

中國醫藥大學 生命科學院細胞生物學研究所碩士班 必修畢業學分認定表 114 學年度入學適用

China Medical University Graduate Institute of Cell Biology Requirement for Master Program (Applicable for 2025-2026 Enrollees)

科目名稱/課號 Course Title/Course ID	修別 Type	學分 Credits	一年級 Freshman		二年級 Sophomore		可供博士班上修 (請打勾) Available for Ph.D. Program (check)	可供學士班上修 (請打勾) Available for Undergraduate (check)	課程分類 Category	備註 Remarks
			上 1	下 2	上 1	下 2				
分子醫學(Molecular medicine)/BID000006	必(R)	2.0	2.0					√	院定必修(College Required Courses)	全英文授課。由生命科學院開課，生化所、細生所同學請選班別B。(English course. Offered by the College of Life Sciences, student of the Graduate Institute of Cell Biology please select Class B.)
專題討論(Seminar)/BID000009	必(R)	1.0	1.0					√	院定必修(College Required Courses)	由生命科學院開課，一年級請選班別A；二年級請選班別B；外籍生請選班別C。(Offered by the College of Life Sciences. International students, please select Class C (English course).)
進階分子細胞生物學(Advanced molecular cell biology)/BID000007	必(R)	2.0	2.0					√	院定必修(College Required Courses)	由生命科學院開課，本籍生請選班別A；外籍生請選班別B。(Offered by the College of Life Sciences. International students, please select Class B (English course).)
專題討論(Seminar)/BID000011	必(R)	1.0		1.0				√	校定必修(校定必修)	由生命科學院開課，一年級請選班別A；二年級請選班別B；外籍生請選班別C。(Offered by the College of Life Sciences. International students, please select Class C (English course).)
專題討論(Seminar)/BID000012	必(R)	1.0			1.0			√	院定必修(College Required Courses)	由生命科學院開課，選課系統一年級請選班別A；二年級請選班別B；外籍生請選班別C(Offered by the College of Life Sciences. International students, please select Class C (English course).)
專題討論(Seminar)/BID000013	必(R)	1.0				1.0		√	院定必修(College Required Courses)	由生命科學院開課，選課系統一年級請選班別A；二年級請選班別B；外籍生請選班別C(Offered by the College of Life Sciences. International students, please select Class C (English course).)
碩士論文(M. S. Thesis)/MQM000014	必(R)	6.0				6.0			校定必修(校定必修)	
合計 必修總學分 (Requirement subtotal)		14.0	5.0	1.0	1.0	7.0				

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學分及「研究倫理」0學分課程。
  - (二)須通過校定碩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：碩士生須完成至少1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

- University requirement for graduation.
- (1)Students must take and pass the courses: Research Ethics(0 credit) and Laboratory Safety (0 credit).
  - (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 Master students must complete at least one semester of teaching assistant training.  
(Foreign students excluded)
- 2.This list is used as the recognition basis of courses and credits required

細胞生物學研究所碩士班注意事項

研究所碩士班注意事項：

一、教育目標:本所從生物學、細胞結構學、基礎醫學、化學、到藥物研發與應用之研究與教學均有涵蓋。培養細胞生物領域優秀之基礎科學研究人才，除充實學生在專業細胞生物學上面的知識與能力外，更著重強調本校各主要研究範圍內基礎專業知識，使其具備良好之跨領域合作與獨立研究的能力，為將來進入博士班深造或進入業界做準

二、114年度入學新生實施。本所碩士班修業一至四年，最低畢業學分為30學分。含院級及所級必修8學分，選修16學分，碩士論文6學分。

三、研究生修業期間除修習各系所規定應修課程外，尚須完成下列校定課程之研修及基本能力：

(一)「實驗室安全」-碩博士班校級必修 0 學分。

(二)「研究倫理」-碩博士班校級必修 0 學分。

(三)英文能力：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。(外籍生免修)

(四)教學訓練：碩士生須完成至少1學期之教學訓練。(外籍生免修)

單位主管簽章：

Note of Graduate Institute of Cell Biology

1.Educational Objectives:

Our institute encompasses research and teaching across various fields, including biology, medicine, chemistry, structural studies, and drug development. We aim to cultivate outstanding researchers in biochemistry and molecular biology by equipping students with specialized knowledge and skills in these disciplines. Additionally, we emphasize foundational expertise in our institution's key research areas, fostering strong interdisciplinary collaboration and independent research capabilities. This prepares students for further doctoral studies or careers in the industry.

2.The Master's Graduate Institute of Cell Biology (GICB) is a one-to-four-year program. Minimum credits required for graduation is 30 credits, including 8 credits from required courses (both College and Institute required courses), 16 credits from elective courses and 6 credits of Master's thesis research.

3. Besides taking the required courses as stipulated by each department in the study period, GICB students shall complete the training of the following courses as stipulated by the school:

(1) Laboratory safety – A school-level required course in the Master's Program and Doctoral Program with 0 credits.

(2) Research Ethics - A school-level required course in the Master's Program and Doctoral Program with 0 credits.

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

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China Medical University Graduate Institute of Cell Biology Elective for Master Program (Applicable for 2025-2026 Enrollees)

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列印日期(Date)：114年8月26日

科目名稱/課號 Course Title/Course ID	修別 Type	學分 Credits	一年級		二年級		可供博士班下修 (請打勾) Available for Ph.D. Program (check)	可供學士班上修 (請打勾) Available for Undergraduate (check)	課程分類 Category	備註 Remarks
			Freshman		Sophomore					
			上	下	上	下				
生物科技實驗方法與原理(Methods and principles of biotechnology experiments)/BIM000010	選(E)	2.0	2.0						所定選修(Elective Courses)	由生命科學院開課
致癌基因特論(Special topics on Oncogene)/MQM000015	選(E)	2.0	2.0						所定選修(Elective Courses)	全英文授課，選課前請與授課教師聯繫。(English course. Please contact the instructor before enrolling.)
基因編輯之原理與應用(The principle and applications of genome editing)/MQM000008	選(E)	2.0	2.0						所定選修(Elective Courses)	全英文授課(English course.)
腫瘤細胞生物學研究法(Biethodology of tumor cell biology)/MQM000010	選(E)	2.0	2.0						所定選修(Elective Courses)	全英文授課，由生物醫學研究所開課。(English course. Offered by the Graduate Institute of Biomedical Sciences (Ph. D.))
生物資訊資料庫(Bioinformatic database)/MQM000012	選(E)	2.0		2.0					所定選修(Elective Courses)	
肥胖及糖尿病特論(Special topics on obesity and diabetes)/MQM000009	選(E)	2.0		2.0					所定選修(Elective Courses)	全英文授課(English course.)
細胞生物學中的生物物理方法(Biophysical methods in cell biology)/MQM000007	選(E)	2.0		2.0					所定選修(Elective Courses)	全英文授課(English course.)
腫瘤免疫學與免疫治療(Tumor Immunology & Immunotherapy)/MQM000017	選(E)	2.0		2.0					所定選修(Elective Courses)	全英文授課(English course)
腫瘤發展與惡化(Tumor development & progression)/MQM000011	選(E)	2.0		2.0					所定選修(Elective Courses)	全英文授課(English course.)
癌症標靶治療特論(Special topics on Cancer Target Therapy)/MQM000016	選(E)	2.0		2.0					所定選修(Elective Courses)	全英文授課，選課前請與授課教師聯繫。(English course. Please contact the instructor before enrolling.)
合計 選修總學分 (Elective subtotal)		20.0	8.0	12.0						

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