

**Curriculum for CUHK Financial Technology Students Pursuing the
Dual Degree Programme with Shanghai Jiao Tong University
Applicable to students admitted in 2025-26**

Major Programme Requirement

Students are required to complete a minimum of 75 units of courses as follows:

	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. Required Courses:	
(a) CSCI2100#/ESTR2102, CSCI4130#/IERG4130#/ESTR4306, ECON2011#, FINA2310#, FTEC2101/ESTR2520, FTEC3001, 3002, SEEM2520#, SEEM3550#/ESTR3506, SEEM3590#/ESTR3509	30
(b) Research Component Courses: FTEC4998, 4999	6
(c) Practicum Course: FTEC2602	1
(d) Legal Course: FTEC2001	2
4. Elective Courses:	
(a) At least 6 units from FTEC4001, 4002, 4003, 4005, 4006, 4007, 4008, IERG4004#	14
(b) Courses from at least 3 subject areas[b]: ACCT2111#, AIST4010#/ESTR4140, CSCI2040#, 2120#, CSCI3150#/ESTR3102, CSCI3160#/ESTR3104, CSCI3320#, CSCI4160#/ESTR4104, CSCI4180#/ESTR4106, CSCI4430#/IERG3310#/ESTR3310/ESTR4120, ECON2021#[d], ENGG1820, FINA3020#, 3030#, 3070#, 3210#, 4010#, IERG4080#/ESTR4312, IERG4210#, MKTG4120#, SEEM3410#, SEEM3450#/ESTR3502, SEEM3570#/ESTR3508, SEEM3580#, SEEM4730#/ESTR4508	
Total:	75

Explanatory Notes:

1. 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 Term 2. The pre-assigned course, ENGG1130, will also be dropped.

[b] ESTR courses will be counted as their reciprocal departmental subject areas.

Recommended Course Pattern for CUHK students in fulfillment of requirements of the DDP with Shanghai Jiao Tong University (SJTU) (BEcon in Finance)		Units	Units per Term
First Year of Attendance (Study at SJTU)	<ul style="list-style-type: none"> ▪ Faculty Package: 2 courses[a] ▪ Major Required: CSCI1120/1130, ECON2011, MATH1510[a] ▪ University Core: 1 University GE course (Area A or C)[b], 1 PHED course[c] 		At least 18 units including courses to be transferred to CUHK
Second Year of Attendance (Study at CUHK)	1st term		18
	<ul style="list-style-type: none"> ▪ Faculty Package: 1 course ▪ Major Required: ENGG2440/ESTR2004, ENGG2760/ESTR2018, FINA2310, SEEM2520 ▪ University Core: ELTU1001, 1 PHED course 	3 11 4	
	2nd term		18
	<ul style="list-style-type: none"> ▪ Major Required: CSCI2100/ESTR2102, ENGG2780/ESTR2020, FTEC2001, FTEC2101/ESTR2520 ▪ University Core: UGFH1000, UGFN1000, ELTU3014 	10 8	
	Summer Session		2
	<ul style="list-style-type: none"> ▪ University Core: UGCP1001, 1002 	2	
Third Year of Attendance (Study at CUHK)	1 st term		18-19[e]
	<ul style="list-style-type: none"> ▪ Major Required: FTEC3002, SEEM3590/ESTR3509 ▪ Major Elective(s): 1 course ▪ University Core: CHLT1001, ENGG1004, 2 College GE courses[d] 	6 3 9-10	
	2 nd term		19[e]
	<ul style="list-style-type: none"> ▪ Major Required: CSCI4130/IERG4130/ESTR4306, FTEC3001, SEEM3550/ESTR3506 ▪ Major Elective(s): 3 courses ▪ University Core: CHLT1002 	9 8 2	
Fourth Year of Attendance (Study at SJTU)	<ul style="list-style-type: none"> ▪ Major Required: FTEC2602, 4998, 4999[a] ▪ Major Elective(s): 1 course[a] ▪ University Core: 1 University GE course (Area A or C)[b] 		At least 12 units including courses to be transferred to CUHK

Units taken at CUHK:	75-76[f]
Units taken at SJTU and recognized by CUHK:	30
Total:	105-106

Explanatory Notes:

1. Local and international CUHK students should fulfil different University core requirements as stipulated by SJTU.

[a] Mutual recognition of courses: CUHK major requirement to be fulfilled by SJTU courses

CUHK Courses	SJTU Courses
ENGG1120	MATH1205
ENGG1130	MATH1202 or MATH1204 or MATH1608H
MATH1510	MATH1201 or MATH1203 or MATH1607H
ECON2011	ECON1301
CSCII120/1130	BUSS1301
FTEC2602	BUSS4701 or ECON4702
FTEC4998 and FTEC4999	ECON4701
One Major Elective Course	3 units of Elective Courses in the major programme requirement of BEcon in Finance taken at SJTU

[b] CUHK students can take the following General Education Courses offered by SJTU and transfer the courses and units towards fulfillment of University General Education Requirements of CUHK in Areas A and C. Students should complete the minimum units of courses at CUHK before graduation and may refer to the *General Regulations Governing Full-time Undergraduate Studies* for details.

