

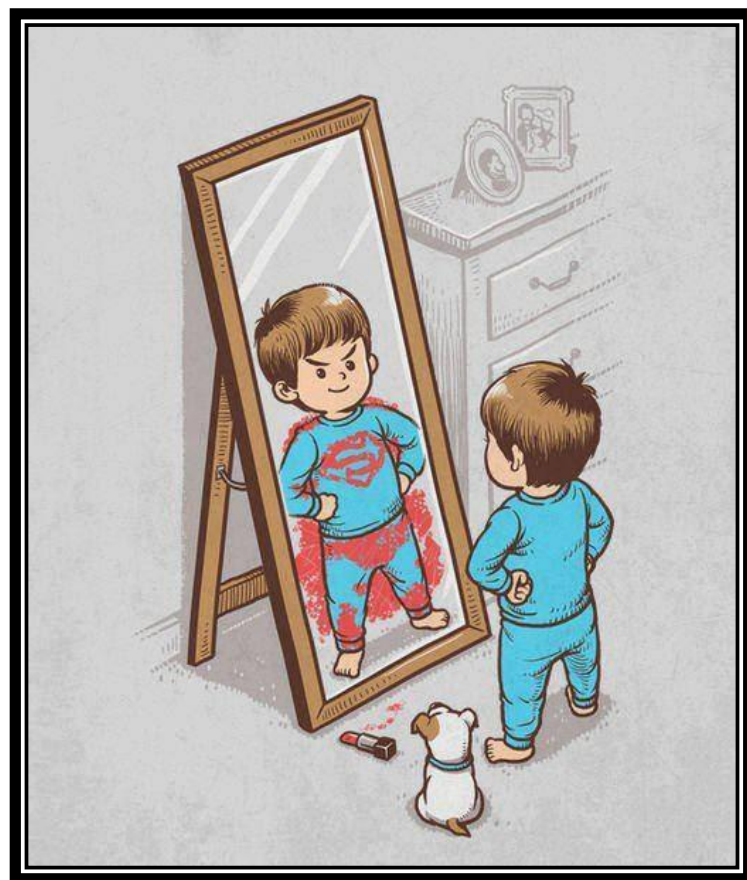


# Subject Selection

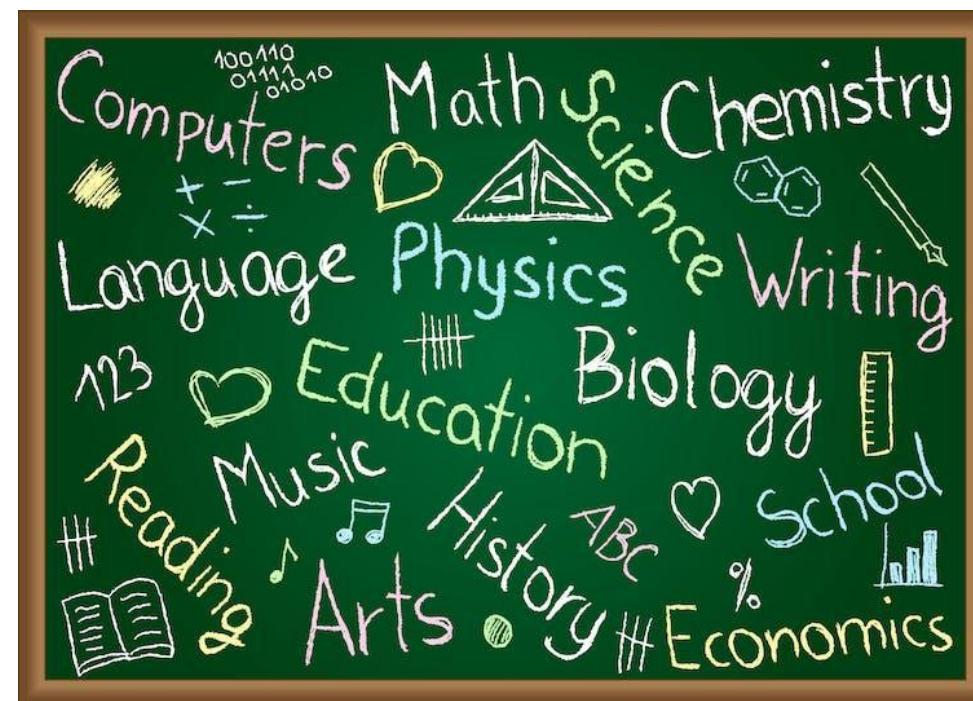
*Ms. T.S. Chan,*

*Career Teacher*

# 1 Self



# 2 Curriculum



# 3 Careers





# Understand yourself

## Interest

- What you enjoy
- listen more, work harder and do better



## Ability

- Align with your strengths
- Choose subjects that offer you a reasonable challenge

