Program Information

 Academic Program:
 (334 new curriculum) B.Eng. in Financial Technology

 Academic Year:
 2024

Select Language: English

Study Scheme Learning Outcomes

Study Scheme

Financial Technology Applicable to students admitted in 2024-25

Major Programme Requirement				
Students are required to complete a minimum of 75 units of courses as follows:				
1.	Faculty Package: ENGG1110/ESTR1002, ENGG1120/ESTR1005, ENGG1130/ESTR1006	Units 9		
2.	Foundation Courses: CSCI1120/1130/ESTR1100/1102, ENGG2440/ESTR2004, ENGG2760/ESTR2018, ENGG2780/ESTR2020, MATH1510[a]	13		
3. (a)	Required Courses: CSCI2100#/ESTR2102, CSCI4130#/IERG4130#/ESTR4306, ECON2011#, FINA2310#, FTEC2101/ESTR2520, FTEC3001, 3002, SEEM 22500# JECTR2500 // JECTR2500 // JECTR2500	30		
(b)	SEEM2520#, SEEM3550#/ESTR3506, SEEM3590#/ESTR3509 Research Component Courses[b]:	6		
(c)	FTEC4998, 4999 Practicum Course: FTEC2602	1		
(d)	Legal Course: FTEC2001	2		
4. (a)	Elective Courses: At least 6 units from FTEC4001, 4002, 4003, 4005, 4006, 4007, 4008, IERG4004#	14		
(b)	Courses from at least 3 subject areas[c]: ACCT2111#, AIST4010#/ESTR4140, CSCI2040#, 2120#, CSCI3150#/ESTR3102, CSCI3160#/ESTR3104, CSCI3320#, CSCI4160#/ESTR4104, CSCI4180#/ESTR4106, CSCI4430#/IERG3310#/ESTR310/ESTR4120, ECON2021#[d], ENGG1820, FINA3020#, 3030#, 3070#, 3210#, 4010#, IERG4080#/ESTR4312, IERG4210#, MKTG4120#, SEEM3410#, SEEM4450#/ESTR3502, SEEM3570#/ESTR3508, SEEM3580#, SEEM4730#/ESTR4508			
	Total:	75		
	ition to fulfilling the above Major Programme Requirement, students m lves by taking the following stream offered by the Faculty:	ay also challenge		
Electiv	eering Leadership, Innovation, Technology and Entrepreneurship (EI e Courses:	LITE) Stream[e]		
15 unit i) ii)	s of courses[f]: 12 units of ESTR courses of which at most 6 units of courses at 1000 at least 6 units of courses at 3000 or 4000 level[g] 3 units of BMEG/CENG/CSCI/ELEG/ENGG/IERG/MAEG/SEEM			
E- 1	level[h]			
Explan 1.	atory Notes: ENGG, ESTR and FTEC courses at 2000 and above level as well as will be included in the calculation of Major GPA for honours classif courses in the Faculty Package and Foundation Courses.			
[a]				
	 ii) JUPAS admittees without HKDSE Mathematics Extended Morequired to take MATH1020 concurrently with MATH1510. iii) Students who fail MATH1510 in Term 1 will have to retake the tot retake the tot retake the statement of the statement o			

- iii) Students who fail MATH1510 in Term 1 will have to retake the course in Term 2. The pre-assigned course, ENGG1130, will also be dropped.
- [b] Students who have declared to specialize in the ELITE Stream will be required to complete 6 units of ESTR4998 and 4999 to substitute for FTEC4998 and 4999. These 6 units cannot be used to fulfill the Elective Courses requirement of the ELITE Stream.
- [c] ESTR courses will be counted as their reciprocal departmental subject areas.
- [d] Students who intend to pursue the Bachelor of Engineering (Financial Technology) and Bachelor of Business Administration (Integrated BBA Programme) Double Degree Option should not take the elective course ECON2021 because the required course DOTE1040 of the Integrated BBA Programme is not for students who have taken

	ECON2021.
[e]	Details of the entrance and coursework requirements, and declaration procedures for the ELITE Stream can be found at the ELITE website (<u>www.erg.cuhk.edu.hk/elite</u>). Non-ELITE Engineering students may be allowed to take ESTR courses. Students are
	required to seek approval from their respective Major Programmes for using ESTR courses taken to fulfill the Major Programme Requirement. Details are available at the ELITE website.
[f]	Students can use up to 9 units of courses which have been taken to fulfill the requirements of items 1 to 4 above to fulfill the elective requirements of the ELITE

- Stream. Item 3(b) Research Component Courses will not be included in these 9 units. A full list of ESTR courses is available at the ELITE website. [g] Students can use BMEG/CENG/CSCI/ELEG/ENGG/IERG/MAEG/SEEM courses at
- [g] Students can use BMEG/CENG/CSCI/ELEG/ENGG/IERG/MAEG/SEEM courses at 5000 level to substitute for ESTR courses at 3000 or 4000 level, subject to the approval of the Stream Director and the Associate Dean (Education).
- [h] The requirement of at least 3 units of Engineering courses at 5000 level is a requirement for the ELITE Stream only. It should not be interpreted as a requirement of the Major Programme.

	Recommended Course Pattern	Units
First Year of Attendance	1 st term Faculty Package: Major Required: FINA2310, MATH1510 Major Elective(s):	6
	2 nd term Faculty Package: ENGG1110/ESTR1002,	9
	ENGG1120/ESTR1005, ENGG1130/ESTR1006 Major Required: ECON2011 Major Elective(s):	3
Second Year of Attendance	1 st term Major Required: CSCI1120/1130/ESTR1100/1102, ENGG2440/ESTR2004, ENGG2760/ESTR2018, SEEM2520 Major Elective(s):	11
	2 nd term Major Required: CSCI2100/ESTR2102, ENGG2780/ESTR2020, FTEC2001, FTEC2101/ESTR2520, FTEC2602 Major Elective(s):	11
Third Year of Attendance	1 st term Major Required: CSCI4130/IERG4130/ESTR4306, FTEC3001 or 3002, SEEM3590/ESTR3509 Major Elective(s):	9
	2 nd term Major Required: FTEC3001 or 3002, SEEM3550/ESTR3506 Major Elective(s): 1 course	6 3
Fourth Year of Attendance	1 st term Major Required: FTEC4998 Major Elective(s): 2 courses	3 6
	2 nd term Major Required: FTEC4999 Major Elective(s): 2 courses	3 5
	Total (including Faculty Package):	75

	Recommended Course Pattern for CUHK students in	Units
	fulfillment of requirements of the DDP with Peking	Onits
	1 0	
	University (PKU) (BSc in Financial Mathematics)	
First Year of	Faculty Package: 2 courses	At least 32
Attendance	Major Required: MATH1510	units including
(Study at PKU)	University Core: 2 PHED courses	courses to be
Second Year of	Faculty Package: 1 course	transferred to
Attendance	Major Required: CSCI2100/ESTR2102, ECON2011,	CUHK[a]
(Study at PKU)	ENGG2760/ESTR2018, FINA2310, SEEM2520	
(University Core: 2 University GE courses of 4 units (in Areas	
	A and C)[b]	
Third Year of	1 st term[c]	
Attendance	Major Required: CSCI1120/1130/ESTR1100/1102,	9
(Study at	CSCI4130/IERG4130/ESTR4306[d], ENGG2440/ESTR2004	,
CUHK)	University Core: CHLT1001, ELTU1001 or 1002,	9
,	ENGG1004	,
	2 nd term	
	Major Required: ENGG2780/ESTR2020, FTEC2001[d],	14
	FTEC2101/ESTR2520[f], FTEC2602, FTEC3001 or 3002[d],	
	SEEM3550/ESTR3506[d]	
	University Core: CHLT1002, 0-1 College GE course [d][g], 0-	4
	2 courses from Understanding China and Hong Kong in the	
	Wider Constitutional Order	
	Summer Session	
	University Core: 1 UGFH/UGFN course[d]	3