Designated courses offered by SJTU	Recommendations from OUGE
Chinese Music History and its Culture	The course can be considered for exempting 2 units in Area A. Course restriction of UGEA2145 <i>Chinese Music and Culture</i> and its exclusion courses GENA2342 and MUSC2562 shall apply.
Traditional Chinese Medicine and Chinese Traditional Culture	The course can be considered for exempting 2 units in Area A. Course restriction of UGEC2821 <i>Cultural Perspectives of Chinese Medicine</i> and its exclusion course UGEA1881 shall apply.
Chinese Philosophy Classics Intensive Reading	The course can be considered for exempting 3 units in Area A. Course restriction of UGEA2150 <i>Chinese Culture and Its Philosophies</i> and UGEA2160 <i>Mainstream Chinese Philosophical Thought</i> shall apply.
Selected Readings of The Book of Rites (Li Ji)	The course can be considered for exempting 2 units in Area A.
Chinese Language and Cognition	The course can be considered for exempting 2 units in Area C.

	A Brief History of Ancient Greece	The course can be considered for exempting 2 units in Area C.
	Culture and History of United States	The course can be considered for exempting 2 units in Area C.
	Analysis of Chinese Society	The course can be considered for exempting 2 units in Area C. Course restriction of UGEC2883/SOCI2106 <i>Economic Reform and Social Impacts in China</i> , UGEA2300 <i>China from Tradition to Modernity</i> and their exclusion courses UGEA2190, GESC2118 and SOCI2117 shall apply.
	History of Western Music Culture	The course can be considered for exempting 2 units in Area C. Course restriction of UGED2080 <i>The Appreciation of Western Classical Music</i> and its exclusion course GENA2342 shall apply.
[c]	CUHK students can take one PE course offered by SJTU towards fulfilment of one PHED course at CUHK.	
[d]	The recommended course pattern of College GE courses varies slightly depending on students' College affiliation.	
[e]	Students taking a term load exceeding the maximum will need to seek approval from the Registrar.	
[f]	Students are required to complete at least 50 units of Major courses at CUHK.	

Recommended Course Pattern for SJTU students in fulfillment of requirements of the DDP with CUHK (BEng in Financial Technology)		Units	Units per Term
First Year of Attendance (Study at SJTU)	<ul style="list-style-type: none"> ▪ Faculty Package: 2 courses[a] ▪ Major Required: CSCI1120/1130, ECON2011, MATH1510[a] 		At least 15 units including courses to be transferred to CUHK
Second Year of Attendance (Study at CUHK)	1st term <ul style="list-style-type: none"> ▪ Faculty Package: 1 course ▪ Major Required: ENGG2440/ESTR2004, ENGG2760/ESTR2018, FINA2310, SEEM2520 ▪ University Core: UGCP1001, 1002, 1 PHED course 	3 11 3	17
	2nd term <ul style="list-style-type: none"> ▪ Major Required: CSCI2100/ESTR2102, ENGG2780/ESTR2020, FTEC2001, FTEC2101/ESTR2520 ▪ University Core: UGFH1000/UGFN1000, 1 University GE course (Area A)[b], 1 College GE course[c] 	10 7-8	17-18

Third Year of Attendance (Study at CUHK)	1 st term	6	16
	<ul style="list-style-type: none"> ▪ Major Required: FTEC3002, SEEM3590/ESTR3509 ▪ Major Elective(s): 3 courses ▪ University Core: ELTU3014 	8 2	
	2 nd term	9	15
	<ul style="list-style-type: none"> ▪ Major Required: CSCI4130/IERG4130/ESTR4306, FTEC3001, SEEM3550/ESTR3506 ▪ Major Elective(s): 2 courses 	6	
Fourth Year of Attendance (Study at SJTU)	<ul style="list-style-type: none"> ▪ Major Required: FTEC2602, 4998, 4999[a] 		At least 7 units including courses to be transferred to CUHK
Units taken at CUHK:			65-66[d]
Units taken at SJTU and recognized by CUHK:			22
Total:			87-88

Explanatory Notes:

[a] Mutual recognition of courses: CUHK major requirement to be fulfilled by SJTU courses

CUHK Courses	SJTU Courses
ENGG1120	MATH1205
ENGG1130	MATH1202 or MATH1204 or MATH1608H
MATH1510	MATH1201 or MATH1203 or MATH1607H
ECON2011	ECON1301
CSCI1120/1130	BUSS1301
FTEC2602	BUSS4701 or ECON4702
FTEC4998 and FTEC4999	ECON4701

[b] The 2 units of University GE Area A course can be replaced by an additional GE Foundation course (viz. completing BOTH of the GE Foundation courses) on the condition that the SJTU students would have taken course(s) relevant to Area A at SJTU. The following is a list of pre-approved GE courses offered by SJTU relevant to Area A.

Designated courses offered by SJTU	Recommendations from OUGE
Chinese Music History and its Culture	The course can be considered for exempting 2 units in Area A. Course restriction of UGEA2145 <i>Chinese Music and Culture</i> and its exclusion courses GENA2342 and MUSC2562 shall apply.
Traditional Chinese Medicine and Chinese Traditional Culture	The course can be considered for exempting 2 units in Area A. Course restriction of UGEC2821 <i>Cultural Perspectives of Chinese Medicine</i> and its exclusion course UGEA1881 shall apply.

Chinese Philosophy Classics Intensive Reading	The course can be considered for exempting 3 units in Area A. Course restriction of UGEA2150 <i>Chinese Culture and Its Philosophies</i> and UGEA2160 <i>Mainstream Chinese Philosophical Thought</i> shall apply.
Selected Readings of The Book of Rites (LiJi)	The course can be considered for exempting 2 units in Area A.

[c] The recommended course pattern of College GE courses varies slightly depending on students' College affiliation.