1

Teachers

2

Senior Form  
Students

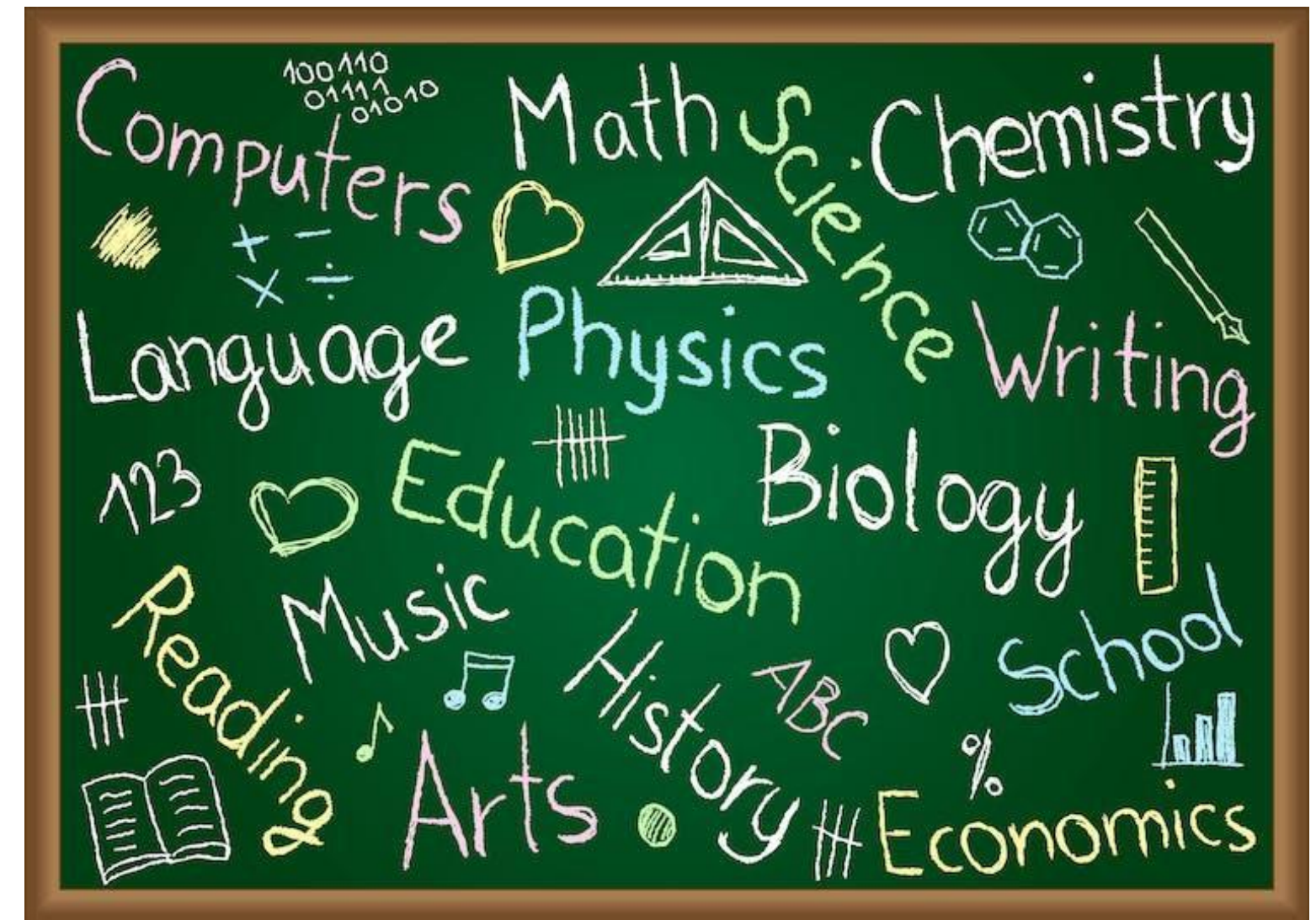
3

SPC Course  
Catalogue

4

EDB – Curriculum  
and Assessment  
Guide

# Curriculum





# Curriculum and Assessment Guide

# Curriculum

Science Education  
Key Learning Area

Physics  
Curriculum and Assessment Guide  
(Secondary 4 - 6)