8/7/2

	h Year of	1 st term			Program Informa
Atten Stud	dance	Major Required: FTEC300)1 or 3002[d], FTEC	4998[h],	9
CUHI	· · · · · · · · · · · · · · · · · · ·	SEEM3590/ESTR3509 Major Elective(s): 1 course	e[e]		3
	, .	University Core: ELTU3x		urse[d][g], 0-2	5-6
		courses from Understandir		Kong in the	
		Wider Constitutional Orde	r		
		2 nd term Major Required: FTEC499)0[h]		2
		Major Elective(s): 4 course			3 12
		University Core: 1 UGFH/			3
		×		ken at CUHK:	74-75
		Units taken a	t PKU and recogniz	zed by CUHK: Total:	32 106-107[e][i]
Expla	natory Notes:			Iotai.	
[a]	Mutual reco	gnition of courses: CUHK	requirement to be f	ulfilled by PKU o	courses
	CUHK Co	urses		PKU Courses	
	ENGG1110			Intro to Compu	
	ENGG112			Advanced Alge	
	ENGG113 ENGG276			Mathematical A Probability The	
	MATH151	0 Calculus for Engine		Mathematical A	
	CSCI2100			Data Structures	
	ECON201 FINA2310			Microeconomic Corporate Finar	
	SEEM2520				
[b]	CUHK stud	ents can take the followi	ng General Educati	on Courses offer	red by PKU and
		courses and units tow			
		ts of CUHK in Areas A an CUHK before graduation a			
		ndergraduate Studies for d			
	Designated PKU	d courses offered by	Recommendation	s from OUGE	
	2033530	Ancient Chinese	The course can be	considered as an	equivalent
		Culture	course of UGEA2		
			<i>Culture</i> (3 units), a A can be granted.	and exemption of	3 units in Area
		History of Chinese			
	3032360	Thistory of Chinese	The course can be	considered as an	equivalent
	3032360	Culture	course of UGEA2		ion to Chinese
	3032360		course of UGEA2 <i>Culture</i> (3 units), a	110 An Introducti	ion to Chinese
			course of UGEA2 <i>Culture</i> (3 units), a A can be granted.	110 An Introducti and exemption of	<i>ion to Chinese</i> 3 units in Area
	2131110	Culture Politics and Culture in Traditional China	course of UGEA2 <i>Culture</i> (3 units), a A can be granted. The course can be units in Area A.	110 An Introducti and exemption of considered for ex	ion to Chinese 3 units in Area compting 3
		Culture Politics and Culture in Traditional China The Historical	course of UGEA2 <i>Culture</i> (3 units), a A can be granted. The course can be units in Area A. The course can be	110 An Introducti and exemption of considered for ex	ion to Chinese 3 units in Area compting 3
	2131110	Culture Politics and Culture in Traditional China The Historical Geography of China	course of UGEA2 <i>Culture</i> (3 units), a A can be granted. The course can be units in Area A. The course can be units in Area A.	110 An Introducti and exemption of considered for ex- considered for ex-	ion to Chinese 3 units in Area exempting 3 exempting 3
	2131110	Culture Politics and Culture in Traditional China The Historical	course of UGEA2 <i>Culture</i> (3 units), a A can be granted. The course can be units in Area A. The course can be units in Area A. The course can be units in Area C.	110 An Introducti and exemption of considered for ex- considered for ex- considered for ex-	ion to Chinese 3 units in Area compting 3 compting 3 compting 3
	2131110	Culture Politics and Culture in Traditional China The Historical Geography of China American Culture and	course of UGEA2 <i>Culture</i> (3 units), a A can be granted. The course can be units in Area A. The course can be units in Area A. The course can be units in Area C.	110 An Introducti and exemption of considered for ex- considered for ex- considered for ex-	ion to Chinese 3 units in Area compting 3 compting 3 compting 3
	2131110 1339320 2431560	Culture Politics and Culture in Traditional China The Historical Geography of China American Culture and Society	course of UGEA2 <i>Culture</i> (3 units), a A can be granted. The course can be units in Area A. The course can be units in Area A. The course can be units in Area C. The course can be units in Area C.	110 An Introduction and exemption of considered for ex- considered for ex- considered for ex- considered for ex-	ion to Chinese 3 units in Area compting 3 compting 3 compting 3 compting 3
	2131110 1339320 2431560	Culture Politics and Culture in Traditional China The Historical Geography of China American Culture and Society	course of UGEA2 <i>Culture</i> (3 units), a A can be granted. The course can be units in Area A. The course can be units in Area A. The course can be units in Area C.	110 An Introduction and exemption of considered for ex- considered for ex- considered for ex- considered for ex- overlapping in co-	ion to Chinese 3 units in Area compting 3 compting 3 compting 3 compting 3 compting 3 compting 3 compting 3
	2131110 1339320 2431560	Culture Politics and Culture in Traditional China The Historical Geography of China American Culture and Society	course of UGEA2 <i>Culture</i> (3 units), a A can be granted. The course can be units in Area A. The course can be units in Area A. The course can be units in Area C. The course can be units in Area C. Due to significant with UGEC1209 7 <i>Introduction to Wo</i>	110 An Introduction and exemption of considered for ex- considered for ex- considered for ex- considered for ex- considered for ex- overlapping in co <i>Chinking Gender:</i> <i>men's and Gender</i>	ion to Chinese 3 units in Area compting 3 compting 3 compting 3 compting 3 compting 3 course content An er Studies,
	2131110 1339320 2431560 3130280	Culture Politics and Culture in Traditional China The Historical Geography of China American Culture and Society Gender Studies	course of UGEA2 <i>Culture</i> (3 units), a A can be granted. The course can be units in Area A. The course can be units in Area A. The course can be units in Area C. The course can be units in Area C. Due to significant with UGEC1209 <i>T</i> <i>Introduction to Wo</i> course restriction of	110 An Introduction and exemption of considered for ex- considered for ex- considered for ex- considered for ex- overlapping in cc <i>Chinking Gender:</i> <i>men's and Gende</i> of UGEC1209 sha	ion to Chinese 3 units in Area compting 3 compting 3 compting 3 compting 3 course content An er Studies, all apply.
	2131110 1339320 2431560	Culture Politics and Culture in Traditional China The Historical Geography of China American Culture and Society	course of UGEA2 <i>Culture</i> (3 units), a A can be granted. The course can be units in Area A. The course can be units in Area A. The course can be units in Area C. The course can be units in Area C. Due to significant with UGEC1209 7 <i>Introduction to Wo</i>	110 An Introduction and exemption of considered for ex- considered for ex- considered for ex- considered for ex- overlapping in cc <i>Chinking Gender:</i> <i>men's and Gende</i> of UGEC1209 sha	ion to Chinese 3 units in Area compting 3 compting 3 compting 3 compting 3 course content An er Studies, all apply.
	2131110 1339320 2431560 3130280	Culture Politics and Culture in Traditional China The Historical Geography of China American Culture and Society Gender Studies Global Cultural Geography Inter-cultural	course of UGEA2 <i>Culture</i> (3 units), a A can be granted. The course can be units in Area A. The course can be units in Area A. The course can be units in Area C. The course can be units in Area C. Due to significant with UGEC1209 <i>T</i> <i>Introduction to Wo</i> course restriction of The course can be units in Area C.	110 An Introducti and exemption of considered for ex- considered for ex- considered for ex- considered for ex- overlapping in cc <i>Chinking Gender:</i> <i>men's and Gende</i> of UGEC1209 shi considered for ex-	ion to Chinese 3 units in Area compting 3 compting 3 compting 3 compting 3 compting 3 course content <i>An</i> <i>er Studies</i> , all apply. compting 3
	2131110 1339320 2431560 3130280 1339180 1831990	Culture Politics and Culture in Traditional China The Historical Geography of China American Culture and Society Gender Studies Global Cultural Geography Inter-cultural Communication	course of UGEA2 <i>Culture</i> (3 units), a A can be granted. The course can be units in Area A. The course can be units in Area A. The course can be units in Area C. The course can be units in Area C. Due to significant with UGEC1209 7 <i>Introduction to Wo</i> course restriction of The course can be units in Area C. The course can be units in Area C.	110 An Introduction and exemption of considered for ex- considered for ex- considered for ex- considered for ex- overlapping in cc- hinking Gender: men's and Gender of UGEC1209 sha considered for ex- considered for ex-	ion to Chinese 3 units in Area compting 3 compting 3 compting 3 compting 3 course content <i>An</i> <i>er Studies</i> , all apply. compting 3 compting 3
[c]	2131110 1339320 2431560 3130280 1339180 1831990 Students tak	Culture Politics and Culture in Traditional China The Historical Geography of China American Culture and Society Gender Studies Global Cultural Geography Inter-cultural	course of UGEA2 <i>Culture</i> (3 units), a A can be granted. The course can be units in Area A. The course can be units in Area A. The course can be units in Area C. The course can be units in Area C. Due to significant with UGEC1209 7 <i>Introduction to Wo</i> course restriction of The course can be units in Area C. The course can be units in Area C.	110 An Introduction and exemption of considered for ex- considered for ex- considered for ex- considered for ex- overlapping in cc- hinking Gender: men's and Gender of UGEC1209 sha considered for ex- considered for ex-	ion to Chinese 3 units in Area compting 3 compting 3 compting 3 compting 3 course content <i>An</i> <i>er Studies</i> , all apply. compting 3 compting 3
