

(Study Scheme - English)

Programme Title Statistics	
Study Scheme	
Applicable to students admitted in 2015-16 and 2016-2017	
Major Programme Requirement	
Studies in Statistics are divided into THREE main streams and students are required to specialize in one of the streams: (1) Statistical Science; (2) Data Science; and (3) Financial Statistics	
Statistical Science Stream	
Students are required to complete a minimum of 72 units of courses as follows:	
	Units
1. School Package: BIO2001, CHM1001, CSC1001, 1002, MAT1001/1003, 1002/1004, 2040, PHY1001, STA2001	25
2. Required Courses: ERG2050, STA2002, 3007, 3010, 3020, 3050, 4001, 4002, 4003, 4030	29
3. Elective Courses:	
(a) Four courses selected from the following: BME4005, MAT3007, 3280*, STA3006, 3030, 3100*,4005, 4007, 4010, 4011, 4020	12
(b) Two courses selected from the following: ACT4253, CSC4005, 4008, 4020*,ECO2011, ERG3010, FIN2010, MKT2010, RMS4001*, 4050*	6
Total:	72
Data Science Stream	
Students are required to complete a minimum of 72 units of courses as follows:	
	Units
1. School Package: BIO2001, CHM1001, CSC1001, 1002, MAT1001/1003, 1002/1004, 2040, PHY1001, STA2001	25

2.	Required Courses: CSC4005, 4008, ERG2050, 3010, 3020, STA2002, 3010, 3020, 3050, 4030	29
3.	Elective Courses:	
(a)	Four courses selected from the following: CSC4020, EIE3050, MAT3280*, STA3006, 3007, 3030, 3100*, 4001, 4003, 4005* 4007, 4010, 4011	12
(b)	Two courses selected from the following: ACT4253, BGE4010, BME4005, ECO2011, FIN2010, MAT3007, MKT2010, RMS4001*, 4050*, STA4020*	6
Total:		<hr/> 72
Financial Statistics Stream		
Students are required to complete a minimum of 72 units of courses as follows:		
		Units
1.	School Package: BIO2001, CHM1001, CSC1001, 1002, MAT1001/1003, 1002/1004, 2040, PHY1001, STA2001	25
2.	Required Courses: ACT2111, ECO2011, 3121, FIN2010, 3080, STA2002, 3020, 3050, 4003, 4020	29
3.	Elective Courses:	
(a)	Four courses selected from the following: CSC4008*, 4020*, MAT3007, 3280*, RMS4001, 4050, 4060, STA3006, 3007, 3010, 3030, 3100*, 4001, 4005*, 4010, 4011	12
(b)	Two courses selected from the following: ACT4253, BGE4010, CSC4005*, ECO2021, 3011, 3410, ERG2050, 3010, 3020, MKT2010, FIN4060	6
Total:		<hr/> 72

(Study Scheme - Chinese)

課程名稱 統計學	
修讀辦法 二〇一五至一六年度及二〇一六至一七年度入學學生適用	
主修課程要求 本課程分設三項專修範圍，學生須選修其中一項專修範圍： (1) 統計科學； (2) 數據科學；及 (3) 金融統計。	
統計科學專修範圍 學生須至少修畢以下科目共 72 學分：	
1. 學院課程： BIO2001, CHM1001, CSC1001, 1002, MAT1001/1003, 1002/1004, 2040, PHY1001, STA2001	學分 25
2. 必修科目： ERG2050, STA2002, 3007, 3010, 3020, 3050, 4001, 4002, 4003, 4030	29
3. 選修科目： (a) 從以下選修其中四科： BME4005, MAT3007, 3280*, STA3006, 3030, 3100*, 4005, 4007, 4010, 4011, 4020	12
(b) 從以下選修其中兩科： ACT4253, CSC4005, 4008, 4020*, ECO2011, ERG3010, FIN2010, MKT2010, RMS4001*, 4050*	6
共：	72
數據科學專修範圍 學生須至少修畢以下科目共 72 學分：	
1. 學院課程： BIO2001, CHM1001, CSC1001, 1002, MAT1001/1003, 1002/1004, 2040, PHY1001, STA2001	學分 25
2. 必修科目：	29

CSC4005, 4008, ERG2050, 3010, 3020, STA2002, 3010,
3020, 3050, 4030

3. 選修科目:
- (a) 從以下選修其中四科: 12
CSC4020, EIE3050, **MAT3280***, STA3006, 3007, 3030, **3100***, 4001, 4003, **4005***
4007, 4010, 4011
- (b) 從以下選修其中兩科: 6
ACT4253, BGE4010, BME4005, ECO2011, FIN2010, MAT3007, MKT2010,
RMS4001*, **4050***, **STA4020***