[d] Students are required to complete at least 50 units of Major courses at CUHK.

Bachelor of Economics in Finance at Shanghai Jiao Tong University (CUHK students)

Programme Requirement

Students are required to complete a minimum of 108 units of courses as follows:

	Units
1. Foundation Courses: MATH1205, BUSS1303, ECON1304, BUSS1302, ECON1301, MATH1207, BUSS1301, BUSS2302, BUSS2301, ECON3301	26
2. Mathematics Courses: MATH1203/MATH1201/MATH1607H, MATH1202/MATH1608H/ MATH1204	10
3. Required Courses: ECON2404, ECON2403, ECON2509, ECON2402, ECON2508	15
4. Distributive Elective Courses[a]: ECON3503, ECON3515, ECON3501, ECON3513, ECON3510, ECON3509	8
5. Practical Courses:	
(a) Practical Required Courses: SII214	2
(b) Practical Elective Courses: BUSS4701/ECON4702	2
(c) Graduation Thesis: ECON4701	16
6. Electives Courses[a]: BUSS1604, BUSS2604, BUSS2406, BUSS2402, BUSS2515, BUSS3620, BUSS2513, BUSS2509, BUSS2409, ECON2606, MATH2501, ECON2507, ECON2608, BUSS2505, BUSS2506, MATH3605, BUSS2601, BUSS2603, ECON2602, BUSS2510, BUSS2512, BUSS2507, ECON2501, ECON2505, BUSS2607,	29

BUSS2410, ECON2607, BUSS2503, BUSS2502, BUSS2514,
 BUSS2516, MGTS3501, ECON3615, ECON2601, ECON3608,
 BUSS3519, BUSS3527, ECON3601, MGTS3401, ECON3612,
 ECON3507, BUSS3528, BUSS3505, BUSS3520, BUSS3503,
 BUSS3529, ECON3504, ECON3514, BUSS3621, ECON3604,
 ECON3605, ECON3619, BUSS3602, BUSS3628, BUSS3630,
 BUSS3607, ECON3610, BUSS3526, BUSS3622, BUSS3604,
 BUSS3603, BUSS3517, BUSS4501, ECON3616, BUSS3636,
 BUSS3610, ECON3602, ECON3614, BUSS3616, BUSS3617,
 BUSS3507, BUSS3524, ECON3611, ECON3606, BUSS3609,
 BUSS3623, ECON3609, BUSS3635, BUSS3627, BUSS3619,
 ECON3511, BUSS3411, BUSS3508, BUSS3523, ECON3607,
 BUSS3611, BUSS3625, ECON3505, BUSS3501, BUSS3513,
 BUSS3521, MGTS3601, BUSS4609, BUSS3637, ECON9004,
 BUSS4604, BUSS9020, ECON9005, BUSS4603, BUSS4607,
 BUSS4605, BUSS4602, BUSS6010, MGTS6001, ECON7004,
 BUSS6009, ECON7002, BUSS6002, BUSS9009, ECON7005,
 BUSS6008, ECON6002, ECON7001

Total: 108

Explanatory Notes:

[a] The excessive units completed in Major Distributive Elective Courses can be transferred to fulfil Major Elective Courses.

Recommended Course Pattern for CUHK students from Hong Kong, Macau, and Taiwan in fulfillment of SJTU Requirements		Units	Units per Term
First Year of Attendance (Study at SJTU)	1 st term <ul style="list-style-type: none"> ▪ Major Required: BUSS1302, ECON1301, 1304, MATH1201/1203/1607H, 1205 ▪ University Core: FL1201/2201/3201/4201/5201, KE1201, PSY1201 	18	23
	2 nd term <ul style="list-style-type: none"> ▪ Major Required: BUSS1301, ECON2403, 2404, MATH1202/1204/1608H, SI1214 ▪ University Core: KE1202, MARX1207/HI077/PU937, 1 Liberal Arts Core course[a] 	16 5	21
Second Year of Attendance (Study at CUHK)	To transfer 26 units from CUHK to SJTU[b]	26	26
Third Year of Attendance (Study at CUHK)	To transfer 21 units from CUHK to SJTU[b]	21	21

Fourth Year of Attendance (Study at SJTU)	1 st term	11	25
	<ul style="list-style-type: none"> ▪ Major Required: BUSS1303, BUSS4701/ECON4702, ECON2402, 2508, 3301 ▪ Major Elective(s): 3 courses ▪ University Core: MARX1207/HI077/PU937, 1 Liberal Arts Core course[a] 	8 6	
	2 nd term	18	31
	<ul style="list-style-type: none"> ▪ Major Required: BUSS2301, ECON4701 ▪ Major Elective(s): 3 courses ▪ University Core: KE2201, 1 Liberal Arts Core course[a] 	8 5	
Units taken at SJTU:			100
Units taken at CUHK and recognized by SJTU:			47
Total:			147

Explanatory Notes:

[a] There are five areas in Liberal Arts Core Courses, namely, Humanities, Natural Sciences, Engineering Science and Technology, Arts, and Social Sciences. Students must take at least 10 units of courses in these five areas with at least 2 units from the Area of Arts.