	2131110 1339320 2431560 3130280 1339180 1831990 Students tak Registrar. Courses take	Culture Politics and Culture in Traditional China The Historical Geography of China American Culture and Society Gender Studies Global Cultural Geography Inter-cultural Communication ing a term load exceedin en at CUHK can be transfe	course of UGEA2 <i>Culture</i> (3 units), a A can be granted. The course can be units in Area A. The course can be units in Area A. The course can be units in Area A. The course can be units in Area C. The course can be units in Area C. Due to significant with UGEC1209 1 <i>Introduction to Wo</i> course restriction of The course can be units in Area C. The course can be units in Area C. The course can be units in Area C. g the maximum will erred to fulfill 19 un	110 An Introduction and exemption of considered for ex- considered for ex- considered for ex- considered for ex- considered for ex- overlapping in cc <i>Thinking Gender:</i> <i>men's and Gender</i> of UGEC1209 shi considered for ex- considered for ex-	ion to Chinese 3 units in Area compting 3 compting 3 compting 3 compting 3 course content <i>An</i> <i>er Studies</i> , all apply. compting 3 compting 3 compting 3 compting 3
	2131110 1339320 2431560 3130280 1339180 1831990 Students tak Registrar. Courses take Elective Courses take	Culture Politics and Culture in Traditional China The Historical Geography of China American Culture and Society Gender Studies Global Cultural Geography Inter-cultural Communication ing a term load exceedin	course of UGEA2 <i>Culture</i> (3 units), a A can be granted. The course can be units in Area A. The course can be units in Area A. The course can be units in Area A. The course can be units in Area C. The course can be units in Area C. Due to significant with UGEC1209 1 <i>Introduction to Wo</i> course restriction of The course can be units in Area C. The course can be units in Area C. The course can be units in Area C. g the maximum will erred to fulfill 19 un	110 An Introduction and exemption of considered for ex- considered for ex- considered for ex- considered for ex- considered for ex- overlapping in cc <i>Thinking Gender:</i> <i>men's and Gender</i> of UGEC1209 shi considered for ex- considered for ex-	ion to Chinese 3 units in Area compting 3 compting 3 compting 3 compting 3 course content <i>An</i> <i>er Studies</i> , all apply. compting 3 compting 3 compting 3 compting 3
[d]	2131110 1339320 2431560 3130280 1339180 1831990 Students tak Registrar. Courses take Elective Coi at PKU.	Culture Politics and Culture in Traditional China The Historical Geography of China American Culture and Society Gender Studies Global Cultural Geography Inter-cultural Communication cing a term load exceedin en at CUHK can be transfurses of the requirements	course of UGEA2 <i>Culture</i> (3 units), a A can be granted. The course can be units in Area A. The course can be units in Area A. The course can be units in Area C. The course can be units in Area C. Due to significant with UGEC1209 7 <i>Introduction to Wo</i> course restriction of The course can be units in Area C. The course can be units in Area C.	110 An Introduction and exemption of considered for ex- considered for ex- considered for ex- considered for ex- considered for ex- overlapping in cc <i>Thinking Gender:</i> <i>men's and Gende</i> of UGEC1209 shi considered for ex- considered for ex- considered for ex- l need to seek ap- its of General Ed Science in Finance	ion to Chinese 3 units in Area compting 3 compting 3 compting 3 compting 3 compting 3 course content <i>An</i> <i>er Studies</i> , all apply. compting 3 compting 3 compting 3 compting 3 compting 3
[d]	2131110 1339320 2431560 3130280 1339180 1831990 Students tak Registrar. Courses take Elective Con at PKU. In addition t	Culture Politics and Culture in Traditional China The Historical Geography of China American Culture and Society Gender Studies Global Cultural Geography Inter-cultural Communication ing a term load exceedin en at CUHK can be transfe	course of UGEA2 <i>Culture</i> (3 units), a A can be granted. The course can be units in Area A. The course can be units in Area A. The course can be units in Area C. The course can be units in Area C. Due to significant with UGEC1209 7 <i>Introduction to Wo</i> course restriction of The course can be units in Area C. The course can be units in Area C.	110 An Introduction and exemption of considered for ex- considered for ex- considered for ex- considered for ex- considered for ex- overlapping in cc <i>Thinking Gender:</i> <i>men's and Gender</i> of UGEC1209 shi considered for ex- considered for ex- considered for ex- ll need to seek ap- its of General Ed Science in Finan- to take another 2	ion to Chinese 3 units in Area compting 3 compting 3 compting 3 compting 3 compting 3 course content <i>An</i> <i>er Studies</i> , all apply. compting 3 compting 3 c
[d]	2131110 1339320 2431560 3130280 1339180 1339180 1831990 Students tak Registrar. Courses tako Elective Courses tako Elective Courses tako In addition t in order to f Science in F	Culture Politics and Culture in Traditional China The Historical Geography of China American Culture and Society Gender Studies Global Cultural Geography Inter-cultural Communication cing a term load exceedin en at CUHK can be transfurses of the requirements to the 5 elective courses, s ulfil 18 units of Selected inancial Mathematics at F	course of UGEA2 <i>Culture</i> (3 units), a A can be granted. The course can be units in Area A. The course can be units in Area A. The course can be units in Area A. The course can be units in Area C. The course can be units in Area C. Due to significant with UGEC1209 <i>T</i> <i>Introduction to Wo</i> course restriction of The course can be units in Area C. The course can be units in Area C. g the maximum will erred to fulfill 19 un of the Bachelor of tudents are required Major Courses of th PKU. In this connect	110 An Introduction and exemption of considered for ex- considered for ex- for ex- considered for ex- considered for ex- for	ion to Chinese 3 units in Area compting 3 compting 3 compting 3 compting 3 compting 3 course content <i>An</i> <i>er Studies</i> , all apply. compting 3 pproval from the lucation and Free cial Mathematics B units of courses f the Bachelor of
[d] [e]	2131110133932024315603130280313028013391801831990Students tak Registrar. Courses take Elective Con at PKU. In addition t in order to f Science in F of 109 to 110	Culture Politics and Culture in Traditional China The Historical Geography of China American Culture and Society Gender Studies Global Cultural Geography Inter-cultural Communication cing a term load exceedin en at CUHK can be transfurses of the requirements to the 5 elective courses, s ulfil 18 units of Selected Cinancial Mathematics at H 0 units (instead of 106 to 10	course of UGEA2 <i>Culture</i> (3 units), a A can be granted. The course can be units in Area A. The course can be units in Area A. The course can be units in Area C. The course can be units in Area C. Due to significant with UGEC1209 <i>T</i> <i>Introduction to Wo</i> course restriction of The course can be units in Area C. The course can be units in Area C. g the maximum will erred to fulfill 19 un of the Bachelor of tudents are required Major Courses of th PKU. In this connec	110 An Introduction and exemption of considered for ex- considered for ex- considered for ex- considered for ex- considered for ex- considered for ex- considered for ex- f UGEC1209 shi considered for ex- considered for ex- to take another 3 e requirements of ction, students ne	ion to Chinese 3 units in Area compting 3 compting 3 compting 3 compting 3 course content <i>An</i> <i>er Studies</i> , all apply. compting 3 compting 4 compting 4 c
[d] [e]	2131110133932024315603130280133918013391801831990Students tak Registrar. Courses take Elective Con at PKU. In addition to in order to f Science in F of 109 to 114 FTEC2101/1	Culture Politics and Culture in Traditional China The Historical Geography of China American Culture and Society Gender Studies Global Cultural Geography Inter-cultural Communication ing a term load exceedin en at CUHK can be transfurses of the requirements o the 5 elective courses, s ulfil 18 units of Selected inancial Mathematics at I 0 units (instead of 106 to 1 ESTR2520 Optimization I	course of UGEA2 <i>Culture</i> (3 units), a A can be granted. The course can be units in Area A. The course can be units in Area A. The course can be units in Area A. The course can be units in Area C. The course can be units in Area C. Due to significant with UGEC1209 <i>T</i> <i>Introduction to Wo</i> course restriction <i>co</i> <i>Course restriction to Wo</i> course restriction <i>to</i> <i>Course restriction to Wo</i> course restriction <i>to</i> <i>Course restriction to Wo</i> course restriction <i>to</i> <i>Course can be</i> units in Area C. The course can be units in Area C. g the maximum will erred to fulfill 19 un of the Bachelor of tudents are required Major Courses of th <i>XU</i> . In this conner <i>LOT</i> units) at CUHK.	110 An Introduction and exemption of considered for ex- considered for ex- considered for ex- considered for ex- considered for ex- considered for ex- considered for ex- funking Gender: men's and Gender of UGEC1209 shi considered for ex- considered for ex- considered for ex- considered for ex- l need to seek ap- its of General Ed Science in Finan- to take another 3 e requirements of ction, students ne-	ion to Chinese 3 units in Area compting 3 compting 3 compting 3 compting 3 compting 3 course content <i>An</i> <i>er Studies</i> , all apply. compting 3 compting 3 c
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	Recommended Course Pattern for PKU students in fulfillment of requirements of the DDP with CUHK (BEng in Financial Technology)	Units
Attendance	Faculty Package: 2 courses Major Required: MATH1510 University Core: 1 PHED courses	At least 27 units including courses to be

