

Bachelor of Science (Honours) Scheme in Applied Sciences

應用科學（榮譽）理學士組合課程

(84048-HS / 84048-IW / 84048-SC)

Scheme Structure

Students are required to complete the following requirements with satisfactory results for an honours degree:

Award	Requirements	No. of Credits	
Bachelor of Science (Honours) in Applied Sciences (Health Studies)	General University Requirements (GUR)	9 – 18	
	2 Cluster Area Requirements (CAR) subjects (including 1 designated as China-related) ⁺ , 3 credits each	6	
	1 Free Elective subject	3	
	Up to 3 Language and Communication Requirements (LCR) subjects (2 in English & 1 in Chinese), 3 credits each <i>(for students who have not met the equivalent standard of undergraduate degree LCR based on their prior sub-degree studies only)*</i>	0 – 9	
	Discipline Specific Requirements (DSR) <i>(Please refer to the table on p.3 for details.)</i>	51 – 62 credits	
	Foundation	Up to 4 subjects, 1 2-credit; 3 credits each for others <i>(for students from unrelated disciplines only)</i>	0 - 11 credits
	Scheme Compulsory	7 subjects, 3 credits each	21 credits
	Award-Specific Compulsory	8 subjects, 3 credits each	24 credits
	Elective	2 subjects, 3 credits each	6 credits
	Work Integrated Education (WIE)		
	300 hours of work-based learning experience <i>(Relevant work experience accumulated during or after sub-degree studies may be considered for fulfilment of WIE. Students will be invited to submit application for consideration after programme commencement.)</i>		Nil
Total		60 – 80 credits	
Bachelor of Science (Honours) in Applied Sciences (Information Systems and Web Technologies)	General University Requirements (GUR)	9 – 18 credits	
	2 Cluster Area Requirements (CAR) subjects (including 1 designated as China-related) ⁺ , 3 credits each	6 credits	
	1 Service Learning OR Free Elective subject [^]	3 credits	
	Up to 3 Language and Communication Requirements (LCR) subjects (2 in English & 1 in Chinese), 3 credits each <i>(for students who have not met the equivalent standard of undergraduate degree LCR based on their prior sub-degree studies only)*</i>	0 – 9 credits	
	Discipline Specific Requirements (DSR)	51 – 62 credits	

	<i>(Please refer to the table on p.3 for details.)</i>		
	Foundation	Up to 4 subjects, 1 2-credit; 3 credits each for others <i>(for students from unrelated disciplines only)</i>	0 – 11 credits
	Scheme Compulsory	7 subjects, 3 credits each	21 credits
	Award-Specific Compulsory	9 subjects, 3 credits each	27 credits
	Elective	1 subject, 3 credits	3 credits
	Work-Integrated Education (WIE)		Nil
	300 hours of work-based learning experience <i>(Relevant work experience accumulated during or after sub-degree studies may be considered for fulfilment of WIE. Students will be invited to submit application for consideration after programme commencement.)</i>		
	Total		
Bachelor of Science (Honours) in Applied Sciences (Statistics and Data Science)	General University Requirements (GUR)		9 – 18 credits
	2 Cluster Area Requirements (CAR) subjects (including 1 designated as China-related) ⁺ , 3 credits each		6 credits
	1 Service Learning OR Free Elective subject [^]		3 credits
	Up to 3 Language and Communication Requirements (LCR) subjects (2 in English & 1 in Chinese), 3 credits each <i>(for students who have not met the equivalent standard of undergraduate degree LCR based on their prior sub-degree studies only)*</i>		0 – 9 credits
	Discipline Specific Requirements (DSR) <i>(Please refer to the table on p.4 for details.)</i>		51 – 62 credits
	Foundation	Up to 5 subjects, 1 non-credit-bearing; 1 2-credit; 3 credits each for others <i>(for students from unrelated disciplines only)</i>	0 – 11 credits
	Scheme Compulsory	7 subjects, 3 credits each	21 credits
	Award-Specific Compulsory	8 subjects, 3 credits each	24 credits
	Elective	2 subjects, 3 credits each	6 credits
		Work-Integrated Education (WIE)	
	300 hours of work-based learning experience <i>(Relevant work experience accumulated during or after sub-degree studies may be considered for fulfilment of WIE. Students will be invited to submit application for consideration after programme commencement.)</i>		
	Total		
			60 – 80 credits

⁺ Within these subjects, students need to fulfil the English and Chinese reading and writing requirements.