[b] Mutual recognition of courses:

SJTU major requirement to be fulfilled by CUHK courses

SJTU Courses	CUHK Courses
MATH1207	ENGG2760/ESTR2018
ECON2509	FINA2310
ECON3509	SEEM2520
BUSS2302	ENGG2780/ESTR2020
ECON3515	SEEM3590/ESTR3509
Major Elective Courses	17 units from FTEC2101/ESTR2520, FTEC3001, FTEC3002, and elective courses in the major programme requirement of BEng in FinTech taken at CUHK

SJTU university core requirement to be fulfilled by CUHK courses

SJTU Courses	CUHK Courses
One PE course	One PHED course
One 3-unit Liberal Arts English Course	ELTU1001
8 units of Liberal Arts Elective Courses	UGFH1000, UGFN1000, and ENGG1004
6 units of Free Electives	6 units from ENGG2440/ESTR2004, CSCI2100/ESTR2102, CSCI4130/IERG4130/ESTR4306, SEEM3550/ESTR3506, FTEC2001, ELTU3014, and UGCP1002

Recommended Course Pattern for CUHK international students in fulfillment of SJTU Requirements	Units	Units per Term
1 st term		23

First Year of Attendance (Study at SJTU)	<ul style="list-style-type: none"> ▪ Major Required: BUSS1302, ECON1301, 1304, MATH1201/1203/1607H, 1205 ▪ University Core: FL1201/2201/3201/4201/5201, KE1201, PSY1201 	18															
	2 nd term <ul style="list-style-type: none"> ▪ Major Required: BUSS1301, ECON2403, 2404, MATH1202/1204/1608H, SI1214 ▪ University Core: KE1202, MARX1207, 1 Liberal Arts Chinese Language course 	16 5	21														
Second Year of Attendance (Study at CUHK)	To transfer 26 units from CUHK to SJTU[a]	26	26														
Third Year of Attendance (Study at CUHK)	To transfer 21 units from CUHK to SJTU[a]	21	21														
Fourth Year of Attendance (Study at SJTU)	1 st term <ul style="list-style-type: none"> ▪ Major Required: BUSS1303, BUSS4701/ECON4702, ECON2402, 2508, 3301 ▪ Major Elective(s): 3 courses ▪ University Core: CHN0914, 1 Liberal Arts Core course[b] 	11 8 6	25														
	2 nd term <ul style="list-style-type: none"> ▪ Major Required: BUSS2301, ECON4701 ▪ Major Elective(s): 3 courses ▪ University Core: KE2201, 1 Liberal Arts Core course[b] 	18 8 5	31														
Units taken at SJTU:			100														
Units taken at CUHK and recognized by SJTU:			47														
Total:			147														
Explanatory Notes: [a] Mutual recognition of courses: SJTU major requirement to be fulfilled by CUHK courses <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">SJTU Courses</th> <th style="text-align: left;">CUHK Courses</th> </tr> </thead> <tbody> <tr> <td>MATH1207</td> <td>ENGG2760/ESTR2018</td> </tr> <tr> <td>ECON2509</td> <td>FINA2310</td> </tr> <tr> <td>ECON3509</td> <td>SEEM2520</td> </tr> <tr> <td>BUSS2302</td> <td>ENGG2780/ESTR2020</td> </tr> <tr> <td>ECON3515</td> <td>SEEM3590/ESTR3509</td> </tr> <tr> <td>Major Elective Courses</td> <td>17 units from FTEC2101/ESTR2520, FTEC3001, FTEC3002, and elective courses in the major programme requirement of BEng in FinTech taken at CUHK</td> </tr> </tbody> </table> SJTU university core requirement to be fulfilled by CUHK courses				SJTU Courses	CUHK Courses	MATH1207	ENGG2760/ESTR2018	ECON2509	FINA2310	ECON3509	SEEM2520	BUSS2302	ENGG2780/ESTR2020	ECON3515	SEEM3590/ESTR3509	Major Elective Courses	17 units from FTEC2101/ESTR2520, FTEC3001, FTEC3002, and elective courses in the major programme requirement of BEng in FinTech taken at CUHK
SJTU Courses	CUHK Courses																
MATH1207	ENGG2760/ESTR2018																
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Major Elective Courses	17 units from FTEC2101/ESTR2520, FTEC3001, FTEC3002, and elective courses in the major programme requirement of BEng in FinTech taken at CUHK																

SJTU Courses	CUHK Courses
One PE Course	One PHED course
One 3-unit Liberal Arts English Course	ELTU1001
6 units of Liberal Arts Chinese Language Courses	6 units of Chinese Language courses and UGCP1001
2 units of Liberal Arts Core Courses	2 units of College GE courses
6 units of Free Electives	6 units from ENGG2440/ESTR2004, CSCI2100/ESTR2102, CSCI4130/IERG4130/ESTR4306, SEEM3550/ESTR3506, FTEC2001, ELTU3014, and UGCP1002

[b] There are five areas in Liberal Arts Core Courses, namely, Humanities, Natural Sciences, Engineering Science and Technology, Arts, and Social Sciences. Students must take at least 10 units of courses in these five areas with at least 2 units from the Area of Arts.

Credit Transfer of Major Units

- Credit transfer of major required courses is arranged by the following course-to-course mapping based on course content equivalence.