Jointly prepared by the Curriculum Development Council and  
The Hong Kong Examinations and Assessment Authority

Recommended for use in schools by the Education Bureau  
HKSARG  
2007 (with updates in November 2015)

Module / Option		No. of hours allocated	
The Compulsory Part		144	
A.	Information Processing	37	
	<i>a. Introduction to Information Processing</i>		3
	<i>b. Data Organisation and Data Control</i>		4
	<i>c. Data Representation</i>		10
	<i>d. Data Manipulation and Analysis</i>		20
B.	Computer System Fundamentals	20	
	<i>a. Basic Machine Organisation</i>		14
	<i>b. System Software</i>		6
C.	Internet and its Applications	31	
	<i>a. Networking and Internet Basics</i>		9
	<i>b. Internet Services and Applications</i>		5
	<i>c. Elementary Web Authoring</i>		
	<i>d. Threats and Security on the Internet</i>		
D.	Computational Thinking and Programming	48	
	<i>a. Problem-Formulation and Analysis</i>		
	<i>b. Algorithm Design</i>		
	<i>c. Program Development</i>		
	<i>d. Program Testing and Debugging</i>		
E.	Social Implications	8	
	<i>a. Technological Innovations</i>		
	<i>b. Health and Ethical Issues</i>		
	<i>c. Intellectual Property</i>		
The Elective Part (Choose any two only)		76	
A.	Databases	38	
	<i>a. Relational Databases Concepts</i>		
	<i>b. SQL</i>		
	<i>c. Database Design Methodology</i>		14
B.	Web Application Development	38	
	<i>a. Network Services and Implementation</i>		14
	<i>b. Web Programming and Applications</i>		24
C.	Algorithm and Programming	38	
	<i>a. Programming</i>		32
	<i>b. Applications of Programming in Real Life</i>		6
School-based Assessment		30	
Total Curriculum Time		250 hours <sup>1</sup>	

時期	課題	學習要點	說明
夏商周	1.周代分封	<ul style="list-style-type: none"><li>兩次分封形成的政治局面</li><li>兩次分封促成的民族搏成</li></ul>	西周初年，兩度分封，開拓疆土，使周天子的地位得以鞏固，從而改變了夏、商以來的政治局面，並促成了民族的搏成。
	2.春秋戰國的政治與社會變動	<ul style="list-style-type: none"><li>西周與春秋在政治和社會兩方面的不同</li><li>春秋和戰國在政治和社會兩方面的不同</li><li>春秋戰國諸子百家爭鳴局面的形成</li></ul>	平王東遷，周室衰微，長達五百多年的春秋、戰國，是中國歷史上政治與社會劇烈變動的時代。春秋時期諸侯雖爭相割據，仍願尊已無力號令天下的天子為領袖；而分封制雖漸崩壞，禮法仍能維繫社會的相對安定。戰國時期，諸侯兼併成風、篡弑相乘，周室已失卻象徵性質的地位；社會方面，隨著貴族沒落、平民興起、工商業蓬勃發展、知識階層抬頭，社會形態跟周初推行分封時已有很大的改變。

# Understand yourself

## Values

- Reflect on what is important and personal to you, not what others expect from you

