

科目名稱/課號 Course Title/Course ID	修別 Type	學分 Credits	一年級 1 st year		二年級 2 nd year		課程分類 Category	備註 Remarks
			上	下	上	下		
			1	2	1	2		
新藥開發之智財權規範(Intellectual property rights and regulations of drug)/D6D000011	選(E)	1.0	1.0				所定選修(Elective Courses)	
製藥科技講座(一)(Lecture on pharmaceutical technology (I))/D6D000018	選(E)	1.0	1.0				所定選修(Elective Courses)	
高等機能性化妝品學(Advanced functional cosmetology)/D6D000009	選(E)	2.0		2.0			所定選修(Elective Courses)	
新藥開發流程(New Drug Development Flow)/D6D000010	選(E)	1.0		1.0			所定選修(Elective Courses)	
製藥科技講座(二)(Lecture on pharmaceutical technology (II))/D6D000019	選(E)	1.0		1.0			所定選修(Elective Courses)	
中草藥產業技術開發(Development in the TCM industrial technology)/D6D000013	選(E)	2.0			2.0		所定選修(Elective Courses)	
高等保健食品開發(Advanced health food development)/D6D000012	選(E)	2.0			2.0		所定選修(Elective Courses)	
合計 選修總學分(Elective subtotal)		10.0	2.0	4.0	4.0			

校內注意事項

一、校級畢業規定

(一)須完成修讀「實驗室安全」0學分、「研究倫理」0學分及「現代生物醫學講座」4學分課程。

(二)須通過校定博士生英文能力鑑定標準，相關規定依本校「學生英文能力鑑定實施辦法」辦理。(外籍生免修)

(三)教學助理訓練：博士生須完成至少2學期之教學助理訓練。(外籍生免修)

二、本學分表做為畢業應修課程學分之認定依據。

Note of CMU

1.University requirement for graduation.

(1)Students must take and pass the courses: Research Ethics (0 credit), Laboratory Safety (0 credit), and Lecture on Modern Biomedicine (4 credits).

(2)According to the regulation of CMU Students' English Proficiency Assessment, students must pass the English Proficiency requirement before graduation.

(Foreign students excluded)

(3)Teaching assistant training: All PhD students must complete at least two semester of teaching assistant training.

(Foreign students excluded)

2.This list is used as the recognition basis of courses and credits required for graduation.

生物科技產業博士學位學程注意事項

一、教育目標：

1. 培育醫藥界所需的國際轉譯醫學及生技產業創新創業高階人才。

2. 碩士1年選讀博士，博士第1年及第2年於學校修課，第3年及第4年於產業或法人實作研發並完成論文)，共計5年完成博士學位。

二、114學年度入學新生實施，最低畢業學分為42學分。

1. 必修學分:28學分

校級必修「現代生物醫學講座」4學分、「研究倫理」0學分、「實驗室安全」0學分

院級必修「分子醫學」2學分及「進階分子細胞生物學」2學分

博士論文(專案報告)12學分

企業實習4學分

2. 選修學分：至少14學分

3. 須達到「中國醫藥大學學生英文能力鑑定實施辦法」規定之校外英文檢測鑑定標準或完成校內規定之配套措施。

Note of Ph.D. Program for Biotechnology Industry

I.Educational Objectives:

1.To cultivate high-level international translational medicine experts and innovative biotech industry leaders needed in the medical and pharmaceutical fields.

2.Students proceed from the first year of their Master's directly into the Ph.D. program. During the first and second years, students complete coursework at the university, while in the third and fourth years, they engage in research and development in industries or organizations and complete their dissertation. The Ph.D. degree is completed in five years.

II. Starting from the 2025 academic year (114th academic year), for new students, the minimum graduation credit requirement is 42 credits.

1.Required Credits: 28 credits

*University-level required courses: "Modern Biomedical Seminars" (4 credits), "Research Ethics" (0 credits), "Laboratory Safety" (0 credits)

*College-level required courses: "Molecular Medicine" (2 credits) and "Advanced Molecular Cell Biology" (2 credits)

*Seminar (4 credits)

*Doctoral Dissertation (Project Report) (12 credits)

*Industry Internship (4 credits)

2.Elective Credits: At least 14 credits

3.Students must meet the external English proficiency standards as stipulated by the "China Medical University English Proficiency Test Implementation Guidelines" or complete the university's specified supplementary measures.