[^] Subject to the review in early 2020, all students may be required to take a Service Learning subject.

* Students' fulfilment of LCR will be assessed based on their academic records of sub-degree studies. They will be advised if they are required to take LCR subjects on admission.

Discipline Specific Requirements (DSR)

Award	Subject Nature	Subject Title
All	Scheme Compulsory <i>(all 7 subjects)</i>	Applied Data Analytics
		Business Communication in Chinese
		Effective Professional Communication in English
		Integrated Study (Applied Sciences)
		Management of Technology, Innovation and Entrepreneurship
		Professional Ethics and Social Responsibilities
		Research Methodology in Applied Sciences
Bachelor of Science (Honours) in Applied Sciences (Health Studies)	Foundation <i>(for students from unrelated disciplines only)</i>	Foundation of Administrative Studies
		Introduction to Internet Technologies
		Introduction to Probability and Statistics
		Sociology for Health Studies
	Award-Specific Compulsory <i>(all 8 subjects)</i>	Epidemiology
		Essentials of Infection Control
		Health Care Systems and Resources Management
		Health Information Sciences
		Legal and Ethical Considerations in Health Care
		Nutrition and Diseases
		Operations Management for Health Care
	Practices in Health Promotion♦	
	Elective[#] <i>(any 2 subjects)</i>	Accounting for Decision Making
		Electronic Commerce Strategy and Implementation
		End of Life Issues
		Introduction to Complementary and Alternative Medicine
		Nutrition and Life Cycle
Bachelor of Science (Honours) in Applied Sciences (Information Systems and Web Technologies)	Foundation <i>(for students from unrelated disciplines only)</i>	Computer Programming Concepts
		Foundation of Administrative Studies
		Introduction to Internet Technologies
		Introduction to Probability and Statistics
	Award-Specific Compulsory <i>(all 9 subjects)</i>	Computer Network Administration
		Computer Security
		Database Technologies and Management
		Electronic Commerce Strategy and Implementation
		Enterprise Cloud Computing
		Management Information Systems
		Multimedia Technology for the Internet
		Web Application Development and Management
	Web Systems and Technologies	
	Elective[#] <i>(any 1 subject)</i>	Artificial Intelligence
		Foundation of Animation
Mobile Application Development		
Principles and Practices of FinTech		
Project Management		
Bachelor of Science (Honours) in	Foundation <i>(for students from unrelated disciplines)</i>	Calculus
		Computer Programming Concepts
		Foundation of Administrative Studies

Applied Sciences (Statistics and Data Science)	<i>only)</i>	Inferential Statistics (<i>non-credit-bearing</i>)	
		Statistical Data Analysis	
	Award-Specific Compulsory <i>(all 8 subjects)</i>		Data Structures and Algorithms
			Database Technologies and Management
			Decision Analysis with Python
			Forecasting and Applied Time Series Analysis
			Informatics
			Operations Research Methods
			Simulation Models for Business
			Survey Sampling
	Elective[#] <i>(any 2 subjects)</i>		Applied Probability Models
			Artificial Intelligence
			Big Data Analytics
			Computer Network Administration
			Computer Security
			Financial Management for Non-finance Specialists
			Principles and Practices of FinTech
			Statistical Inference
			Web Application Development and Management
		Web Systems and Technologies	

[#] Offering of any elective subjects is subject to sufficient enrolment.

◆ This is a service-learning subject.