/>Green Energy Science</b> |
| <b>Biology</b>  | <b>Applied Biology / Green Energy Science</b>                                       |
| <b>Chemistry</b>  | <b>Chemistry / Analytical and Testing Sciences /<br/>Green Energy Science</b>       |
| <b>Integrated Science,<br/>Combined Science</b>         | <b>Applied Biology / Analytical and Testing Sciences /<br/>Green Energy Science</b> |
| <b>Physics</b>  | <b>Green Energy Science</b>   |
| <b>Information and<br/>Communication<br/>Technology</b> | <b>Computer Science /<br/>Green Energy Science</b>                                  |

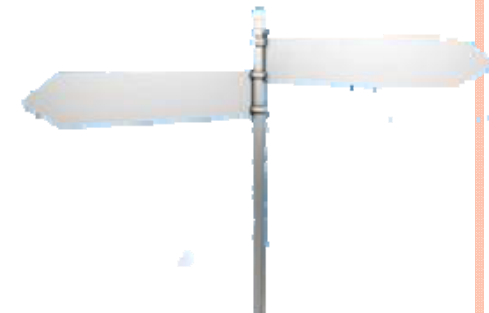
# APPLICATION FOR MAJOR PROGRAMME

| Department       | BSc (Hons) Programmes in   | Minimum Requirements  |
|------------------|--|---|
| Biology          | <ul style="list-style-type: none"> <li><b>Applied Biology</b> <ul style="list-style-type: none"> <li>- <b>Biotechnology Concentration</b></li> <li>- <b>Environmental Science Concentration</b></li> </ul> </li> </ul>   | (1) Minimum <b>cGPA of 2.2; AND</b><br>(2) Grade of <b>C+ in BIOL1005 Introduction to Biology</b>   |
| Chemistry        | <ul style="list-style-type: none"> <li><b>Chemistry</b></li> <li><b>Analytical and Testing Sciences (ATS)</b></li> </ul>   | (1) Minimum <b>cGPA of 2.0; AND</b><br>(2) Grade of <b>C in CHEM1005 Introduction to Chemistry OR</b><br>Grade of <b>C in CHEM1015 Foundation of Chemistry</b>  |
| Computer Science | <ul style="list-style-type: none"> <li><b>Computer Science</b> <ul style="list-style-type: none"> <li>- <b>Computing &amp; Software Technologies Concentration</b></li> <li>- <b>Information Systems &amp; Analytics Concentration</b></li> </ul> </li> </ul> <p>**students are not required to indicate preferences of concentrations in the major programme application in June 2017</p>   | (1) Minimum <b>cGPA of 2.0; AND</b><br>(2) Grade of <b>C in COMP1005 Essence of Computing</b><br><br>**particularly take cGPA and grade in COMP1005 into consideration  |
| Mathematics      | <ul style="list-style-type: none"> <li><b>Mathematics and Statistics</b> <ul style="list-style-type: none"> <li>- <b>Operations Research Concentration</b></li> <li>- <b>Scientific Computing Concentration</b></li> <li>- <b>Quantitative Data Analysis Concentration</b></li> <li>- <b>Actuarial Statistics Concentration</b></li> <li>- <b>Financial Risk Management Concentration</b></li> <li>- <b>No Concentration</b></li> </ul> </li> </ul> <p>**students are not required to indicate preferences of concentrations in the major programme application in June 2017</p> | Grade of <b>C in MATH1005 Calculus OR</b><br>Grade of <b>D in MATH1006 Advanced Calculus I</b><br><br>**first priority will be given to those students who have achieved a grade of at least B in MATH1005 or at least C in MATH1006 after Year 1 study |
| Physics          | <ul style="list-style-type: none"> <li><b>Green Energy Science</b></li> </ul>  | (1) Grade of <b>C in PHYS1005 Introduction to Physics and Energy Science; AND</b><br>(2) Grade of <b>C in MATH1005 Calculus OR</b><br>Grade of <b>C- in MATH1006 Advanced Calculus I</b>  |



# MAJOR APPLICATION TIMETABLE

- **Declaration of Intended Major :**  
**1 March 2017 (Wed) – 14 March 2017 (Tue)**
- **Application for Major : June 2017**  
**(After release of Final Exam results)**
- **Assignment of Major : July / August 2017**  
**(Before Semester 1 of Year 2)**



