

(Study Scheme - English)

Programme Title

Bioinformatics

Study Scheme

Applicable to students admitted in 2017-18 and thereafter

Major Programme Requirement

Students are required to complete a minimum of 72 units of courses as follows:

	Units
1. School Package: BIO1001, CHM1001, CSC1001, 1002, MAT1001/1003, 1002/1004, MAT2040, PHY1001, STA2001	25
2. Required Courses: CSC 4008, 4020, 4120, GNB2001, 2002, 2003, 2005, 3001, 3002, MAT3300	29
3. Elective Courses: 6 to 7 courses selected from the following: BIO2032, CSC3002, GNB2004, 3003, 3004, 3005, 3006, 4001, 4003, 4005, STA2002, 3006	18
Total:	72

(Study Scheme - Chinese)

課程名稱

生物信息學

修讀辦法

二〇一七至一八年度及以後入學學生適用

主修課程要求

學生須至少修畢以下科目共 72 學分：

	學分
1. 學院課程： BIO1001, CHM1001, CSC1001, 1002, MAT1001/1003, 1002/1004, MAT2040, PHY1001, STA2001	25
2. 必修科目： CSC 4008, 4020, 4120, GNB2001, 2002, 2003, 2005, 3001, 3002, MAT3300	29
3. 選修科目： 從以下選修六至七科： BIO2032, CSC3002, GNB2004, 3003, 3004, 3005, 3006, 4001, 4003, 4005, STA2002, 3006	18

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>Bioinformatics</u>		
	Recommended Course Pattern	Units
First Year of Attendance	1 st term School Package: BIO1001, CHM1001, MAT1001/1003	9
	2 nd term School Package: CSC1001, 1002, MAT1002/1004, STA2001	10
Second Year of Attendance	1 st term School Package: MAT2040 Major Required: GNB2001, 2002	3 6
	2 nd term School Package: PHY1001 Major Required: GNB2003, 2005 Major Elective: one course from CSC3002, GNB3003, 3004, 3006, STA2002, 3006	5 3
Third Year of Attendance	1 st term Major Required: CSC4020, GNB3001 Major Elective(s): one course from CSC3002, GNB3003, 3004, 3006, STA2002, 3006	6 3
	2 nd term Major Required: CSC4008, GNB3002 Major Elective(s): one course from CSC3002, GNB3003, 3004, 3006, STA2002, 3006 or BIO2032 plus GNB2004 or GNB3005	6 3
Fourth Year of Attendance	1 st term Major Required: CSC4120, MAT3300 Major Elective(s): one course from CSC3002, GNB3003, 3004, 3006, 4001, 4003, 4005, STA2002, 3006	6 3
	2 nd term Major Elective(s): two courses from CSC3002, GNB3003, 3004, 3006, 4001, 4003, 4005, STA2002, 3006	6
Total (Major Requirement including School Package):		72

(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修課推介。

生物信息學主修課程要求		
	修課推介	學分
第一修業學年	第一學期 學院課程: BIO1001, CHM1001, MAT1001/1003	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: GNB2001, 2002	3 6
	第二學期 學院課程: PHY1001 主修必修科目: GNB2003, 2005 主修選修科目: 從 CSC3002, GNB3003, 3004, 3006, STA2002, 3006 選修一科	3 5 3
第三修業學年	第一學期 主修必修科目: CSC4020, GNB3001 主修選修科目: 從 CSC3002, GNB3003, 3004, 3006, STA2002, 3006 選修一科	6 3
	第二學期 主修必修科目: CSC4008, GNB3002 主修選修科目: 從 CSC3002, GNB3003, 3004, 3006, STA2002, 3006 選修一科; 或選修 BIO2032 加 GNB2004 或 GNB3005 一科	6 3
第四修業學年	第一學期 主修必修科目: CSC4120, MAT3300 主修選修科目: 從 CSC3002, GNB3003, 3004, 3006, 4001, 4003, 4005, STA2002, 3006 選修一科	6 3
	第二學期 主修選修科目: 從 CSC3002, GNB3003, 3004, 3006, 4001, 4003, 4005, STA2002, 3006 選修兩科	6
合共 (主修要求包括學院課程):		72