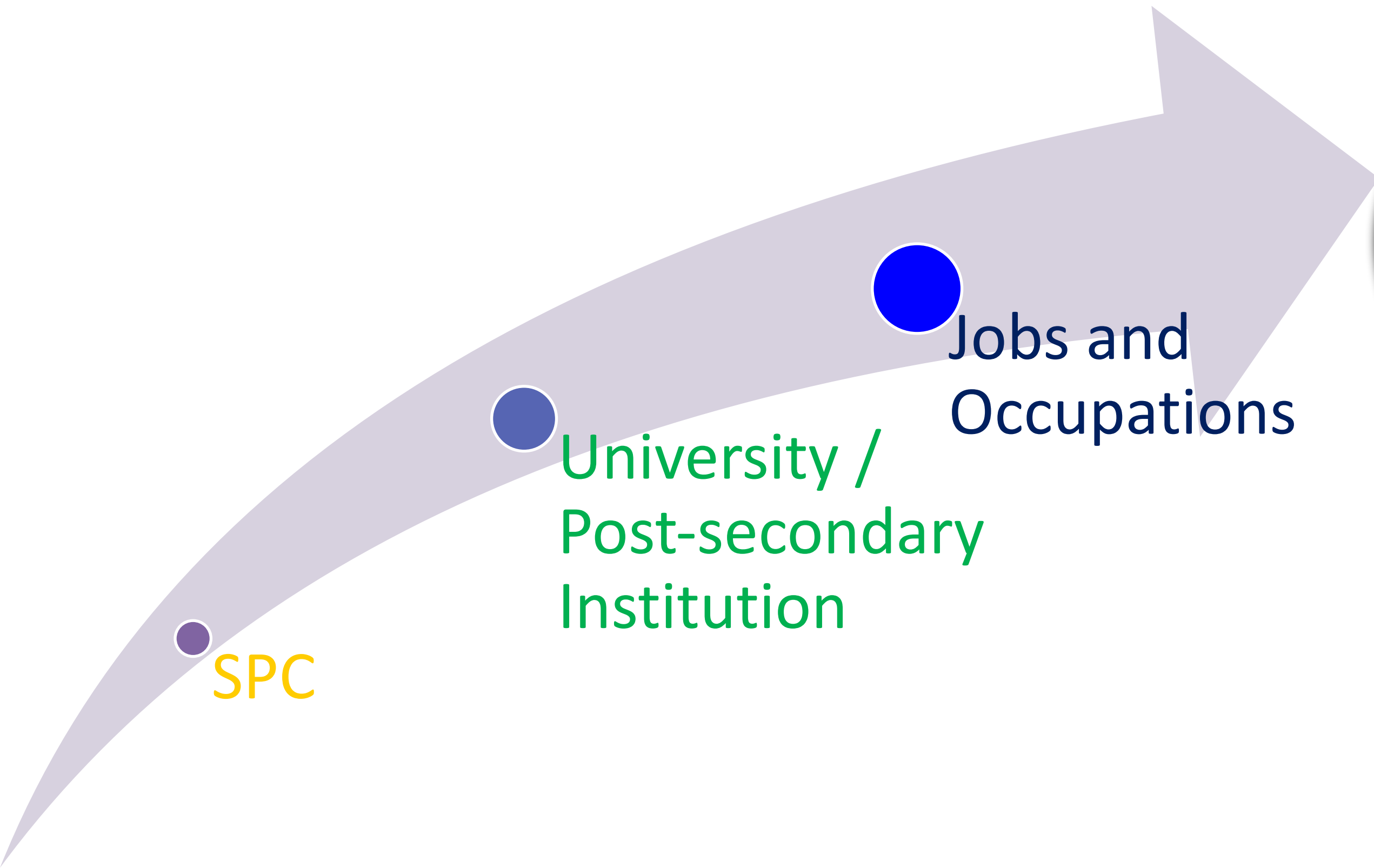


## Aspiration

- think about your career pathways and long-term goals



# Careers



# Life Planning Information Industries and Jobs



Logistic and  
Trading



Transportation



Aviation



Innovative  
Science and  
Technology



Media and  
Publishing



Banking and  
Finance



Real Estate  
Industry



Accounting



Building and  
Engineering



Marketing and  
Public  
Relations



Law



Design



Administration  
and Human  
Resources



Tourism



Public  
Administration



Education and  
Training



Social and  
Public Services



Medical Care



Entertainment  
and Arts



Services and  
Retail



Other  
Occupations



<https://lifeplanning.edb.gov.hk/tc/career/career-information/index.html>







## Accounting

Accountant

Accounting Clerk

Auditor

# Accountant

## Duties

The main duties of accountant is to conceive financial plans and manage the company's financial arrangements on the premise of the company's overall interests. The main duties of accountant are as follow:

- Document daily financial transactions
- Prepare annual reports and financial reports
- Maintain accounting controls and financial security
- Organise and prepare tax payments



### Working hours

40-50 a week, it requires work overtime during the peak seasons



### Working environment

Require to communicate with different parties; need to work under pressure



### Personality

- Attention to details
- Patient



### Promotion and Reference Salary

#### Accountant

Approximately \$13,000 or above

#### Accountant manager

Approximately \$44,000 or above

#### Chief Financial Officer

Approximately \$70,000 or above

Note: The reference salary and the promotion salary may vary according to the company, experience and ability.

