

PolyU-SPEED Award Programme 2019/20

Bachelor of Science (Honours) Scheme in Applied Sciences

應用科學（榮譽）理學士組合課程

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 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.3 for details.)</i>	51 – 60 credits	
	Foundation	Up to 3 subjects, 3 credits each <i>(for students from unrelated disciplines only)</i>	0 - 9 credits
	Scheme Compulsory	6 subjects, 3 credits each	18 credits
	Award-Specific Compulsory	8 subjects, 3 credits each	24 credits
	Elective	3 subjects, 3 credits each	9 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 – 78 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) <i>(Please refer to the table on p.3 for details.)</i>	51 – 60 credits
	Foundation Up to 3 subjects, 3 credits each <i>(for students from unrelated disciplines only)</i>	0 – 9 credits
	Scheme Compulsory 6 subjects, 3 credits each	18 credits
	Award-Specific Compulsory 10 subjects, 3 credits each	30 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	60 – 78 credits
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 – 60 credits
	Foundation Up to 4 subjects, 1 non-credit-bearing; 3 credits each for others <i>(for students from unrelated disciplines only)</i>	0 – 9 credits
	Scheme Compulsory 6 subjects, 3 credits each	18 credits
	Award-Specific Compulsory 9 subjects, 3 credits each	27 credits
	Elective 2 subjects, 3 credits each	6 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	60 – 78 credits

@ The Scheme curriculum is currently under review.

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

* 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 6 subjects)</i>	Applied Data Analytics
		Business Communication in Chinese
		Effective Professional Communication in English
		Integrated Study (Applied Sciences)
		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>	Information and Communication Technology
		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 3 subjects)</i>	Accounting for Decision Making
		Electronic Commerce Strategy and Implementation
		End of Life Issues
		Exercise Nutrition
		Introduction to Complementary and Alternative Medicine
		Nutrition and Life Cycle
		Psychology of Ageing
		Technology, Innovation and Entrepreneurship
Bachelor of Science (Honours) in Applied Sciences (Information Systems and Web Technologies)	Foundation <i>(for students from unrelated disciplines only)</i>	Computer Programming Concepts
		Introduction to Internet Technologies
		Introduction to Probability and Statistics
	Award-Specific Compulsory <i>(all 10 subjects)</i>	Computer Security
		Database Technologies and Management
		Electronic Commerce Strategy and Implementation
		Enterprise Cloud Computing
		Management Information Systems
		Multimedia Technology for the Internet
		Networking Fundamentals
		Software Engineering
		Web Application Development and Management
	Web Systems and Technologies	
	Elective[#] <i>(any 1 subject)</i>	Foundation of Animation
		Mobile Application Development
		Project Management
		Technology, Innovation and Entrepreneurship

Bachelor of Science (Honours) in Applied Sciences (Statistics and Data Science)	Foundation <i>(for students from unrelated disciplines only)</i>	Calculus
		Computer Programming Concepts
		Inferential Statistics <i>(non-credit-bearing)</i>
		Statistical Data Analysis
	Award-Specific Compulsory <i>(all 9 subjects)</i>	Data Structures and Algorithms
		Database Technologies and Management
		Decision Analysis
		Discrete Structures
		Forecasting and Applied Time Series Analysis
		Informatics
		Operations Research Methods
		Simulation
		Survey Sampling
	Elective[#] <i>(any 2 subjects)</i>	Advanced Calculus
		Applied Probability Models
		Big Data Analytics
		Computer Security
		Financial Management for Non-finance Specialists
		Networking Fundamentals
		Statistical Inference
Technology, Innovation and Entrepreneurship		
Web Application Development and Management		
Web Systems and Technologies		

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

Exit Award

Students who have completed the following requirements with satisfactory results may apply for an exit award of an ordinary degree:

Award	Requirements	No. of Credits	
Bachelor of Science in Applied Sciences (Health Studies)	General University Requirements (GUR)	9 – 18 credits	
	<i>Same as honours degree requirements</i>		
Bachelor of Science in Applied Sciences (Information Systems and Web Technologies)	Discipline Specific Requirements (DSR)	36 – 45 credits	
	Foundation		Up to 3 subjects, 3 credits each [For Bachelor of Science in Applied Sciences (Statistics and Data Science), there is 1 non-credit-bearing subject as well] <i>(for students from unrelated disciplines only)</i>
Bachelor of Science in Applied Sciences (Statistics and Data Science)	Scheme Compulsory	5 subjects, 3 credits each [All listed on p. 3 except “Integrated Study (Applied Sciences)”]	15 credits
	Award-Specific Compulsory	7 subjects, 3 credits each [The award-specific compulsory subjects for respective award as highlighted on p.3 – p.4]	21 credits
	Work Integrated Education (WIE)	Nil	
	<i>Same as honours degree requirements</i>		
	<i>Total</i>		45 – 63 credits