Credit transfer of major required courses taken at SJTU to CUHK (applied to both CUHK and SJTU students):

Year and Location of Study	CUHK courses			SJTU courses		
	Code	Title	Units	Code	Title	Units
Year 1 at SJTU	MATH1510	Calculus for Engineers	3	MATH1201 <i>or</i> MATH1203 <i>or</i> MATH1607H	Calculus I <i>or</i> Mathematical Analysis I <i>or</i> Mathematical Analysis (H) I	6
	ENGG1120	Linear Algebra for Engineers	3	MATH1205	Linear Algebra	3
	ENGG1130	Multivariable Calculus for Engineers	3	MATH1202 <i>or</i> MATH1204 <i>or</i> MATH1608H	Calculus II <i>or</i> Mathematical Analysis II <i>or</i> Mathematical Analysis (H) II	4
	ECON2011	Basic Microeconomics	3	ECON1301	Principles of Economics	4
	CSCI1120 <i>or</i> CSCI1130	Introduction to Computing Using C++ <i>or</i> Introduction to Computing Using Java	3	BUSS1301	Programming	3
Year 4 at SJTU	FTEC2602	Financial Technology Practicum	1	BUSS4701 <i>or</i> ECON4702	Business Practicum <i>or</i> Internship Report	2
	FTEC4998 <i>and</i> FTEC4999	Final Year Project I <i>and</i> Final Year Project II	6	ECON4701	Undergraduate Project (Thesis)	16
	Total units transferred from SJTU to CUHK for major required courses taken in Years 1 and 4		22			

Credit transfer of major required courses taken at CUHK to SJTU (applied to both CUHK and SJTU students):

Year and Location of Study	CUHK courses			SJTU courses		
	Code	Title	Units	Code	Title	Units
Years 2 and 3 at CUHK	ENGG2760/ESTR2018	Probability for Engineers	2	MATH1207	Probability and Statistics	3
	FINA2310	Fundamentals of Business Finance	3	ECON2509	Principles of Finance	3

	SEEM2520	Fundamentals in Financial Engineering	3	ECON3509	Financial Engineering	2
	ENGG2780/ESTR2020	Statistics for Engineers	2	BUSS2302	Business Statistics	2
	SEEM3590/ESTR3509	Investment Science	3	ECON3515	Securities Analysis	2
Total units transferred from CUHK to SJTU for major required courses taken in Years 2 and 3						12

2. Credit transfer of major elective courses is arranged based on course content relevance and contact hours

Credit transfer of major elective courses taken at SJTU to CUHK

	Total units transferred	Equivalent courses
For CUHK students	3	Elective courses in the major programme requirement of BEcon in Finance taken at SJTU
For SJTU students	0	

Credit transfer of major elective courses taken at CUHK to SJTU

	Total units transferred	Equivalent courses
For CUHK students	17	FTEC2101/ESTR2520, FTEC3001, FTEC3002, and elective courses in the major programme requirement of BEng in FinTech taken at CUHK
For SJTU students	23	

Course List of Bachelor of Economics in Finance of Shanghai Jiao Tong University

Major Required Course List			
<i>Course Code</i>	<i>Course Title</i>	<i>Unit(s)</i>	<i>Grading Basis#</i>
BUSS1301	Programming	3	Letter grade
BUSS1302	Principles of Management(D)	3	Letter grade
BUSS1303	Psychology and Behavior	2	Letter grade
BUSS2301	Corporate Responsibility and Ethics	2	Letter grade
BUSS2302	Business Statistics	2	Letter grade
BUSS4701	Business Practicum	2	Letter grade
ECON1301	Principles of Economics	4	Letter grade
ECON1304	Political Economy	2	Letter grade
ECON2402	Econometrics	3	Letter grade
ECON2403	Intermediate Macroeconomics	3	Letter grade
ECON2404	Intermediate Microeconomics	4	Letter grade
ECON2508	Money and Finance	2	Letter grade
ECON2509	Principles of Finance	3	Letter grade
ECON3301	Research Methods and Academic Writing	2	Letter grade
ECON3501	Corporate Finance	3	Letter grade

Major Required Course List			
<i>Course Code</i>	<i>Course Title</i>	<i>Unit(s)</i>	<i>Grading Basis#</i>
ECON3503	Fixed Income Securities Analysis	2	Letter grade
ECON3509	Financial Engineering	2	Letter grade
ECON3510	Financial Econometrics	3	Letter grade
ECON3513	Bank Management	2	Letter grade
ECON3515	Securities Analysis	2	Letter grade
ECON4701	Undergraduate Project (Thesis)	16	Letter grade
ECON4702	Internship Report	2	Letter grade
MATH1201	Calculus I	6	Letter grade
MATH1202	Calculus II	4	Letter grade
MATH1203	Mathematical Analysis I	6	Letter grade
MATH1204	Mathematical Analysis II	4	Letter grade
MATH1205	Linear Algebra	3	Letter grade
MATH1207	Probability and Statistics	3	Letter grade
MATH1607H	Mathematical Analysis (H) I	6	Letter grade
MATH1608H	Mathematical Analysis (H) II	4	Letter grade
SI1214	Engineering Experience and Innovation	2	Letter grade