Browse Program Information

ittenu	l Year of lance	Faculty Package: 1 course Major Required: CSCI210		J2011.	transferred to CUHK[a]		
Study	at PKU)	ENGG2760/ESTR2018, F			connela		
	Year of	1 st term					
Attend		Major Required: CSCI112	20/1130/ESTR1100/1	102,	9		
(Study at CUHK)		CSCI4130/IERG4130/ES			ŕ		
		Major Elective(s): 2 cours	ses[c]		6		
		2 nd term					
		Major Required: ENGG27			14		
		FTEC2101/ESTR2520[d]		001 or 3002[b],			
		SEEM3550/ESTR3506[b] University Core: 1 UGFH			3		
Fourth	Year of	1 st term			5		
Attend		1 st term Major Required: FTEC30	01 an 2002[b] ETEC	4009[_]	9		
(Study	at	SEEM3590/ESTR3509	01 01 5002[0], FILC	4990[0],	9		
CUHK	()	University Core: ELTU3x	xx, 1 College GE co	urse[b][f],	5-6		
		Understanding China or H	long Kong in the Wie	ler			
		Constitutional Order					
		2 nd term					
		Major Required: FTEC49			3		
		Major Elective(s): 3 cours		moofb][~]	9		
		University Core: 1 Univer Understanding China or H			3		
		Constitutional Order	iong itong in the wit	101			
			Units ta	aken at CUHK:	61-62		
		Units taken	at PKU and recogni		27		
				Total:	88-89 [h]		
	atory Notes						
[a]	Mutual rec	ognition of courses: CUHk	K requirement to be f	ulfilled by PKU co	ourses		
	CUHK C	Courses		PKU Courses			
	ENGG11	6,0		Intro to Computi			
	ENGG11	Ũ		Advanced Algeb			
	ENGG11	θ					
	ENGG27 MATH15	, ,		Probability Theo Mathematical Ar			
	CSCI210		2018	Data Structures	larysis 1, 11		
	ECON20						
	FINA231			ce			
	SEEM25			Introduction to F			
	Courses to	ken at CUHK can be transf		its of General Edu	loation and Fre		
[b]		Elective Courses of the requirements of the Bachelor of Science in Finance					
[b]	Elective C	ourses of the requirements	of the Bachelor of	Science in Financ			
[b]	Elective C at PKU.	1			ial Mathematic		
[b] [c]	Elective C at PKU. In additior	to the 5 elective courses, s	students are required	to take another 3	ial Mathematic units of course		
	Elective C at PKU. In addition in order to	to the 5 elective courses, s fulfil 18 units of Selected	students are required Major Courses of th	to take another 3 e requirements of	ial Mathematic units of course the Bachelor of		
	Elective C at PKU. In additior in order to Science in of 91 to 92	to the 5 elective courses, s fulfil 18 units of Selected Financial Mathematics at 2 units (instead of 88 to 89 u	students are required Major Courses of th PKU. In this connec units) at CUHK.	to take another 3 e requirements of tion, students nee	ial Mathematic units of course the Bachelor of to take a tota		
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[c] [d] [f]	Elective C at PKU. In addition in order to Science in of 91 to 92 FTEC2101 units of M Mathemati FTEC4998 Thesis of t The recom students' C The 2 un Foundation that the Pk is a list of Designat PKU	a to the 5 elective courses, so fulfil 18 units of Selected Financial Mathematics at units (instead of 88 to 89 u l/ESTR2520 Optimization fajor Core Course of the n ics at PKU. 8 and 4999 taken at CUHK he requirements of the Bach amended course pattern of College affiliation. its of University GE Area n course (viz. completing E CU students would have tak pre-approved GE courses of ed courses offered by Ancient Chinese Culture History of Chinese	students are required Major Courses of th PKU. In this connect units) at CUHK. Methods taken at CU requirements of the Can be transferred the helor of Science in F of College GE cours a A course can be BOTH of the GE Fou ten course(s) relevant ffered by PKU relevant ffered b	to take another 3 e requirements of tion, students nee UHK can be transf Bachelor of Scien o fulfill 3 units of inancial Mathema ses varies slightly replaced by an ndation courses) to Area A in PKU int to Area A. 5 from OUGE considered as an e 10 <i>An Introductio</i> and exemption of 3	ial Mathematic units of course the Bachelor of d to take a tota erred to fulfill nee in Financia f the Graduatic tics at PKU. y depending of additional G on the conditic J. The followin quivalent n to Chinese units in Area quivalent		
[c] [d] [f]	Elective C at PKU. In additior in order to Science in of 91 to 92 FTEC2101 units of M Mathemati FTEC4998 Thesis of t The recon students' C The 2 un Foundation that the Pk is a list of Designat PKU 2033530	a to the 5 elective courses, so fulfil 18 units of Selected Financial Mathematics at 2 units (instead of 88 to 89 u l/ESTR2520 Optimization fajor Core Course of the n ics at PKU. 8 and 4999 taken at CUHK he requirements of the Bac amended course pattern of College affiliation. its of University GE Are n course (viz. completing E CU students would have tak pre-approved GE courses of ed courses offered by Ancient Chinese Culture	students are required Major Courses of th PKU. In this connect units) at CUHK. Methods taken at CU requirements of the can be transferred the helor of Science in F f College GE course a A course can be 30TH of the GE Fou- ten course(s) relevant ffered by PKU relevant ffered	to take another 3 e requirements of tion, students nee UHK can be transf Bachelor of Scien o fulfill 3 units of inancial Mathema ses varies slightly replaced by an ndation courses) to Area A in PKU unt to Area A. 5 from OUGE considered as an e 10 <i>An Introductio</i> nd exemption of 3	ial Mathematic units of course the Bachelor of d to take a tota erred to fulfill nee in Financia f the Graduatic tics at PKU. y depending of additional G on the conditic J. The followin quivalent n to Chinese quivalent n to Chinese		
[c] [d] [f]	Elective C at PKU. In additior in order to Science in of 91 to 92 FTEC2101 units of M Mathemati FTEC4998 Thesis of t The recon students' C The 2 un Foundation that the Pk is a list of Designat PKU 2033530	a to the 5 elective courses, so fulfil 18 units of Selected Financial Mathematics at units (instead of 88 to 89 u l/ESTR2520 Optimization fajor Core Course of the n ics at PKU. 8 and 4999 taken at CUHK he requirements of the Bach amended course pattern of College affiliation. its of University GE Area n course (viz. completing E CU students would have tak pre-approved GE courses of ed courses offered by Ancient Chinese Culture History of Chinese	students are required Major Courses of th PKU. In this connect units) at CUHK. Methods taken at CU requirements of the can be transferred the helor of Science in Fi f College GE course a A course can be BOTH of the GE Four- ten course(s) relevant ffered by PKU relevant ffere	to take another 3 e requirements of tion, students nee UHK can be transf Bachelor of Scien o fulfill 3 units of inancial Mathema ses varies slightly replaced by an ndation courses) to Area A in PKU unt to Area A. 5 from OUGE considered as an e 10 <i>An Introductio</i> nd exemption of 3	ial Mathematic units of course the Bachelor of d to take a tota erred to fulfill nee in Financia f the Graduatic tics at PKU. y depending of additional G on the conditic J. The followin quivalent n to Chinese quivalent n to Chinese		
[c] [d] [f]	Elective C at PKU. In additior in order to Science in of 91 to 92 FTEC2101 units of M Mathemati FTEC4998 Thesis of t The recon students' C The 2 un Foundation that the Pk is a list of Designat PKU 2033530	a to the 5 elective courses, so fulfil 18 units of Selected Financial Mathematics at units (instead of 88 to 89 u l/ESTR2520 Optimization fajor Core Course of the n ics at PKU. 8 and 4999 taken at CUHK he requirements of the Bach amended course pattern of College affiliation. its of University GE Area n course (viz. completing E CU students would have tak pre-approved GE courses of ed courses offered by Ancient Chinese Culture History of Chinese	students are required Major Courses of th PKU. In this connect units) at CUHK. Methods taken at CU requirements of the can be transferred the helor of Science in F f College GE course a A course can be 30TH of the GE Fou- ten course(s) relevant ffered by PKU relevant ffered	to take another 3 e requirements of tion, students nee UHK can be transf Bachelor of Scien o fulfill 3 units of inancial Mathema ses varies slightly replaced by an ndation courses) of to Area A in PKU unt to Area A. 5 from OUGE considered as an e 10 <i>An Introductio</i> nd exemption of 3	ial Mathematic units of course the Bachelor of do to take a tota erred to fulfill nee in Financia f the Graduatic tics at PKU. y depending of additional G on the conditic J. The followin quivalent n to Chinese f units in Area		
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[c] [d] [f]	Elective C at PKU. In additior in order to Science in of 91 to 92 FTEC2101 units of M Mathematis FTEC4998 Thesis of t The recon students' C The 2 un Foundation that the Pk is a list of Designat PKU 2033530 3032360	a to the 5 elective courses, so fulfil 18 units of Selected Financial Mathematics at 2 units (instead of 88 to 89 ul/ESTR2520 Optimization fajor Core Course of the network of the Pace of the requirements of the Back and 4999 taken at CUHK he requirements of the Back mended course pattern of course affiliation. The fit of University GE Are a course (viz. completing E CU students would have tak pre-approved GE courses of ed courses offered by Ancient Chinese Culture History of Chinese Culture Politics and Culture in Politics and Culture in the politics and Culture in the present of the part of the pa	students are required Major Courses of th PKU. In this connect units) at CUHK. Methods taken at CU requirements of the can be transferred thelor of Science in Fi f College GE course a A course can be BOTH of the GE Fou ten course(s) relevant ffered by PKU relevant ffered by	to take another 3 e requirements of tion, students nee UHK can be transf Bachelor of Scien o fulfill 3 units of inancial Mathema ses varies slightly replaced by an ndation courses) of to Area A in PKU ant to Area A. 5 from OUGE considered as an e 10 <i>An Introductio</i> nd exemption of 3 considered for exe	ial Mathematic units of course the Bachelor of d to take a tota erred to fulfill nee in Financia f the Graduatic tics at PKU. y depending of additional G on the conditic J. The following quivalent n to Chinese a units in Area mpting 3 units		

