

(Study Scheme - English)

<b>Programme Title</b> Statistics	
<b>Study Scheme</b>  <p style="text-align: center;"><b>Applicable to students admitted in 2015-16 and thereafter</b></p>	
<b>Major Programme Requirement</b>  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	
<b>Statistical Science Stream</b>  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, STA3006, 3030, 4005, 4007, 4010, 4011*, 4020	12
(b) Two courses selected from the following: ACT4253, CSC4005, 4008, ECO2011, ERG3010, FIN2010, MKT2010	6
 <b>*Approval pending</b>	
<b>Total:</b>	<b>72</b>
 <b>Data Science Stream</b>  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, STA3006, 3007, 3030, 4001, 4003, 4007, 4010*, 4011*	12
(b)	Two courses selected from the following: ACT4253, BGE4010, BME4005, ECO2011, FIN2010, MAT3007, MKT2010	6

\*Approval pending

<b>Total:</b>	<b>72</b>
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### 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: MAT3007, RMS4001, 4050, 4060, STA3006, 3007, 3010, 3030, 4001, 4010*, 4011*	12
(b) Two courses selected from the following: ACT4253, BGE4010, ECO2021, 3011, 3410, ERG2050, 3010, 3020, MKT2010, FIN4060	6

\*Approval pending

<b>Total:</b>	<b>72</b>
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(Study Scheme - Chinese)

課程名稱 統計學	
修讀辦法  二〇一五至一六年度及以後入學學生適用	
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, STA3006, 3030, 4005, 4007, 4010, 4011*, 4020	12
(b) 從以下選修其中兩科： ACT4253, CSC4005, 4008, ECO2011, ERG3010, FIN2010, MKT2010	6
 *Approval pending	
共：	<hr/> 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, STA3006, 3007, 3030, 4001, 4003, 4007,  
4010\*, 4011\*
- (b) 從以下選修其中兩科: 6  
ACT4253, BGE4010, BME4005, ECO2011, FIN2010,  
MAT3007, MKT2010

\*Approval pending

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

\*Approval pending

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.

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

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。

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

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。