

(Study Scheme - English)

<b>Programme Title</b> Statistics	
<b>Study Scheme</b>  <p style="text-align: center;"><b>Applicable to students admitted in 2017-18 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, MAT3007,3280, 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
<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: CSC3001, 3002, 4008, ERG2050, 3010, STA2002, 3010, 3020, 3050, 4030	29
3.	Elective Courses:	
(a)	Four courses selected from the following: CSC4005, 4020, EIE3050, ERG3020, MAT3280, STA3006, 3007, 3100,3030, 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
<b>Total:</b>		<b>72</b>
<b>Financial Statistics 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: 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
<b>Total:</b>		<b>72</b>

(Study Scheme - Chinese)

<b>課程名稱</b> 統計學	
<b>修讀辦法</b>  二〇一七至一八年度及以後入學學生適用	
<b>主修課程要求</b>  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。	
<b>統計科學專修範圍</b>  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
<b>共：</b>	<b>72</b>
<b>數據科學專修範圍</b>  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

CSC3001, 3002, 4008, ERG2050, 3010, STA2002,  
3010, 3020, 3050, 4030

- |     |                                                                                                                       |    |
|-----|-----------------------------------------------------------------------------------------------------------------------|----|
| 3.  | 選修科目：                                                                                                                 |    |
| (a) | 從以下選修其中四科：<br>CSC4005, 4020, EIE3050, ERG3020, MAT3280, STA3006, 3007, 3100,3030,<br>4001, 4003,4005,4007, 4010, 4011 | 12 |
| (b) | 從以下選修其中兩科：<br>ACT4253, BGE4010, BME4005, ECO2011,FIN2010, MAT3007, MKT2010,<br>RMS4001, 4050, STA4020                 | 6  |

**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：

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

**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</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</b>	1 <sup>st</sup> term School Package: MAT2040 Major Required: ACT2111 <sup>[3]</sup> , ECO2011 <sup>[3]</sup> , STA2002,3010 <sup>[1][2]</sup> , 3050 <sup>[1][2]</sup>	3 8-9
	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: CSC3001 <sup>[2]</sup> , ECO3121 <sup>[3]</sup> , ERG3010 <sup>[2]</sup> ,2050 <sup>[1][2]</sup> , STA3007 <sup>[1]</sup> , 3020 <sup>[3]</sup> , 3050 <sup>[3]</sup> , 4030 <sup>[1]</sup> Major Elective(s): one course	8-9 3
<b>Third Year of Attendance</b>	2 <sup>nd</sup> term Major Required: CSC3002 <sup>[2]</sup> , 4008 <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</b>	2 <sup>nd</sup> term Major Elective(s): two courses	6
	<b>Total (Major Requirement including School Package):</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> , STA2002,3010 <sup>[1][2]</sup> , 3050 <sup>[1][2]</sup>	3 8-9
	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: CSC3001 <sup>[2]</sup> , ECO3121 <sup>[3]</sup> , ERG3010 <sup>[2]</sup> ,2050 <sup>[1][2]</sup> , STA3007 <sup>[1]</sup> , 3020 <sup>[3]</sup> , 3050 <sup>[3]</sup> , 4030 <sup>[1]</sup> 主修選修科目: 一科	8-9 3
<b>第三修業學年</b>	第二學期 主修必修科目: CSC3002 <sup>[2]</sup> , 4008 <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>	

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。