

## (Study Scheme - English)

<b>Programme Title</b>	
New Energy Science and Engineering	
<b>Study Scheme</b>	
<b>Applicable to students admitted in 2017-18 and thereafter</b>	
<b>Major Programme Requirement</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, STA2001, PHY1001	25
2. Required Courses: CHM1002, 2002, ENE3001, 3002, 3050, 4003, MAT2002, PHY1002, 2001, 2002, 3006	29
3. Elective Courses: 18 units of courses selected from the following: CHM2001, CSC3002, 3150, 4020*, ENE3003, 3004, 3005, 3006, 4001, 4002, 4004, 4005, 4007, 4008*, 4009*, 4010*, 4011*, 4012*, 4013*, MAT3007, 3220, STA2002, MSE3002, 3007, 3009, 4003, 4005, PHY2010*, 3007, 4001, 4221	18
<b>Total:</b>	<b>72</b>

## (Study Scheme - Chinese)

<b>課程名稱</b> 新能源科學與工程	
<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>	
學生須至少修畢以下科目共 72 學分：	
	學分
1. 學院課程： BIO2001, CHM1001, CSC1001, 1002, MAT1001/1003, 1002/1004, 2040, STA2001, PHY1001	25
2. 必修科目： CHM1002, 2002, ENE3001, 3002, 3050, 4003, MAT2002, PHY1002, 2001, 2002,3006	29
3. 選修科目： 從以下選修18學分： CHM2001, CSC3002, 3150, 4020*, ENE3003, 3004, 3005, 3006, 4001, 4002, 4004, 4005, 4007, 4008*, 4009*, 4010*, 4011*, 4012*, 4013*, MAT3007, 3220, STA2002, MSE3002, 3007, 3009, 4003, 4005, PHY2010*,3007, 4001, 4221	18
<b>共：</b>	<b>72</b>

## (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 **6** each stream/concentration.

<b>Major Programme Requirement of <u>New Energy Science and Engineering</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 Major Required:	9
	2 <sup>nd</sup> term School Package: CSC1001, 1002, MAT1002/1004, STA2001 Major Required:	10
<b>Second Year of</b>	1 <sup>st</sup> term School Package: MAT2040 Major Required: PHY1002, CHM1002, 2002	3 6
	2 <sup>nd</sup> term School Package: BIO2001 Major Required: PHY2001, MAT2002	3 6
<b>Third Year of Attendance</b>	1 <sup>st</sup> term Major Required: ENE3001, 3050*, PHY2002 Major Elective(s): one to two course(s) from CHM2001, CSC3002, 3150, 4020*, ENE3003, 3004, 3005, 3006, 4001, 4002, 4004, 4005, 4007, MAT3007, 3220, STA2002, MSE3002, 3007, 3009, 4003,4005, PHY2010*,3007, 4001, 4221	9 2-6
	2 <sup>nd</sup> term Major Required: PHY3006, ENE3002 Major Elective(s): one to two course(s) from CHM2001, CSC3002, 3150,4020*, ENE3003, 3004, 3005, 3006, 4001, 4002, 4004, 4005, 4007, 4008*, 4009*, 4010*, 4011*, 4012*, 4013*, MAT3007, 3220, STA2002, MSE3002, 3007, 3009, 4003,4005, PHY2010*,3007, 4001, 4221	5 2-6
<b>Fourth Year of Attendance</b>	1 <sup>st</sup> term Major Required: ENE4003 Major Elective(s): one to <b>three</b> course(s) from CHM2001, CSC3002, 3150, 4020*, ENE3003, 3004, 3005, 3006, 4001, 4002, 4004, 4005, 4007, 4008*, 4009*, 4010*, 4011*, 4012*, 4013*,MAT3007, 3220, STA2002, MSE3002, 3007, 3009, 4003, 4005, PHY2010*,3007, 4001, 4221	3 2-9
	2 <sup>nd</sup> term Major Elective(s): three to four course(s) from CHM2001, CSC3002, 3150, 4020*, ENE3003, 3004, 3005, 3006, 4001, 4002, 4004, 4005, 4007, 4008*, 4009*, 4010*, 4011*, 4012*, 4013*,MAT3007, 3220, STA2002, MSE3002, 3007, 3009, 4003, 4005, PHY2010*,3007, 4001, 4221	8-12
<b>Total (Major Requirement including School Package):</b>		<b>72</b>

## (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。

新能源科學與工程主修課程要求		
	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: PHY1002, CHM1002, 2002	3 6
	第二學期 學院課程: BIO2001 主修必修科目: PHY2001, MAT2002	3 6
第三修業學年	第一學期 主修必修科目: ENE3001, 3050*, PHY2002 主修選修科目: 從CHM2001, CSC3002, 3150, 4020*, ENE3003, 3004, 3005, 3006, 4001, 4002, 4004, 4005, 4007, MAT3007, 3220, STA2002, MSE3002, 3007, 3009, 4003,4005, PHY2010*,3007, 4001, 4221選修一至兩科	9 2-6
	第二學期 主修必修科目: PHY3006, ENE3002 主修選修科目: 從CHM2001, CSC3002, 3150,4020*, ENE3003, 3004, 3005, 3006, 4001, 4002, 4004, 4005, 4007, 4008*, 4009*, 4010*, 4011*, 4012*, 4013*, MAT3007, 3220, STA2002, MSE3002, 3007, 3009, 4003,4005, PHY2010*,3007, 4001, 4221選修一至兩科	5 2-6
第四修業學年	第一學期 主修必修科目: ENE4003 主修選修科目: 從CHM2001, CSC3002, 3150, 4020*, ENE3003, 3004, 3005, 3006, 4001, 4002, 4004, 4005, 4007, 4008*, 4009*, 4010*, 4011*, 4012*, 4013*,MAT3007, 3220, STA2002, MSE3002, 3007, 3009, 4003,4005, PHY2010*,3007, 4001, 4221選修一至三科	3 2-9
	第二學期 主修選修科目: 從CHM2001, CSC3002, 3150, 4020*, ENE3003, 3004, 3005, 3006, 4001, 4002, 4004, 4005, 4007, 4008*, 4009*, 4010*, 4011*, 4012*, 4013*,MAT3007, 3220, STA2002, MSE3002, 3007, 3009, 4003,4005, PHY2010*,3007, 4001, 4221選修三至四科	8-12
合共 (主修要求包括學院課程):		72