Major Elective Course List			
<i>Course Code</i>	<i>Course Title</i>	<i>Unit(s)</i>	<i>Grading Basis#</i>
BUSS1604	Introduction of Innovation and Entrepreneurship	2	Letter grade
BUSS2402	Management Science	3	Letter grade
BUSS2406	Marketing (B)	3	Letter grade
BUSS2409	Operations Management	2	Letter grade
BUSS2410	Organizational Behavior	2	Letter grade
BUSS2502	Price Strategy	2	Letter grade
BUSS2503	Regression Analysis	3	Letter grade
BUSS2505	Machine Learning	3	Letter grade
BUSS2506	The Principle of Computer Hardware and Software	3	Letter grade
BUSS2507	Leadership and Self-management	2	Letter grade
BUSS2509	Human Resource Management	3	Letter grade
BUSS2510	Data Collection and Visualization	2	Letter grade
BUSS2512	New Product Management	2	Letter grade
BUSS2513	Introduction to Information Systems	2	Letter grade
BUSS2514	Financial Management	3	Letter grade
BUSS2515	Accounting	3	Letter grade
BUSS2516	Intermediate Financial Accounting	3	Letter grade
BUSS2601	Technology Innovation Management	2	Letter grade
BUSS2603	Theory and Approach to the Commercialization of Technology	2	Letter grade
BUSS2604	Business Model	2	Letter grade
BUSS2607	Basis of Database and SAS Application	3	Letter grade
BUSS3411	Strategic Management	2	Letter grade
BUSS3501	Financial Statement Analysis and Valuation	2	Letter grade
BUSS3503	Management Accounting	2	Letter grade
BUSS3505	Advertising and New Media	2	Letter grade

Major Elective Course List			
<i>Course Code</i>	<i>Course Title</i>	<i>Unit(s)</i>	<i>Grading Basis#</i>
BUSS3507	Decision Analysis	2	Letter grade
BUSS3508	Channel Management	2	Letter grade
BUSS3513	Auditing	3	Letter grade
BUSS3517	Negotiation and Conflict Management	2	Letter grade
BUSS3519	Modern Customer Relationship Management	2	Letter grade
BUSS3520	Consumer Behavior	2	Letter grade
BUSS3521	System Analysis and Design	3	Letter grade
BUSS3523	Forecasting Analysis and Methods	2	Letter grade
BUSS3524	Quality Management	2	Letter grade
BUSS3526	Organizational Design and Development	2	Letter grade
BUSS3527	Simulation for Management	2	Letter grade
BUSS3528	Management Modeling and Optimization	2	Letter grade
BUSS3529	Motivating Employees	2	Letter grade
BUSS3602	MATLAB Programming and Modeling	2	Letter grade
BUSS3603	Financial Accounting Information Systems	2	Letter grade
BUSS3604	Purchasing and Supply Management	2	Letter grade
BUSS3607	Electronic Commerce(B)	2	Letter grade
BUSS3609	Advanced Financial Accounting	2	Letter grade
BUSS3610	Advanced Corporate Finance	2	Letter grade
BUSS3611	Supply Chain Management	2	Letter grade
BUSS3616	Computer Networking and its Applications	2	Letter grade
BUSS3617	Computational Text Analysis	2	Letter grade
BUSS3619	Business Management Decision Simulation	2	Letter grade
BUSS3620	Introduction to Artificial Intelligence	3	Letter grade
BUSS3621	Production Planning and Control	3	Letter grade
BUSS3622	Market Research	2	Letter grade
BUSS3623	Mergers, Acquisitions, and Other Restructuring Activities	3	Letter grade
BUSS3625	Algorithm Analysis and Design	2	Letter grade
BUSS3627	Stochastic Processes and Their Applications	3	Letter grade
BUSS3628	Investment Science	2	Letter grade
BUSS3630	Marketing Engineering and Models	2	Letter grade
BUSS3635	New Retailing	2	Letter grade
BUSS3636	Digital Finance	2	Letter grade
BUSS3637	Financial Information: Presentation and Disclosure	3	Letter grade
BUSS4501	Cross-Cultural Management	2	Letter grade
BUSS4602	Revenue Management	2	Letter grade
BUSS4603	Digital Marketing	2	Letter grade
BUSS4604	Taxation	2	Letter grade
BUSS4605	Algorithmic Trading and Quantitative Investment	2	Letter grade
BUSS4607	Reinforcement Learning	2	Letter grade
BUSS4609	Strategic Brand Management	2	Letter grade
BUSS6002	Qualitative Research	1	Letter grade
BUSS6008	Experiment Design	1	Letter grade
BUSS6009	Collection and Analysis of Archival Data	1	Letter grade

Major Elective Course List			
<i>Course Code</i>	<i>Course Title</i>	<i>Unit(s)</i>	<i>Grading Basis#</i>
BUSS6010	Survey Research Methods	1	Letter grade
BUSS9009	Empirical Corporate Finance	3	Letter grade
BUSS9020	Asset Pricing Empirical	3	Letter grade
ECON2501	Game Theory	3	Letter grade
ECON2505	International Economics I	3	Letter grade
ECON2507	International Economics II	2	Letter grade
ECON2601	Entrepreneurial Financing and Ownership Structure Design	2	Letter grade
ECON2602	Development Economics	2	Letter grade
ECON2606	History of Economic Thoughts	2	Letter grade
ECON2607	Optimization Methods in Economics	3	Letter grade
ECON2608	International Economic Analysis under Globalization	2	Letter grade
ECON3504	International Trade in Service	2	Letter grade
ECON3505	International Technical Trade	2	Letter grade
ECON3507	International Trade Practice	3	Letter grade
ECON3511	Business Law	3	Letter grade
ECON3514	Applied Micro-econometrics	3	Letter grade
ECON3601	Industrial Organization(A)	3	Letter grade
ECON3602	Venture capital and the Finance of Innovation	2	Letter grade
ECON3604	Corporate Governance	2	Letter grade
ECON3605	International Investment	3	Letter grade
ECON3606	Behavioral Economics	3	Letter grade
ECON3607	Theory and Method of Industry Analysis	3	Letter grade
ECON3608	Environmental Economics	2	Letter grade
ECON3609	Financial Mathematics	2	Letter grade
ECON3610	Labor Economics	2	Letter grade
ECON3611	Reading Group	2	Letter grade
ECON3612	Regional Economics	3	Letter grade
ECON3614	Business English Communication	2	Letter grade
ECON3615	Experimental Economics	2	Letter grade
ECON3616	Chinese Economy	2	Letter grade
ECON3619	Public Economics	3	Letter grade
ECON6002	Advanced Econometrics	3	Letter grade
ECON7001	Advanced Macroeconomics I	3	Letter grade
ECON7002	Advanced Econometrics I	2	Letter grade
ECON7004	Advanced Microeconomics I	3	Letter grade
ECON7005	Advanced Microeconomics II	3	Letter grade
ECON9004	Advanced Econometrics (Time Series Analysis)	3	Letter grade
ECON9005	Advanced Econometrics (Microeconometrics)	3	Letter grade
MATH2501	Ordinary Differential Equations	4	Letter grade
MATH3605	Real Analysis	3	Letter grade
MGTS3401	Data Structure	3	Letter grade
MGTS3501	Database Principle and System	4	Letter grade
MGTS3601	Graph Data Analysis and Business Application	3	Letter grade
MGTS6001	Multivariate Statistics	3	Letter grade

