

(Study Scheme - English)

Programme Title Pharmaceutical Science	
Study Scheme Applicable to students admitted in 2021-22 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, 2001, CSC1001, 1002, MAT1001, PHY1001	19
2. Required Courses: BIO2001, 2004, 2101, CHM2002, 2003, PHM2001, 2002, 2003, 2004, 2005, 2006, 2008, 3001, 3002, 3003, 3006, 3015, 4001, 4002	49
3. Elective Courses: 4 units from the following courses: BIM3014, PHM3005, 3008, 3017	4
Total:	<hr/> 72

(Study Scheme – Chinese)

課程名稱

藥學

修讀辦法

二〇二一至二二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：

	Units
1. 學院課程： BIO1001, CHM1001, 2001, CSC1001, 1002, MAT1001, PHY1001	19
2. 必修科目： BIO2001, 2004, 2101, CHM2002, 2003, PHM2001, 2002, 2003, 2004, 2005, 2006, 2008, 3001, 3002, 3003, 3006, 3015, 4001, 4002	49
3. 選修科目： 從以下選修 4 學分： BIM3014, PHM3005, 3008, 3017	4
Total:	72

(Recommended Course Pattern – English)

Recommended Course Pattern

1. 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.
2. Programmes with different streams/concentrations are required to provide the recommended pattern for each stream/concentration.

	Major Programme Requirement of <u>Pharmaceutical Science</u>	
	Recommended Course Pattern	Units
First Year of Attendance	1 st term School Package: CHM1001, CSC1001, MAT1001	9
	2 nd term School Package: BIO1001, CHM2001, CSC1002, PHY1001	10
Second Year of Attendance	1 st term Major Required: BIO2004, 2101, CHM2002, 2003, PHM2002	12
	2 nd term Major Required: BIO2001, PHM 2001, 2006, 2008	11
Third Year of Attendance	1 st term Major Required: PHM2003, 2004, 2005, 3002	11
	2 nd term Major Required: PHM3001, 3003, 3006, 3015	9
Fourth Year of Attendance	1 st term Major Required: PHM4001 Major Elective(s): 0-4 units	3 0-4
	2 nd term Major Required: PHM4002 Major Elective(s): 0-4 units	3 0-4
	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) 信息科技一學分；(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。

藥學主修課程要求		
	修課推介	學分
第一修業學年	第一學期 學院課程：CHM1001, CSC1001, MAT1001	9
	第二學期 學院課程：BIO1001, CHM2001, CSC1002, PHY1001	10
第二修業學年	第一學期 主修必修科目：BIO2004, 2101, CHM2002, 2003, PHM2002	12
	第二學期 主修必修科目：BIO2001, PHM 2001, 2006, 2008	11
第三修業學年	第一學期 主修必修科目：PHM2003, 2004, 2005, 3002	11
	第二學期 主修必修科目：PHM3001, 3003, 3006, 3015	9
第四修業學年	第一學期 主修必修科目：PHM4001 主修選修科目：0-4 學分	3 0-4
	第二學期 主修必修科目：PHM4002 主修選修科目：0-4 學分	3 0-4

	合共 (主修要求包括學院課程):	72
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Course List

I. School Package

Course Code	Course Title (English)	Course Title (Chinese)	Unit(s)
BIO1001	General Biology	普通生物學	3
CHM1001	General Chemistry	普通化學	3
CHM2001	Organic Chemistry	有機化學	3
CSC1001	Introduction to Computer Science: Programming Methodology	計算機科學導論：程式設計方法	3
CSC1002	Computational Laboratory	計算機實驗	1
MAT1001	Calculus I	微積分 (一)	3
PHY1001	Mechanics	力學	3

II. Major Required

Course Code	Course Title (English)	Course Title (Chinese)	Unit(s)
BIO2001	Bioethics	生物倫理學	1
BIO2004	Biochemistry	生物化學	3
BIO2101	Comprehensive Biology Laboratory	綜合生物科學實驗	3
CHM2002	Physical Chemistry	物理化學	2
CHM2003	Analytical Chemistry	分析化學	2
PHM2001	Human Anatomy and Physiology	人體解剖學和生理學	4
PHM2002	Medicinal Microbiology	藥學微生物學	2
PHM2003	Pharmaceutical Science Laboratory I	綜合藥學實驗 (一)	3
PHM2004	Principles of Pharmacology and Therapeutics	藥理學和治療學原理	3
PHM2005	Fundamentals of Pharmaceutics	藥劑學基礎	3
PHM2006	Medicinal Chemistry	藥物化學	3
PHM2008	Comprehensive Chemistry Laboratory	綜合化學實驗	3
PHM3001	Quality Assurance and Pharmaceutical Analysis	質量保證和藥物分析	2
PHM3002	Pharmacokinetics	藥代動力學	2
PHM3003	Pharmaceutical Science Laboratory II	綜合藥學實驗 (二)	3
PHM3006	Drug Discovery, Development and Regulation	藥物發現、開發和監管	2
PHM3015	Traditional Chinese Medicine and Natural Drugs	中醫藥及天然藥物	2
PHM4001	Final Year Research Project I	畢業設計項目 (一)	3
PHM4002	Final Year Research Project II	畢業設計項目 (二)	3

III. Major Elective

Course Code	Course Title (English)	Course Title (Chinese)	Unit(s)
BIM3014	Statistical Biological Database and Data Visualization	統計生物數據庫和數據可視化	3
PHM3005	Biologics and Immunotherapy	生物製劑及免疫治療	2
PHM3008	Toxicology	毒理學	2
PHM3017	Pharmacogenomics	藥物基因組學	2