## Entry requirements

- Required a bachelor degree in accounting, or equivalent, and a Hong Kong Institute of Certified Public Accountants Qualification Programme (CPA QP) to become an accountant
- For the people who do not have accounting bachelor degree, you can also get the qualification from other way to become an accountant, see from below:- study Accredited Accounting Technician (AAT) Examination and get PA and PBE- then you can get the qualification of Certified Public Accountants Qualification programme
- Good command of spoken and written English and Chinese
- Require a basic computer skills (Type in Chinese and English and MS Excel)

## Example of related training and courses

Higher Diploma / Associate Degree

- **Hong Kong Baptist University. School of Continuing Education – Associate of Science (Professional Accountancy)**
- **Hong Kong Institute of Vocational Education, Vocational Training Council - Higher Diploma in Accountancy with Business Analytics**
- **Hong Kong Management Association - Advanced Diploma in Professional Accounting Studies (DADAS) Diploma in Professional Accounting Studies (DDAS)**

Bachelor Degree

- **University of Hong Kong – Bachelor of Business Administration (Accounting & Finance)**
- **City University of Hong Kong – Bachelor of Business Administration (Accounting)**
- **The Chinese University of Hong Kong – Professional in Accountancy**
- **The Hang Seng University of Hong Kong– Bachelor of Business Administration (Honours) in Professional Accountancy**

## Industry Sharing

行業分享: Mr. Daniel Tang (資深會計師)

這份工作  
What is the most  
最具挑戰性的地方?  
challenging part of your job

Daniel Tang  
資深會計師  
會計業界

Watch on YouTube

Mr. Daniel Tang (Fellow Certified Public Accountant)  
(Collated transcript)





# Further Studies

*Mr. T.F. Ng,*

*Careers Master*





**332A+**

**33**



**programme  
entrance  
requirements**



# SUBJECT ELECTIVE REQUIREMENTS



**2025 Entry**

University	Number of Programmes with Subject Elective Requirements
CityUHK	5
HKBU	2
CUHK	18
EdUHK	7
HKUST	17
HKU	25



**2025 Entry**

*The information may be updated by the institutions. Please refer to their official websites for the latest information.*

**At least one  
science subject**

- **CityUHK Energy and Environment  
(Majors: BEng Energy Science and  
Engineering / BEng Environmental  
Science and Engineering)**
- **CUHK Computer Science and  
Engineering \***
- **HKU Bachelor of Chinese Medicine**

*\* M1/M2 and ICT can be included to fulfil the requirement.*

**2025 Entry**

*The information may be updated by the institutions. Please refer to their official websites for the latest information.*

**Chemistry**

- **HKBU Bachelor of Pharmacy (Hons) in Chinese Medicine**
- **HKU Bachelor of Medicine and Bachelor of Surgery**



**2025 Entry**

*The information may be updated by the institutions. Please refer to their official websites for the latest information.*

## Biology and Chemistry

- **CityUHK Bachelor of Veterinary Medicine (Features: One Health paradigm / Animal Health & Welfare / Public Health / Dual Accreditation)**

**2025 Entry**

*The information may be updated by the institutions. Please refer to their official websites for the latest information.*

**Biology or  
Chemistry**

- **HKBU Bachelor of Chinese Medicine and Bachelor of Science (Hons) in Biomedical Science**
- **CUHK Medicine (MBChB) Programme**
- **HKUST BSc in Biotechnology and Business**
- **HKU Bachelor of Dental Surgery**