Major Programme Requirement (for Associate Degree or Higher Diploma holders admitted to senior-year places)

Students are required to complete a minimum of 55 units of courses as follows:

Foundation Courses: CSCI1120/1130/ESTR1100/1102, ENGG2780/ESTR2020

1.

Units 7

ENGG2760/ESTR2018,

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2. (a)	Required Courses: CSCI2100#/ESTR2102, CSCI4130#/IERG4130#/ESTR4306,	24
	ECON2011#, FTEC2101/ESTR2520, FTEC3001, 3002, SEEM2520#, SEEM3550#/ESTR3506	
(b)	Research Component Courses[a]: FTEC4998, 4999	6
(c)	Practicum Course: FTEC2602	1
(d)	Legal Course: FTEC2001	2
3. (a) (b)	Elective Courses: At least 6 units from FTEC4003, 4007, 4008, IERG4004# Courses from at least 3 subject areas[b] outside FTEC: ACCT2111#, AIST4010#/ESTR4140, CSCI2040#, 2120#, CSCI3150#/ESTR3102, CSCI3160#/ESTR3104, CSCI3320#, CSCI4160#/ESTR4104, CSCI4180#/ESTR4106, CSCI4430#/IERG3310#/ESTR3310/ESTR4120, ECON2021#, ENGG1820, FINA2310#, 3020#, 3030#, 3070#, 3210#, 4010#, FTEC4001, 4002, 4005, 4006, IERG4080#/ESTR4312, IERG4210#, MKTG4120#, SEEM3410#, SEEM3450#/ESTR3502, SEEM3570#/ESTR3508, SEEM3580#, SEEM3590#/ESTR3509, SEEM4730#/ESTR4508	15
	lotal:	55
	on to fulfilling the above Major Programme Requirement, students may a yes by taking the following stream offered by the Faculty:	lso challenge
Stream	ring Leadership, Innovation, Technology and Entrepreneurshic] Courses:	ip (ELITE)
	of courses[d]:	
i)	12 units of ESTR courses of which at most 6 units of courses at 1000 and at least 6 units of courses at 3000 or 4000 level[e]	or 2000 level
ii)	3 units of BMEG/CENG/CSCI/ELEG/ENGG/IERG/MAEG/SEEM cou level[f]	urses at 5000
Explana 1.	tory Notes: ENGG, ESTR and FTEC courses at 2000 and above level as well as those will be included in the calculation of Major GPA for honours classification courses in the Foundation Courses.	
[a]	Students who have declared to specialize in the ELITE Stream will b complete 6 units of ESTR4998 and 4999 to substitute for FTEC4998 and 6 units cannot be used to fulfill the Elective Courses requirement of	1 4999. These
[b]	Stream. ESTR courses will be counted as their reciprocal departmental subject are	
[c]	Details of the entrance and coursework requirements, and declaration p the ELITE Stream can be found at the ELITE website (<u>www.erg.cuhk.edu</u> Non-ELITE Engineering students may be allowed to take ESTR cours are required to seek approval from their respective Major Programm	<u>u.hk/elite</u>). es. Students
	ESTR courses taken to fulfill the Major Programme Requirement. available at the ELITE website.	Details are
[d]	Students can use up to 9 units of courses which have been taken requirements of items 1 to 3 above to fulfill the elective requirements of Stream. Item 2(b) Research Component Courses will not be include	of the ELITE
[e]	units. A full list of ESTR courses is available at the ELITE website. Students can use BMEG/CENG/CSCI/ELEG/ENGG/IERG/MAEG/SEE 5000 level to substitute for ESTR courses at 3000 or 4000 level, s approval of the Stream Director and the Associate Dean (Education).	M courses at
[f]	The requirement of at least 3 units of Engineering courses at 500 requirement for the ELITE Stream only. It should not be interpreted as a of the Major Programme.	
	Recommended Course Pattern (for Associate Degree or Higher Diploma holders admitted to senior-year places)	Units
First Year Attendanc	of 1 st term	11
	2 nd term Major Required: CSCI2100/ESTR2102, ENGG2780/ESTR2020, FTEC2001, FTEC2101/ESTR2520,	11