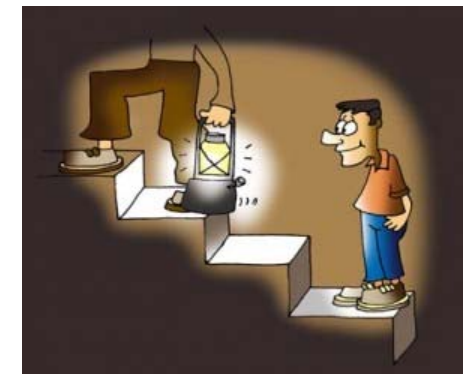


香港浸會大學  
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# ACADEMIC ADVISORS

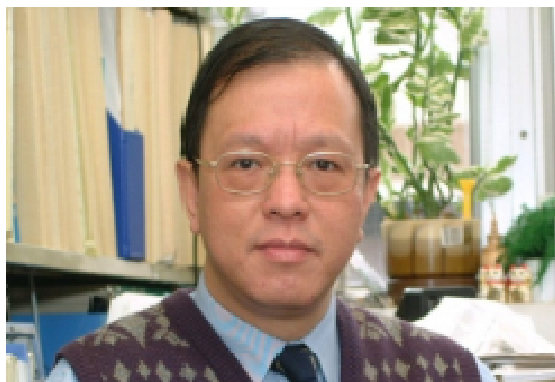


# ACADEMIC ADVISORS

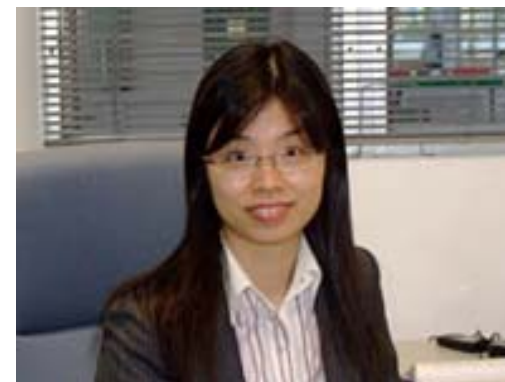
## MAJOR ROLES AND RESPONSIBILITIES:

- To **provide guidance** to Year 1 students who are interested to study his/her programme.
- To **provide information** on relevant courses such as study schedule and course selection.
- To **advise** students on any academic issues.

## ACADEMIC ADVISORS OF MAJOR PROGRAMME/CONCENTRATION:



**Prof Mak Nai Ki**  
(Applied Biology – Biotechnology Concentration)



**Dr Li Hung Wing**  
(Analytical and Testing Sciences)



**Prof Jonathan Wong**  
(Applied Biology – Environmental Science Concentration)



**Dr Shiu Kwok Keung**  
(Chemistry)

## ACADEMIC ADVISORS OF MAJOR PROGRAMME/CONCENTRATION: (CONT'D)



**Dr Byron Choi**

**(Computer Science)**

- Computing and Software Technologies Concentration
- Information Systems and Analytics Concentration



**Dr Leevan Ling**

**(Mathematics and Statistics)**

- Operations Research Concentration
- Scientific Computing Concentration
- Quantitative Data Analysis Concentration
- Actuarial Statistics Concentration
- Financial Risk Management Concentration
- no concentration

