

(Study Scheme - English)

<b>Programme Title</b> New Energy Science and Engineering	
<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>	
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, ENE3003, 3004, 3005, 3006, 4001, 4002, 4004, 4005, 4006, 4007, MAT3007, 3220, STA2002, MSE3002, 3007, 3009, 4003, 4005, PHY3007, 3201, 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>  二〇一五至一六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, ENE3003, 3004, 3005, 3006, 4001, 4002, 4004, 4005, 4006, 4007, MAT3007, 3220, STA2002, MSE3002, 3007, 3009, 4003, 4005, PHY3007, 3201, 4001, 4221	18
<b>共：</b>	<hr/> <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 for 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 Attendance</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 Attendance</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: PHY2002, ENE3001 Major Elective(s): one to two course(s) from CHM2001, CSC3002, 3150, ENE3003, 3004, 3005, 3006, 4001, 4002, 4004, 4005, 4006, 4007, MAT3007, 3220, STA2002, MSE3002, 3007, 3009, 4003, 4005, PHY3007, 3201, 4001, 4221	6 2-6
	2 <sup>nd</sup> term Major Required: PHY3006, ENE3002 Major Elective(s): one to two course(s) from CHM2001, CSC3002, 3150, ENE3003, 3004, 3005, 3006, 4001, 4002, 4004, 4005, 4006, 4007, MAT3007, 3220, STA2002, MSE3002, 3007, 3009, 4003, 4005, PHY3007, 3201, 4001, 4221	5 2-6
<b>Fourth Year of Attendance</b>	1 <sup>st</sup> term Major Required: ENE3050, 4003 Major Elective(s): one to two course(s) from CHM2001, CSC3002, 3150, ENE3003, 3004, 3005, 3006, 4001, 4002, 4004, 4005, 4006, 4007, MAT3007, 3220, STA2002, MSE3002, 3007, 3009, 4003, 4005, PHY3007, 3201, 4001, 4221	6 2-6
	2 <sup>nd</sup> term Major Elective(s): three to four course(s) from CHM2001, CSC3002, 3150, ENE3003, 3004, 3005, 3006, 4001, 4002, 4004, 4005, 4006, 4007, MAT3007, 3220, STA2002, MSE3002, 3007, 3009, 4003, 4005, PHY3007, 3201, 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。

<b>新能源科學與工程主修課程要求</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: PHY1002, CHM1002, 2002	3 6
	第二學期 學院課程: BIO2001 主修必修科目: PHY2001, MAT2002	3 6
<b>第三修業學年</b>	第一學期 主修必修科目: PHY2002, ENE3001 主修選修科目: 從CHM2001, CSC3002, 3150, ENE3003, 3004, 3005, 3006, 4001, 4002, 4004, 4005, 4006, 4007, MAT3007, 3220, STA2002, MSE3002, 3007, 3009, 4003, 4005, PHY3007, 3201, 4001, 4221選修一至兩科	6 2-6
	第二學期 主修必修科目: PHY3006, ENE3002 主修選修科目: 從CHM2001, CSC3002, 3150, ENE3003, 3004, 3005, 3006, 4001, 4002, 4004, 4005, 4006, 4007, MAT3007, 3220, STA2002, MSE3002, 3007, 3009, 4003, 4005, PHY3007, 3201, 4001, 4221選修一至兩科	5 2-6
<b>第四修業學年</b>	第一學期 主修必修科目: ENE4001, 4003 主修選修科目: 從CHM2001, CSC3002, 3150, ENE3003, 3004, 3005, 3006, 4001, 4002, 4004, 4005, 4006, 4007, MAT3007, 3220, STA2002, MSE3002, 3007, 3009, 4003, 4005, PHY3007, 3201, 4001, 4221選修一至兩科	6 2-6
	第二學期 主修選修科目: 從CHM2001, CSC3002, 3150, ENE3003, 3004, 3005, 3006, 4001, 4002, 4004, 4005, 4006, 4007, MAT3007, 3220, STA2002, MSE3002, 3007, 3009, 4003, 4005, PHY3007, 3201, 4001, 4221選修三至四科	8-12
<b>合共 (主修要求包括學院課程):</b>		<b>72</b>