University Core Course List			
<i>Course Code</i>	<i>Course Title</i>	<i>Unit(s)</i>	<i>Grading Basis#</i>
CHN0904	Intermediate Chinese (1)	4	Letter grade
CHN0905	Intermediate Chinese (2)	4	Letter grade
CHN0907	Advanced Chinese Reading (1)	2	Letter grade
CHN0908	Advanced Chinese Writing (1)	2	Letter grade
CHN0910	Advanced Chinese Reading (2)	2	Letter grade
CHN0911	Advanced Chinese Writing (2)	2	Letter grade
CHN0914	Outline of Chinese Culture	2	Letter grade
FL1201	College English I	3	Letter grade
FL2201	College English II	3	Letter grade
FL3201	College English III	3	Letter grade
FL4201	College English IV	3	Letter grade
FL5201	College English V	3	Letter grade
HI077	Historical Process of Chinese Civilization and Society	2	Letter grade
KE1201	Physical Education I	1	Letter grade
KE1202	Physical Education II	1	Letter grade
KE2201	Physical Education III	1	Letter grade
MARX1202	Modern Chinese History	3	Letter grade
MARX1203	Introduction to Mao Zedong's Thoughts and Theoretical System of Socialism with Chinese Characteristics	3	Letter grade
MARX1204	Basic Theory of Marxism	3	Letter grade
MARX1205	Circumstance and Policy	0.5*4	Letter grade
MARX1206	Social Cognitive Practice in the New Era	2	Pass/ Failure
MARX1207	Contemporary China	2	Letter grade
MARX1208	Ideology and Morality and Rule of Law	3	Letter grade
MARX1219	Introduction to Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era	3	Letter grade
MIL1201	Military Theory	2	Letter grade
MIL1202	Military Training	2	Pass/ Failure
PSY1201	University Student's Mental Health	1	Letter grade
PU937	Great Power Strategy	2	Letter grade

Note: Letter grade refers to “Letter grade or 100-scale grade” as chosen by course instructors.

Letter grade: A, B, C, D, F

Pass/ Failure (P/ U) grading: Pass (P)/ Failure (U)

Distinction/ Pass/ Failure (DPF) grading: Distinction (DI), Pass (PA), Failure (PA)

CUHK Core Requirement

Please specify the year and term (e.g. Y2T1 for Term 1 of Year 2, or Y3SS for the Summer Session of Year 3) for students to take each of the course/ component of the core requirements. According to the revised *Curriculum Framework for Students Participating in Dual Undergraduate Degree Programmes* following the revisions to the University Core Requirements approved by the Senate on 6 April 2022 for implementation with effect from 2022-23, CUHK outgoing students and incoming students from partner universities are required to complete 30-32 and 12-13 units of the Core Requirements respectively. For programmes that request further exemption of courses and units, please mark “E” for the corresponding course. Justification (e.g. similar requirements/ courses taken at the partner university) and approval from the relevant committee (e.g. Senate Committee on Language Enhancement) should be provided.

Course/ Component	No. of Units	Recommended year/ term for taking courses in CUHK and projected no. of students				Justification for further exemption (if applicable)
		CUHK outgoing students		SJTU incoming students		
		Year/ term	No. of students	Year/ term	No. of students	
Chinese 1	3	Y3T1	15			
Chinese 2	2	Y3T2	15			
Specially designed non-credit bearing Chinese language course ¹ (incoming)	0			Y2T1	15	
ELTU 1	3	Y2T1	15			
ELTU 2	3	N.A.	N.A.			The programme recommends CUHK students to take ELTU 1 and ELTU 3 to fulfill the CUHK English course requirements. ELTU agrees with the arrangement.
ELTU 3	2	Y2T2	15	Y3T1	15	
DL&CT	3	Y3T1	15			
PE 1	1	Y2T1	15	Y2T1	15	
PE 2	1	E	N.A.			Similar requirement/course to be taken at SJTU.
UGFN	3	Y2T2	15	Y2T2	15	Incoming students will take 3 units of UGFN or UGFH.
UGFH	3	Y2T2	15			
College GE 1 (outgoing)	2-3	Y3T1	15			
College GE 2 ² (outgoing)	2	Y3T1	15			
College GE 1 (incoming)	2-3			Y2T2	15	Incoming students will take 2-3 units of College GE.
College GE 2 ² (incoming)	2					
Four Areas GE – 1 ³ (outgoing)	2	E	N.A.			Similar course(s) in Areas A and C to be taken at SJTU as approved by the Senate Committee on General Education