Major Required: CSCI4130/IERG4130/ESTR4306, FTEC3001 or 3002, FTEC4998

Major Required: FTEC3001 or 3002, FTEC4999, SEEM3550/ESTR3506

FTEC2602

1st term

2nd term

Second Year of

Attendance

Major Elective(s): 1 course

Major Elective(s): 2 courses

3

9

6

9

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	Total:	55
Financial	Technology and Integrated BBA Programme Double Major Programme	
Major F	Programme Requirement	
	are required to complete a minimum of 90 units of courses as follows:	Units
1.	Faculty Package: ENGG1120/ESTR1005, ENGG1130/ESTR1006, MGNT1020	9
2. (a)	Required Courses: <u>1st Major: Financial Technology</u>	40
	i) Foundation Courses: CSCI1120/1130/ESTR1100/1102, ENGG2440/ESTR2004 ENGG2760/ESTR2018, ENGG2780/ESTR2020, MATH1510[a]	,
	ii) Required Courses: CSCI2100#/ESTR2102, CSCI4130#/IERG4130#/ESTR4306 DOTE1030#, FINA2010#, FTEC2101/ESTR2520, FTEC3001[b]	
(b)	3002, SEEM3550#/ESTR3506, SEEM3590#[b]/ESTR3509[b] 2 nd Major: Integrated BBA Programme	26
	ACCT2111#, 2121, 2151#, DOTE1040#, 2030#, FTEC4003[b] IBBA3040#, MGNT2611, 4010, MKTG2010#	,
3. (a)	Elective Courses: <u>1st Major: Financial Technology</u>	3
	3 units from the following: FTEC4001, 4002, 4005, 4006, 4007, 4008, IERG4004#	
(b)	 2nd Major: Integrated BBA Programme[b] i) 3 units of DOTE/FINA/MGNT/MKTG courses at 2000 or above 	6
	level, excluding DOTE2011, 2051, 4220, FINA3080, 4110 MGNT2511, 2512 and courses taken for fulfilment of requiremen (ii) below	,
	ii) One course from the following: FINA3020, 3030, 3070, 3210, 4010	
4.	Research Component/ Capstone Course/ Final Year Project[c]: FTEC4998, 4999	6
	Total	: 90
	on to fulfilling the above Major Programme Requirement, students may res by taking the following stream offered by the Faculty of Engineering:	also challenge
Elective	ring Leadership, Innovation, Technology and Entrepreneurship (ELITE Courses:) Stream[d]
15 units i)	of courses[e]: 12 units of ESTR courses of which at most 6 units of courses at 1000 or 2	2000 level and
ii)	at least 6 units of courses at 3000 or 4000 level[f] 3 units of BMEG/CENG/CSCI/ELEG/ENGG/IERG/MAEG/SEEM con level[g]	urses at 5000
1	ory Notes: ENGC ESTE and ETEC courses at 2000 and above level as well as the	vo lobala i - "
1.	ENGG, ESTR and FTEC courses at 2000 and above level as well as thos will be included in the calculation of Major GPA for honours classificat courses in the Faculty Package and Foundation Courses.	
2. 3.	Students are not allowed to declare Minor in Business. Students should have gone through a selection process in order to be ad	imitted to this
[a]	 Double Major Programme. i) Non-JUPAS admittees and JUPAS admittees with HKDSE Extended Medules Lee II are required to attend a Mathematical 	
	Extended Modules I or II are required to attend a Mathematics F of the Faculty of Engineering. Students who fail or are ab Placement Test will be required to take MATH1020 in the sar	sent from the
	 they take MATH1510. ii) JUPAS admittees without HKDSE Mathematics Extended Modu 	iles I or II are
	 required to take MATH1020 concurrently with MATH1510. iii) Students who fail MATH1510 in Term 1 will have to retake the of 2. The pre-assigned course, ENGG1130, will also be dropped. 	course in Term
[b]	Courses taken to fulfill the requirements of items 2(a)(ii), 2(b) and 3(b) v fulfill the requirement of General Business Concentration of the In Programme.	
[c]	Students who have declared to specialize in the ELITE Stream will be complete 6 units of ESTR4998 and 4999 to substitute for FTEC4998 and	4999. These 6
[d]	units cannot be used to fulfill the Elective Courses requirement of the ELI' Details of the entrance and coursework requirements, and declaration proc ELITE Stream can be found at the ELITE website (<u>www.erg.cuhk.edu.hk/</u> Non-ELITE Engineering students may be allowed to take ESTR courses required to seek approval from their respective Major Programmes for	cedures for the elite). s. Students are r using ESTR
[e]	courses taken to fulfill the Major Programme Requirement. Details are a ELITE website. Students can use up to 9 units of courses which have been taken	to fulfill the
[f]	requirements of items 1 to 3 above to fulfill the elective requirements Stream. Item 4 Research Component/ Capstone Course/ Final Year Proj- included in these 9 units. A full list of ESTR courses is available at the EL Students can use BMEG/CENG/CSCI/ELEG/ENGG/IERG/MAEG/SEE	ect will not be .ITE website.
[¹]	students can use bined/CENG/CSCI/ELEG/ENG0/IERG/MAEG/SEE	

1		5000 level to substitute for ESTR courses at 3000 or 4000 level, subject to the approval
		of the Stream Director and the Associate Dean (Education) of the Faculty of
		Engineering.
	[0]	The requirement of at least 3 units of Engineering courses at 5000 level is a requirement

[g] The requirement of at least 3 units of Engineering courses at 5000 level is a requirement for the ELITE Stream only. It should not be interpreted as a requirement of the Double Major Programme.

	Recommended Course Pattern	Units
First Year of	1 st term	
Attendance	Faculty Package: MGNT1020	3
	Financial Technology Major Required: DOTE1030,	6
	MATH1510	
	Major Elective(s):	
	2 nd term	
	Faculty Package: ENGG1120/ESTR1005, ENGG1130/	6
	ESTR1006	
	Integrated BBA Major Required: DOTE1040, IBBA3040	4
	Major Elective(s):	
Second Year of	1 st term	
Attendance	Financial Technology Major Required: CSCI1120/1130/	8
	ESTR1100/1102, ENGG2440/ESTR2004, ENGG2760/	
	ESTR2018	
	Integrated BBA Major Required: ACCT2111	3
	Major Elective(s):	
	2 nd term	
	Financial Technology Major Required: CSCI2100/	11
	ESTR2102, ENGG2780/ESTR2020, FINA2010,	
	FTEC2101/ ESTR2520	
	Integrated BBA Major Required: ACCT2121	3
	Major Elective(s):	
Third Year of	1 st term	
Attendance	Financial Technology Major Required: CSCI4130/	9
	IERG4130/ESTR4306, FTEC3001 or 3002, SEEM3590/	
	ESTR3509	
	Integrated BBA Major Required: ACCT2151, DOTE2030	5
	Major Elective(s):	
	2 nd term	
	Financial Technology Major Required: FTEC3001 or 3002,	6
	SEEM3550/ESTR3506	
	Integrated BBA Major Required: MKTG2010	3
	Financial Technology Major Elective(s): 1 course	3
Fourth Year of	1 st term	
Attendance	Major Required: FTEC4998	3
	Integrated BBA Major Required: MGNT2611	2
	Integrated BBA Major Elective(s): 1 course	3
	2 nd term	
	Major Required: FTEC4999	3
	Integrated BBA Major Required: FTEC4003, MGNT4010	6
	Integrated BBA Major Elective(s): 1 course	3
	Total (including Faculty Package):	90

Bachelor of Engineering (Financial Technology) and Bachelor of Business Administration (Integrated BBA Programme) Double Degree Option