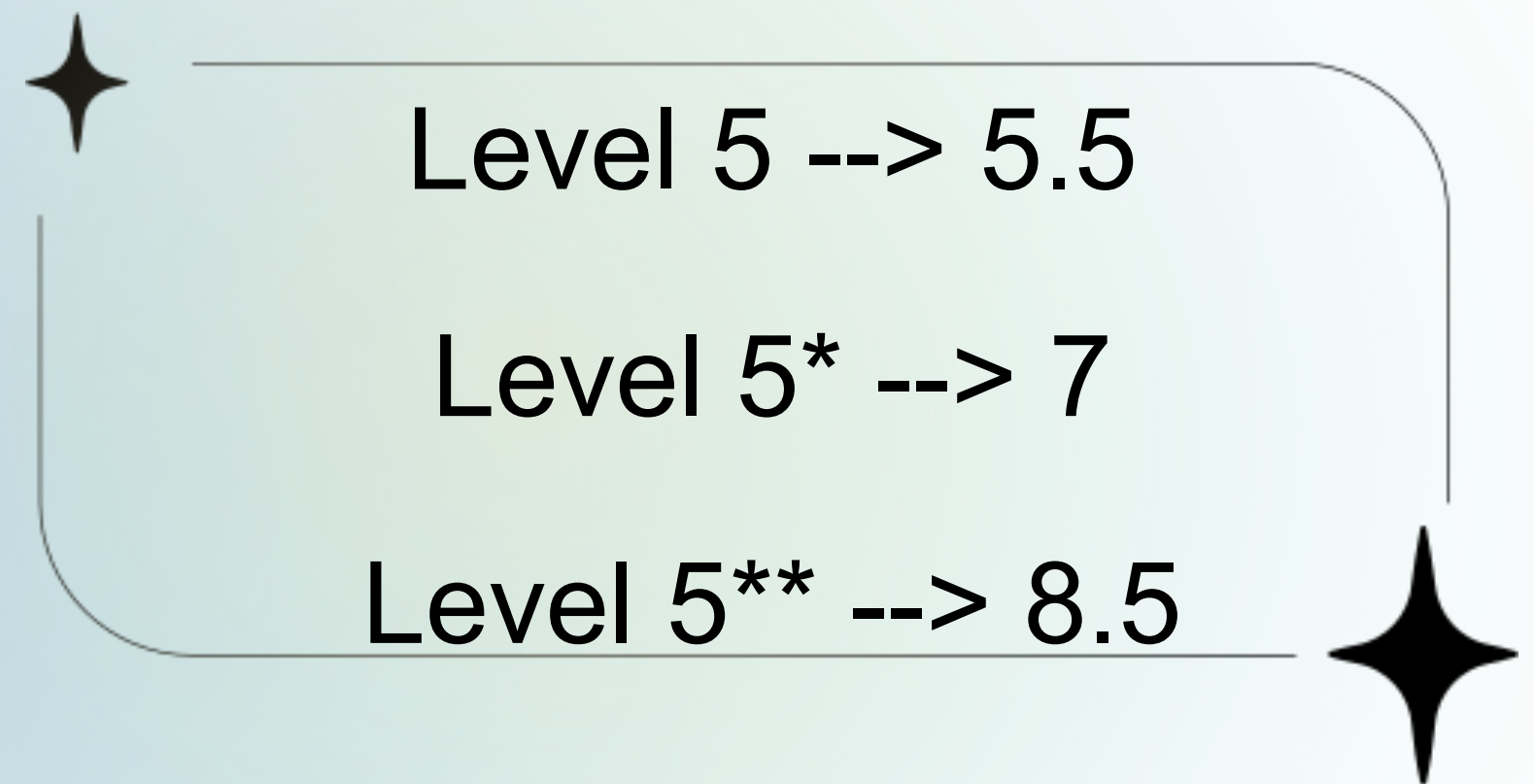
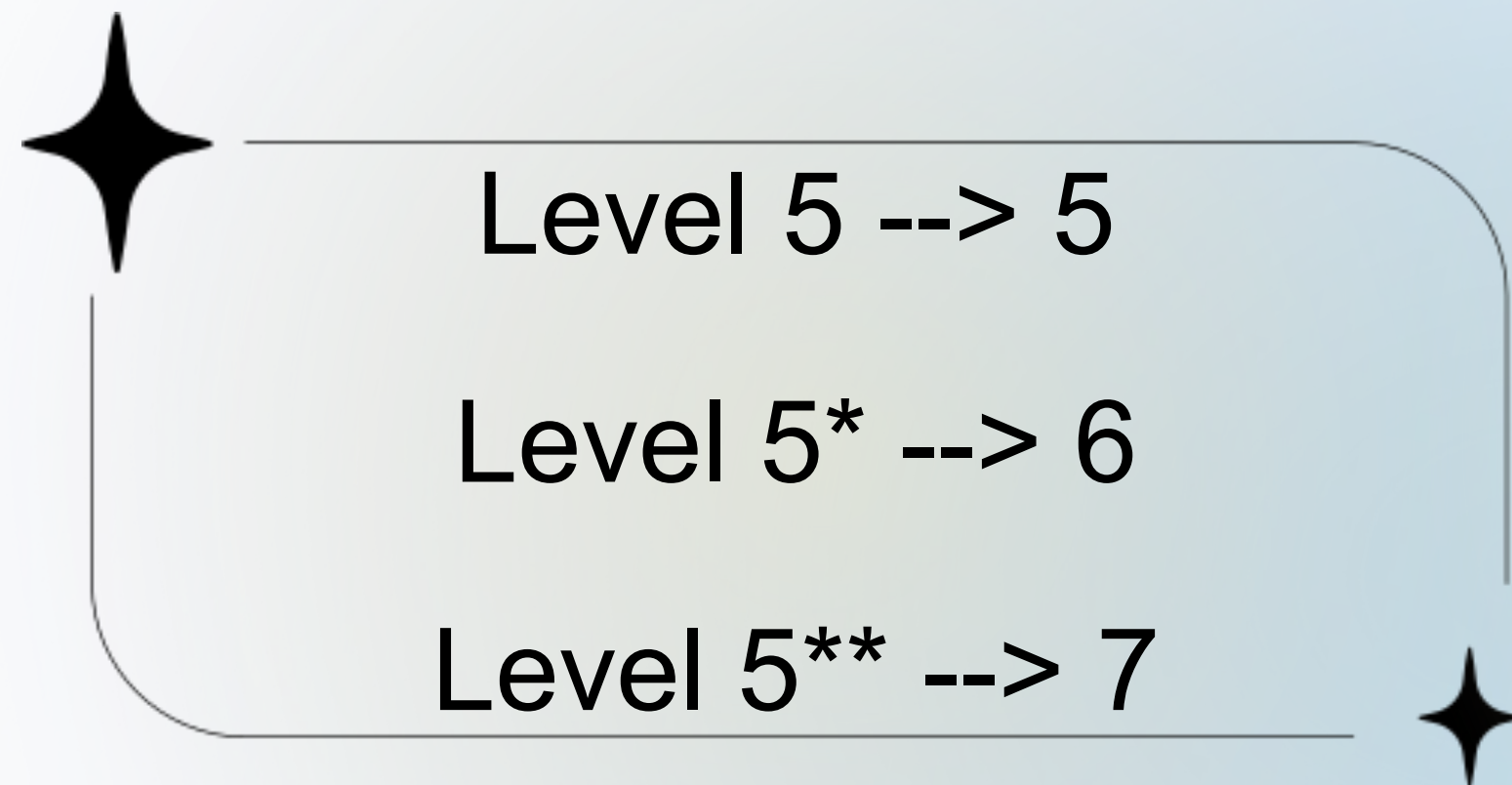
**2025 Entry**