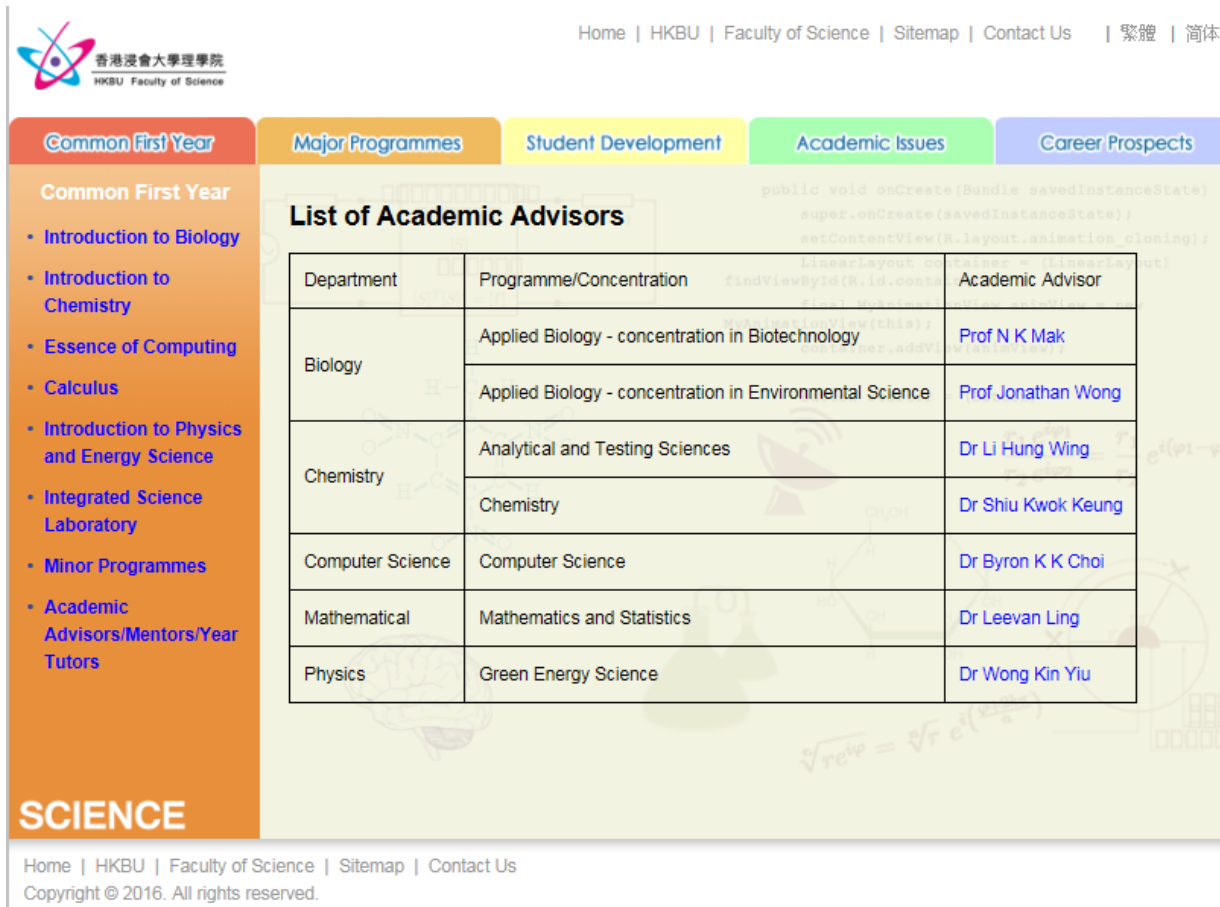


**Dr Wong Kin Yiu**

**(Green Energy Science)**

# ACADEMIC ADVISORS

- For more information on programmes/concentrations:  
 Contact details of Academic Advisors on Student Portal:  
<https://cyone.sci.hkbu.edu.hk/portal/advisors.php>



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Common First Year | Major Programmes | Student Development | Academic Issues | Career Prospects

Common First Year

- Introduction to Biology
- Introduction to Chemistry
- Essence of Computing
- Calculus
- Introduction to Physics and Energy Science
- Integrated Science Laboratory
- Minor Programmes
- Academic Advisors/Mentors/Year Tutors

**SCIENCE**

### List of Academic Advisors

| Department       | Programme/Concentration                                  | Academic Advisor   |
|------------------|--|--------------------|
| Biology          | Applied Biology - concentration in Biotechnology         | Prof N K Mak       |
|                  | Applied Biology - concentration in Environmental Science | Prof Jonathan Wong |
| Chemistry        | Analytical and Testing Sciences                          | Dr Li Hung Wing    |
|                  | Chemistry  | Dr Shiu Kwok Keung |
| Computer Science | Computer Science   | Dr Byron K K Choi  |
| Mathematical     | Mathematics and Statistics                               | Dr Leevan Ling     |
| Physics          | Green Energy Science                                     | Dr Wong Kin Yiu    |

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For **more information** on preferred major programmes, please attend departmental briefing sessions at the following venue:

**Session 1 : 3:00 – 3:25pm**

**Session 2 : 3:30 – 3:55pm**

|                         |                 |
|-------------------------|-----------------|
| <b>BIOLOGY</b>          | <b>: LT2</b>    |
| <b>CHEMISTRY</b>        | <b>: LMC512</b> |
| <b>COMPUTER SCIENCE</b> | <b>: LT1</b>    |
| <b>MATHEMATICS</b>      | <b>: LMC514</b> |
| <b>PHYSICS</b>          | <b>: LMC509</b> |

# Q & A