Four Areas GE – 2 ³ (outgoing)	2	E	N.A.			Similar course(s) in Areas A and C to be taken at SJTU as approved by the Senate Committee on General Education
Four Areas GE – 1 [Area A ⁴] (incoming)	2			Y2T2	15	
UGCP 1	1	Y2SS	15	Y2T1	15	
UGCP 2	1	Y2SS	15	Y2T1	15	
Total units to be taken		25-26 units		12-13 units		

Notes:

- ¹ Incoming students will be required to take a specially designed non-credit-bearing Chinese language course, unless there is similar requirement in the partner university or students have taken relevant courses. Programme concerned should discuss the arrangement with the Department of Chinese Language and Literature.
- ² Students, whose affiliated College only offers 2-unit courses, should take 2 College GE courses to fulfil the requirement. College GE 2 is only applicable to students of the New Asia College.
- ³ CUHK outgoing students should complete at least 4 units of University GE courses with one course from each of the two Areas specified by the Faculty concerned.
- ⁴ Can be replaced by UGFN/ UGFH on the condition that there is similar requirement or students have taken courses relevant to Area A in the partner university.

Credit Transfer of University Core Courses

1. Credit transfer of University Core courses taken at SJTU to CUHK by course-to-course mapping based on course content relevance and contact hours (applied to CUHK students only)

CUHK		SJTU		
Title	Units	Code	Title	Units
Physical Education	1	KE1201 or KE1202 or KE2201	Physical Education I or Physical Education II or Physical Education III	1
University GE (Area A)	2		List of courses approved by SCGE <ul style="list-style-type: none"> • Chinese Music History and its Culture • Traditional Chinese Medicine and Chinese Traditional Culture • Chinese Philosophy Classics Intensive Reading • Selected Readings of The Book of Rites (LiJi) 	2
University GE (Area C)	2		List of courses approved by SCGE <ul style="list-style-type: none"> • Chinese Language and Cognition • A Brief History of Ancient Greece • Culture and History of United States • Analysis of Chinese Society • History of Western Music Culture 	2
TOTAL	5			

2. Credit transfer of University Core courses taken at CUHK to SJTU by course content relevance and contact hours

There are five areas in Liberal Arts Core Courses, namely, Humanities, Natural Sciences, Engineering Science and Technology, Arts, and Social Sciences at SJTU. Students must take at least 10 units of courses in these five areas with at least 2 units from the Area of Arts.

SJTU University Core Requirement for FinTech-Finance Dual Degree Programme between CUHK and SJTU (Applied to CUHK Students from Hong Kong, Macau, and Taiwan)		Credit transfer of University Core courses taken at CUHK to SJTU	
	Units	Units transferred from CUHK to SJTU	Equivalent courses taken at CUHK
1. Liberal Arts Distributive Elective Courses	4		
2. Liberal Arts Foundation Courses			
(a) Physical Education	4	1	PE courses
(b) University Students' Mental Health	1		
3. Liberal Arts English Courses	6	3	ELTU1001
4. Liberal Arts Elective Courses	8	8	UGFH1000, UGFN1000, and ENGG1004
5. Liberal Arts Core Courses	10		
6. Free Electives	6	6	ENGG2440/ESTR2004, CSCI2100/ESTR2102, CSCI4130/IERG4130/ESTR4306, SEEM3550/ESTR3506, FTEC2001, ELTU3014, and UGCP1002
TOTAL:	39	18	

SJTU University Core Requirement for FinTech-Finance Dual Degree Programme between CUHK and SJTU (Applied to CUHK International Students)		Credit transfer of University Core courses taken at CUHK to SJTU	
	Units	Units transferred from CUHK to SJTU	Equivalent courses taken at CUHK
1. Liberal Arts Chinese Culture Courses	4		
2. Liberal Arts Foundation Courses			
(a) Physical Education	4	1	PE courses
(b) University Students' Mental Health	1		
3. Liberal Arts English Courses	6	3	ELTU1001
4. Liberal Arts Chinese Language Courses	8	6	Chinese Language courses and UGCP1001
5. Liberal Arts Core Courses	10	2	College GE
6. Free Electives Transferred from CUHK	6	6	ENGG2440/ESTR2004, CSCI2100/ESTR2102, CSCI4130/IERG4130/ESTR4306, SEEM3550/ESTR3506, FTEC2001, ELTU3014, and UGCP1002
TOTAL:	39	18	

SJTU University Core Requirement for FinTech-Finance Dual Degree Programme between CUHK and SJTU (Applied to SJTU Students)		Credit transfer of University Course courses taken at CUHK to SJTU	
	Units	Units transferred from CUHK to SJTU	Relevant courses taken at CUHK
1. Liberal Arts Foundation Courses			
(a) Physical Education	4	1	PE courses
(b) University Students' Mental Health	1		
(c) Other foundation courses	21		
2. Liberal Arts English Courses	6		
3. Liberal Arts Core Courses	10	4	University GE and College GE
4. Free Electives Transferred from CUHK	6	6	ENGG2440/ESTR2004, CSCI2100/ESTR2102, CSCI4130/IERG4130/ESTR4306, SEEM3550/ESTR3506, FTEC2001, ELTU 3014, and UGCP1002
TOTAL:	48	11	