<u>1st Degree: Bachelor of Engineering (Financial Technology)</u>					
Major	Major Programme Requirement				
Studen	Units				
1.	Faculty Package: ENGG1110/ESTR1002, ENGG1120/ESTR1005, ENGG1130/ESTR1006	9			
2.	Foundation Courses: CSCI1120/1130/ESTR1100/1102, ENGG2440/ESTR2004, ENGG2760/ESTR2018, ENGG2780/ESTR2020, MATH1510[a]	13			
3. (a)	Required Courses: CSCI2100#/ESTR2102, ECON2011#, FINA2310#, FTEC2101/ESTR2520, FTEC3001, 3002, SEEM2520#, SEEM3550#/ESTR3506, SEEM3590#/ESTR3509	30			
(b)	Research Component Courses[b]: FTEC4998, 4999	6			
(c)	Practicum Course: FTEC2602	1			
(d)	Legal Course: FTEC2001	2			
4.	Elective Courses:	14			

a)	At least 6 units from FTEC4001, 4002, 4003, 4005, 4006, 4007, 4008, IERG4004#
b)	Courses from at least 3 subject areas[c]: ACCT2111#, AIST4010#/ESTR4140, CSCI2040#, 2120#, CSCI3150#/ESTR3102, CSCI3160#/ESTR3104, CSCI3320#,
	CSCI4160#/ESTR4104, CSCI4180#/ESTR4106,
	CSCI4430#/IERG3310#/ESTR3310/ESTR4120, ENGG1820,
	FINA3020#, 3030#, 3070#, 3210#, 4010#, IERG4080#/ESTR4312, IERG4210#, MKTG4120#, SEEM3410#, SEEM3450#/ESTR3502,
	SEEM3570#/ESTR3508, SEEM3580#, SEEM4730#/ESTR4508
	Total: 75
	on to fulfilling the above Major Programme Requirement, students may also challenge es by taking the following stream offered by the Faculty:
elective	ring Leadership, Innovation, Technology and Entrepreneurship (ELITE) Stream[d] Courses:
5 units (of courses[e]: 12 units of ESTR courses of which at most 6 units of courses at 1000 or 2000 level and
	at least 6 units of courses at 3000 or 4000 level[f]
i)	3 units of BMEG/CENG/CSCI/ELEG/ENGG/IERG/MAEG/SEEM courses at 5000 level[g]
1	ory Notes: ENCC ESTD and ETEC courses at 2000 and shave level as well as these level of #
	ENGG, ESTR and FTEC courses at 2000 and above level as well as those labeled as # will be included in the calculation of Major GPA for honours classification, excluding courses in the Faculty Package and Foundation Courses.
a]	i) Non-JUPAS admittees and JUPAS admittees with HKDSE Mathematics Extended Modules I or II are required to attend a Mathematics Placement Test.
	 Students who fail or are absent from the Placement Test will be required to take MATH1020 in the same term when they take MATH1510. ii) JUPAS admittees without HKDSE Mathematics Extended Modules I or II are
	required to take MATH1020 concurrently with MATH1510.
	iii) Students who fail MATH1510 in Term 1 will have to retake the course in Term2. The pre-assigned course, ENGG1130, will also be dropped.
b]	Students who have declared to specialize in the ELITE Stream will be required to complete 6 units of ESTR4998 and 4999 to substitute for FTEC4998 and 4999. These 6
al	units cannot be used to fulfill the Elective Courses requirement of the ELITE Stream. ESTR courses will be counted as their reciprocal departmental subject areas.
c] d]	Details of the entrance and coursework requirements, and declaration procedures for
L	the ELITE Stream can be found at the ELITE website (<u>www.erg.cuhk.edu.hk/elite</u>). Non-ELITE Engineering students may be allowed to take ESTR courses. Students are required to seek approval from their respective Major Programmes for using ESTR
	courses taken to fulfill the Major Programme Requirement. Details are available at the ELITE website.
e]	Students can use up to 9 units of courses which have been taken to fulfill the requirements of items 1 to 4 above to fulfill the elective requirements of the ELITE
	Stream. Item 3(b) Research Component Courses will not be included in these 9 units.
មា	A full list of ESTR courses is available at the ELITE website.
f]	Students can use BMEG/CENG/CSCI/ELEG/ENGG/IERG/MAEG/SEEM courses at 5000 level to substitute for ESTR courses at 3000 or 4000 level, subject to the approval
	of the Stream Director and the Associate Dean (Education).
g]	The requirement of at least 3 units of Engineering courses at 5000 level is a requirement for the ELITE Stream only. It should not be interpreted as a requirement
	of the Major Programme.
	nents for admission to the 2 nd degree programme Admission to the second degree programme is guaranteed if students have:
	 fulfilled all graduation requirements of the first degree programme; Major GPA of at least 3.0 upon completion of studies of the first degree programme (ERG); and
	iii. taken at least 30 relevant units, of which includes ELTU2014, ELTU3014 and mutually recognized courses by both the Engineering and Business Administration Faculties. In addition, students should have achieved a GPA of at
	least 3.0 in these courses while pursuing the first degree programme. For details of the mutually recognized courses, please refer to the explanatory notes on mutual recognition or exclusion.
	Students who do not satisfy the above requirements may still apply for admission to the second degree programme which has discretion to judge the suitability of the students for studying for the second degree programme through assessments like conducting interview, considering the recommendation from the first degree programme etc.
	Upon fulfillment of the requirements of the first degree programme, students can still

Browse Program Information

2nd Degree: Bachelor of Business Administration (Integrated BBA Programme)

Major Programme Requirement

8/7/24, 4:23 PM

1.	Faculty Package: DOTE1030, 1040, MGNT1020	Units 9		
2.	Required Courses: ACCT2111, 2121, 2151 or 3151[a], DOTE2011, 2030, 2051, FINA2010, IBBA3040, MGNT2511, 2512, 2611, 4010, MKTG2010	32-33		
3.	Elective Courses (Concentration): Students must choose at least one concentration and take five or six courses among the courses prescribed under respective concentration	15-18		
(a)	 area as follows: Business Economics (i) DOTE2021, 4110; (ii) two courses selected from: DOTE3000, 3011, 3030, 3050, 			
	 (ii) 3080, 3090, 4040, 4080; and (iii) one DOTE course at 3000 or above level, excluding the courses taken for fulfillment of requirement (i) or (ii) 			
(b)	Business Analytics (i) DOTE2021, 2040, 4020; (ii) one course selected from: DOTE4070, 4240, 4260; and (iii) one course selected from: DOTE3030, 4030, 4110, 4220,			
	4280, MKTG4120			
(c)	Finance (i) DOTE2021 or FINA2020; and (ii) 15 units of FINA courses at 3000 or above level, with no			
(d)	more than three 1-unit FINA courses Entrepreneurship (i) MGNT1070, 2070,; and			
(e)	(ii) four courses selected from: MGNT3080, 4070, 4090, 4130, 4160, 4170, 4270, 4570, 4711, 4712, 4713 Management of International Business			
	 (i) MGNT3580, 4150; and (ii) four courses selected from: MGNT3010, 3080, 3100, 4080, 4090, 4110, 4130, 4140, 4510, 4530, 4540, 4550, 4570 			
(f)	 Human Resource Management (i) MGNT2040, 3010; and (ii) four courses selected from: MGNT3040, 3060, 3090, 3100, 			
(-)	4050, 4060, 4080, 4110, 4130, 4140			
(g)	Marketing (i) MKTG3010, 3020, 3030, 4040; and (ii) two courses selected from: MKTG3040, 3050, 4010, 4020, 4030, 4050, 4070, 4080, 4090, 4110, 4160, 4200			
(h)	Big Data and Quantitative Marketing (i) MKTG3010, 3060, 4080, 4090; and (ii) two courses selected from: MKTG3020, 4030, 4050, 412			
(i)	 4150, 4160, 4170, 4180, 4190, 4200 General Business (i) 3 units of DOTE/FINA/MGNT/MKTG courses at 2000 or 			
	 above level; and 12 units of DOTE/FINA/MGNT/MKTG courses at 3000 or above level, excluding the courses taken for fulfillment of requirement (i), with no more than three 1-unit FINA courses 			
-	Total:	56-60		
Explana 1.	atory Notes: ACCT/DOTE/FINA/IBBA/MGNT/MKTG courses at 2000 and (excluding ACCT2111, 2121, IBBA3040, MGNT2511 and 2512) will the calculation of Major GPA for honours classification.	above level be included in		
2.	Double concentrations in Marketing and Bid Data and Quantitative Mar allowed.	U		
3.	DOTE2021 and the associated units can be used to satisfy concentration requirements of double concentrations within (a) to (c). MGNT3010 and the associated units can be used to satisfy concentration requirements			
4.	of double concentrations within (e) and (f). Courses taken for the concentration requirements of General Business cannot be counted towards the requirements of concentrations (a) to (h).			
5. [a]	 Students claiming Entrepreneurship Concentration are not allowed to derin Entrepreneurship and Innovation. ACCT2151 and ACCT3151 are mutually exclusive. Students who we have a student of the student of the			
[-]	pursue a career in accounting profession are advised to take ACCT31 ACCT2151.			
Explana	atory Notes on Mutual Recognition or Exclusion:			
1.	DOTE2011 and the associated units can be exempted from the requi second degree by successfully completing ENGG2450/ES' ENGG2760/ESTR2018 and ENGG2780/ESTR2020.			
2.	FINA2010 and the associated units can be exempted from the requi second degree by successfully completing FINA2310.			
3.	DOTE1030 and the associated units can be exempted from the requi second degree by successfully completing ECON2011.	rement of the		