*The information may be updated by the institutions. Please refer to their official websites for the latest information.*

**No specific elective required**

- CityUHK Creative Media (Majors: BA Creative Media / BSc Creative Media / BAS New Media)
- CUHK Global Business Studies
- PolyU Hotel and Tourism Management (Hotel Management / Smart Tourism and Hospitality / Event and Experience Management) - BSc (Hons) Scheme
- HKUST BBA in Marketing
- HKU Bachelor of Nursing

# PREFERENTIAL SCORE CONVERSION



Except JS4501 and JS4502



2025 Entry



# SELECTION PRINCIPLE

Best 5

(English and/or Mathematics

+

Best 3)

*for most programmes*

# WEIGHTING

2025 Entry

*The information may be updated by the institutions. Please refer to their official websites for the latest information.*

<b>BAFS</b>	x1.5	CUHK Financial Technology
<b>Biology</b>	x1.25	LingnanU Bachelor of Liberal Arts (Honours) in Global Development and Sustainability
	x1.5	HKUST BSc in Biotechnology and Business
<b>Chemistry</b>	x1.25	CUHK Materials Science and Engineering
	x1.3	HKU Bachelor of Dental Surgery
<b>Chinese History</b>	x1.5	CityUHK BA Chinese and History (Streams: Chinese / History and Cultural Heritage)
<b>Economics</b>	x1.5	CUHK Interdisciplinary Data Analytics & X Double Major Programme
		HKU Bachelor of Arts and Bachelor of Engineering in Artificial Intelligence and Data Science





# WEIGHTING

**2025 Entry**

*The information may be updated by the institutions. Please refer to their official websites for the latest information.*

<b>Geography</b>	x1.5	CityUHK Energy and Environment (Majors: BEng Energy Science and Engineering / BEng Environmental Science and Engineering) CUHK BSc in Learning Design and Technology
<b>ICT</b>	Preferred x1.5	PolyU Aviation Engineering (Aviation Engineering / Air Transport Engineering) - BEng (Hons) Scheme CUHK Computational Data Science
<b>Physics</b>	x1.5 x2.5	CUHK Electronic Engineering CityUHK Architecture and Civil Engineering (Majors: BEng Architectural Engineering / BEng Civil Engineering / BSc Architecture and Surveying)
<b>Visual Arts</b>	Preferred x1.15	CUHK Fine Arts HKBU Bachelor of Communication (Hons) in Game Design and Animation

# MI/M2

**2025 Entry**

*The information may be updated by the institutions. Please refer to their official websites for the latest information.*

## CityUHK

x1.5 BSc Physics  
x1.5 BEng Environmental Science and Engineering and BBA Finance  
x2 BSc Computing Mathematics  
x2.5 Architecture and Civil Engineering  
x2.5 Global Research Enrichment and Technopreneurship (GREAT)