共: 72

金融統計專修範圍

學生須至少修畢以下科目共 72 學分:

- 學院課程: 學分
25
1. 學院課程:
BIO2001, CHM1001, CSC1001, 1002, MAT1001/1003, 1002/1004
2040, PHY1001, STA2001
2. 必修科目: 29
ACT2111, ECO2011, 3121, FIN2010, 3080, STA2002, 3020,
3050, 4003, 4020
3. 選修科目:
- (a) 從以下選修其中四科: 12
CSC4008*, **4020***, MAT3007, **3280***, RMS4001, 4050, 4060, STA3006, 3007,
3010, 3030, **3100***, 4001, **4005***, 4010, 4011
- (b) 從以下選修其中兩科: 6
ACT4253, BGE4010, **CSC4005***, ECO2021, 3011, 3410, ERG2050,
3010, 3020, MKT2010, FIN4060

共: 72

(Recommended Course Pattern - English)

Recommended Course Pattern

- Sufficient units should be allowed in each term for students to fulfill the University Core Requirements, which include: (i) 3 units of Chinese; (ii) 12 units of English; (iii) 1 unit of IT; (iv) 18 units of General Education; and (v) 2 units of Physical Education and Health.
- Programmes with different streams/concentrations are required to provide the recommended pattern for each stream/concentration.

Major Programme Requirement of <u>Statistics</u>		
	Recommended Course Pattern	Units
First Year of	1 st term School Package: CHM1001, MAT1001/1003, PHY1001	9
	2 nd term School Package: CSC1001, 1002, MAT1002/1004, STA2001	10
Second Year of	1 st term School Package: MAT2040 Major Required: ACT2111 ^[3] , ECO2011 ^[3] , ERG2050 ^{[1][2]} , STA2002, 3010 ^{[1][2]}	3 9
	2 nd term School Package: BIO2001 Major Required: FIN2010 ^[3] , STA3020 ^{[1][2]} Major Elective(s): one course	3 3 3
	1 st term Major Required: CSC4005 ^[2] , ECO3121 ^[3] , ERG3010 ^[2] , STA3007 ^[1] , 3020 ^[3] , 3050, 4030 ^[1] Major Elective(s): one course	8 3
Third Year of	2 nd term Major Required: CSC4008 ^[2] , ERG3020 ^[2] , FIN3080 ^[3] , STA4002 ^[1] , 4003 ^{[1][3]} Major Elective(s): one course	6 3
	1 st term Major Required: STA4001 ^[1] , 4020 ^[3] , 4030 ^[2] Major Elective(s): one course	3 3
Fourth Year of	2 nd term Major Elective(s): two courses	6
	Total (Major Requirement including School Package):	72

Explanatory Notes:

[1] Applicable to Statistical Science Stream only.

[2] Applicable to Data Science Stream only.

[3] Applicable to Financial Statistics Stream only.

(Recommended Course Pattern - Chinese)

修課推介

1. 每學期均須預留足夠學分讓同學符合大學核心課程要求，包括：(一) 中文三學分；(二) 英文十二學分；(三) 資訊科技一學分；(四) 通識教育十八學分及 (五) 體育與健康兩學分。
2. 有不同專修範圍的課程須為每項專修範圍提供課推介。

統計學主修課程要求		
	修課推介	學分
第一修業學年	第一學期 學院課程: CHM1001, MAT1001/1003, PHY1001	9
	第二學期 學院課程: CSC1001, 1002, MAT1002/1004, STA2001	10
第二修業學年	第一學期 學院課程: MAT2040 主修必修科目: ACT2111 ^[3] , ECO2011 ^[3] , ERG2050 ^{[1][2]} , STA2002, 3010 ^{[1][2]}	3 9
	第二學期 學院課程: BIO2001 主修必修科目: FIN2010 ^[3] , STA3020 ^{[1][2]} 主修選修科目: 一科	3 3 3
	第一學期 主修必修科目: CSC4005 ^[2] , ECO3121 ^[3] , ERG3010 ^[2] , STA3007 ^[1] , 3020 ^[3] , 3050, 4030 ^[1] 主修選修科目: 一科	8 3
第三修業學年	第二學期 主修必修科目: CSC4008 ^[2] , ERG3020 ^[2] , FIN3080 ^[3] , STA4002 ^[1] , 4003 ^{[1][3]} 主修選修科目: 一科	6 3
	第一學期 主修必修科目: STA4001 ^[1] , 4020 ^[3] , 4030 ^[2] 主修選修科目: 一科	3 3
第四修業學年	第二學期 主修選修科目: 兩科	6
	合共 (主修要求包括學院課程):	72

註:

- [1] 只用於統計科學專修範圍。
 [2] 只適用於數據科學專修範圍。
 [3] 只適用於金融統計專修範圍。