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	1 st degree: Bachelor of Engineering (Financial Technology)	Units	2 nd degree: Bachelor of Business Administration (Integrated BBA Programme)	Units
First Year of Attendance	1 st term Faculty Package: Major Required: FINA2310, MATH1510 Major Elective(s):	6	1 st term Faculty Package: Major Required: Major Elective(s):	
	2 nd term Faculty Package: ENGG1110/ESTR1002, ENGG1120/ESTR1005, ENGG1130/ESTR1006 Major Required: ECON2011	9	2 nd term Faculty Package: Major Required: Major Elective(s):	
	Major Elective(s):	5		
Second Year of Attendance	^{1st} term Major Required: CSCI1120/ 1130/ESTR1100/1102, ENGG2440/ESTR2004, ENGG2760/ESTR2018 Major Elective(s):	8	1 st term Faculty Package: DOTE1030 Major Required: Major Elective(s):	3
	2 nd term Major Required: CSCI2100/ESTR2102, ENGG2780/ESTR2020, FTEC2001, FTEC2101/ESTR2520, FTEC2602 Major Elective(s):	11	2 nd term Faculty Package: DOTE1040, MGNT1020 Major Required: Major Elective(s):	6
Third Year of Attendance	l st term Major Required: CSCI4130/ IERG4130/ESTR4306, FTEC3001 or 3002, SEEM2520, SEEM3590/ESTR3509 Major Elective(s):	12	1 st term Major Required: DOTE2011 Major Elective(s):	4
	2 nd term Major Required: FTEC3001 or 3002, SEEM3550/ESTR3506 Major Elective(s): 1 course	6 3	2 nd term Major Required: FINA2010 Major Elective(s):	3
Fourth Year of Attendance	1 st term Major Required: FTEC4998	3	1 st term Major Required: ACCT2111, MGNT2512, 2611	6
	Major Elective(s): 2 courses	6	Major Elective(s):	
	2 nd term Major Required: FTEC4999 Major Elective(s): 2 courses	3 5	2 nd term Major Required: ACCT2121, MKTG2010, MGNT2511 Major Elective(s): 1 course	7 3
Fifth Year of Attendance			1 st term Major Required: ACCT2151 or 3151, DOTE2030, IBBA3040	6-7
			Major Elective(s): 3 courses 2 nd term Major Required: MGNT4010, DOTE2051 Major Elective(s): 1-2 courses	9 6 3-6
	Total (including Faculty Package):	75	Total (including Faculty Package):	56-60

Course List				
Course Code	Course Title	Unit(s)		
ENGG1820	Engineering Internship	1		
ENGG2440	Discrete Mathematics for Engineers	3		
ENGG2760	Probability for Engineers	2		
ENGG2780	Statistics for Engineers	2		
ESTR2004	Discrete Mathematics for Engineers	3		
ESTR2018	Probability for Engineers	2		
ESTR2020	Statistics for Engineers	2		
ESTR2520	Optimization Methods	3		
FTEC2001	FinTech Regulation and Legal Policy	2		
FTEC2101	Optimization Methods	3		
FTEC2602	Financial Technology Practicum	1		
FTEC3001	Financial Innovation and Structured Products	3		
FTEC3002	Introduction to Financial Infrastructures	3		
FTEC4001	Advanced Database Technologies	3		
ETEC/007	Daharrianal Analytica	2		

T1EC4002	Denavioral Analytics	3
FTEC4003	Data Mining for FinTech	3
FTEC4005	Financial Informatics	3
FTEC4006	Internet Finance	3
FTEC4007	Introduction to Blockchain and Distributed Ledger	3
	Technology	
FTEC4008	Natural Language Processing for FinTech	3
FTEC4998	Final Year Project I	3
FTEC4999	Final Year Project II	3

Study Scheme Learning Outcomes

Learning Outcomes

1. Major Programme:

Upon completion of their studies, FinTech students will have developed:

- the ability to apply knowledge of mathematics, science, and engineering appropriate to the degree discipline (K/S);
- (2) the ability to design and conduct experiments, as well as to analyze and interpret data (K/S);
- (3) the ability to design a system, component, or process to meet desired needs within realistic constraints, such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability (K/S);
- (4) the ability to function in multi-disciplinary teams (S/V);
- (5) the ability to identify, formulate, and solve engineering problems (K/S);
- (6) the understanding of professional and ethical responsibility (V);
- (7) the ability to communicate effectively (S);
- (8) the ability to understand the impact of engineering solutions in a global and societal context, especially the importance of health, safety and environmental considerations to both workers and the general public (V);
- (9) the ability to stay abreast of contemporary issues (S/V);
- (10) the ability to recognize the need for, and to engage in life-long learning (V);
- (11) the ability to use the techniques, skills, and modern engineering tools necessary for engineering practice appropriate to the degree discipline (K/S);
- (12) the ability to use the computer/IT tools relevant to the discipline along with an understanding of their processes and limitations (K/S/V); and
- (13) the ability to apply the skills relevant to the discipline of financial technology in financial innovations, especially in the areas of payment systems, investment decisions and financial product developments, financial big data analytics, internet finance, and cyber and data security (K/S).

2. Financial Technology and Integrated BBA Programme Double Major Programme:

Upon completion of the programme, students should:

- (1) have effective business communication skills (S).
- (2) be able to apply knowledge of mathematics, science, and engineering and problem-solving skills that support them to make business decisions (K/S).
- (3) have the ability to design and conduct experiments, as well as to analyze and interpret data (K/S).
- (4) have the ability to design a system, component, or process to meet desired needs within realistic constraints, such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability (K/S).
- (5) have the ability to integrate business knowledge in a business environment (K/S/V).
- (6) have the ability to propose strategies in a global environment (K/S/V).
- (7) have the ability to be aware of the ethical issues in a business context (V).
- (8) have the ability to function in multi-disciplinary teams (S/V).
- (9) have the ability to identify, formulate, and solve engineering problems in a business context (K/S).
- (10) have the ability to understand the impact of engineering solutions in a global and societal context, especially the importance of health, safety and environmental considerations to both workers and the general public (V).
- (11) have the ability to stay abreast of contemporary issues (S/V).
- (12) have the ability to recognize the need for, and to engage in life-long learning (V).
- (13) have the ability to use the techniques, skills, and modern engineering tools necessary for engineering and business practice appropriate to the degree discipline (K/S).
- (14) have the ability to use the computer/IT tools relevant to the discipline along with an understanding of their processes and limitations (K/S/V).
- (15) have the ability to apply the skills relevant to the discipline of financial technology in financial innovations, especially in the areas of payment systems, investment decisions and financial product developments, financial big data analytics, internet finance, and cyber and data security (K/S).

K = Knowledge outcomes S = Skills outcomes V = Values and attitudes outcomes

Course Information

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