

NEW

Starting from 2020 intake onwards, School of Science will replace the Science Program (JS5100) with two new program choices – Science (Group A) Program (JS5102) and Science (Group B) Program (JS5103). The two Science programs are designed to cater for the academic needs and aspirations of students.

Science (Group A) 理學A組

Science (Group A) program is tailor-made for those students who are interested in the fields of physical science. At the end of the first year of studies, students admitted from Science (Group A) program (JS5102) can declare a major from Science and Technology, Mathematics, Mathematics and Economics, Ocean Science and Technology, Physics, and Risk Management and Business Intelligence.



Science (Group B) program is more suitable for those students who are interested in the fields of chemistry and life science. At the end of the first year of studies, students admitted from Science (Group B) program (JS5103) can declare a major program from Biochemistry and Cell Biology, Biological Science, Biotechnology, and Business, Chemistry, and Ocean Science and Technology.

Science (Group B) 理學B組

Other than those programs mentioned, students of both Group A and Group B Programs can also opt for dual degree program and interdisciplinary programs, including Dual Degree Program in Technology and Management, Environmental Management and Technology Program, and Individualized Interdisciplinary Major Program.

Our programs provide students with diverse learning experiences. Lectures, laboratory courses, capstone projects, signature courses, and language courses specially designed for science students, are integrated into the new curriculum of each major program. This ensures that students can have a solid foundation and adequate exposure to a range of science disciplines. The School has particularly placed enormous efforts and resources into designing its laboratory and signature courses with the aim of nurturing students' competency in experimental methods and logical analysis, which are the two indispensable pillars of scientific method.

Science (Group A) Program	Science (Group B) Program
Mathematics	Biochemistry and Cell Biology
Physics	Biological Science
Mathematics and Economics ¹	Biotechnology
Data Science and Technology ²	Biotechnology and Business ¹
Risk Management and Business Intelligence ³	Chemistry
	Dual Degree Program in Technology and Management ⁴
Ocean Science and Technology	
Environmental Management and Technology ⁴	
Individualized Interdisciplinary Major Program ⁴	

Remarks:

- 1) Jointly offered by the School of Science and School of Business and Management
- 2) Jointly offered by the School of Science and School of Engineering
- 3) Jointly offered by the School of Science, School of Engineering, and School of Business and Management
- 4) Dual Degree Program or Interdisciplinary Programs



理學A組
Science (Group A)

理學B組
Science (Group B)

What is the specific subject requirement of Science (Group A) and Science (Group B) for applicants with HKDSE qualification?

HKDSE Subject	Minimum Admission Requirements
English	3
Chinese	3
Mathematics (Compulsory)	2
Liberal Studies	2
Elective 1 (Science Elective) Must be one of: Biology / Chemistry / Physics / M1 / M2 / Combined Science	3
Elective 2 Any one Category A subject OR M1/M2	3

What are the differences in the JUPAS admission score formula for Science (Group A) and Science (Group B) programs?

Considering the best 5 subjects from HKDSE results:

HKDSE Subject	Weighting	
	Science (Group A) Program	Science (Group B) Program
English	×1.5	
Mathematics (Compulsory)	×1	
Best science electives* (At most 2 subjects) Biology / Chemistry / Physics / M1 / M2 / Combined Science	<ul style="list-style-type: none"> • Physics / M1 / M2 (×2) • Biology / Chemistry / Combined Science (×1.5) 	<ul style="list-style-type: none"> • Biology / Chemistry (×2) • Physics / M1 / M2 Combined Science (×1.5)
Other electives* Core subjects, Category A electives / M1 / M2 /		

* At most TWO weighted science electives are included in the JUPAS score calculation.

Apart from the Science (Group A) Program and Science (Group B) Program, are there any other programs for JUPAS applicants?

Other than the Group A and Group B Programs, HKUST School of Science offers three more program choices for JUPAS applicants.

International Research
Enrichment Program (JS5101)

The IRE Program is an independent and separate program choice. It is a pioneer study track tailor-made for students with particular interest in pursuing a research career in science and broadening their exposure to research during their undergraduate studies. It emphasizes curiosity and grit, which are essential attributes to a successful career in scientific research.

Biotechnology and Business
Program (JS5811)*

The BIBU Program aims to groom students with a hybrid interest in both biotechnology application and business operations. It offers a broad-based learning experience that cuts across biotechnology, life science and business management theories, in which students will gain transferrable skill sets to place them in good stead in the increasingly competitive job market.

Mathematics and Economics
Program (JS5813)*

The MAEC Program combines modern economic theory with advanced mathematical skills, providing students with excellent foundation for successful career in the business, finance and public sections. Moreover, MAEC graduates are equipped with sufficient background for postgraduate studies in economics, financial mathematics, statistics and other business fields.

* Jointly offered by School of Science and School of Business and Management