## HKBU

x1.5\* Bachelor of Social Sciences (Hons) / Bachelor of Science (Hons) in Innovation in Health and Social Well-Being

*\*M1 only*

## LingnanU

x1.5 Bachelor of Business Administration (Honours) - Accounting and Corporate Governance  
x1.5 Bachelor of Social Sciences (Honours) in Social and Public Policy Studies

## CUHK

(Preferred, x1.5) Enrichment Stream in Theoretical Physics  
(at least Level 5 if it's Level 3 or 4 in Math, x1.5) Insurance, Financial and Actuarial Analysis  
(Preferred, 1.75) Computer Science and Engineering  
x2 Earth and Environmental Sciences

## HKUST

x1.5 Department of Mechanical and Aerospace Engineering  
x1.5 BBA in Finance  
x1.5 BEng / BSc & BBA Dual Degree Program in Technology and Management  
x2 Science (Group A) with an Extended Major in Artificial Intelligence

## HKU

(May include M1/M2 or category C subject whichever is higher)  
Architectural Studies  
(Level 3 or above, x1.25)  
Quantitative Finance  
(Level 3 or above is preferred; may be included in one of the Best 3 subjects)  
Civil Engineering  
(Level 4 or above, x 1.2)  
Actuarial Science





Please note that for Cambridge courses that require Mathematics and Further Mathematics A Levels, applicants are required to take Extended Module 2 (Algebra and Calculus) Mathematics as part of their core.

For Cambridge courses that require Mathematics A Level, applicants are advised to take either Extended Module 1 (Calculus and Statistics) or Extended Module 2 (Algebra and Calculus) Mathematics as part of their core.

# IMPERIAL

Where Mathematics is required applicants should achieve the required grade in both the Mathematics compulsory and Mathematics Extended 1 or 2 components.



UCL

Applicants for degree programmes where mathematics is required, a level 5\* will be required for the compulsory Mathematics element and a minimum of level 5 for the extended algebra and calculus extended element (the calculus and statistics extended component will not be acceptable for these subjects).



THE UNIVERSITY  
of EDINBURGH

#### A Level mathematics requirement

Subject at A\*

Subject at A

Subject at B

#### Equivalent mathematics requirement - HKDSE

Level 5 in both Compulsory and Extended Core Mathematics

Level 5 in both Compulsory and Extended Core Mathematics

Level 5 in both Compulsory and Extended Core Mathematics



UNIVERSITY  
of York

If Mathematics is an essential subject requirement, you will need to complete two elective subjects plus Compulsory Mathematics and Extended Mathematics (either M1/Calculus and Statistics or M2/Algebra and Calculus).



UNIVERSITY OF  
TORONTO

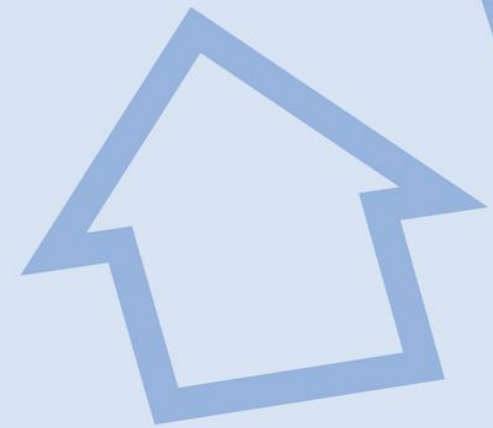
Hong Kong Diploma of Secondary Education (HKDSE): the completed diploma, including at least 2 elective subjects from Categories A and/or C. Subjects should include prerequisites for intended programs. Mathematics Module 1 (Calculus and Statistics) or Module 2 (Algebra and Calculus) is required for programs with the Calculus prerequisite. Applicants who are not completing Module 1 or 2 may present Advanced Level Mathematics or AP Calculus as an alternative.



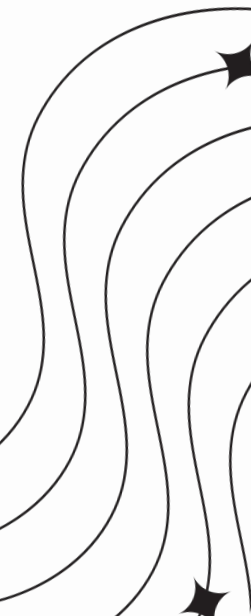
✦ *Subject Prerequisite*

*Subject Weighting*

*Selection Principle*



<https://www>





# POINTS TO NOTE

- Good Match (Ability, Interest etc)
- University Courses with Admissions Requirements
- DSE vs IAL
- Role of Parents