

中國醫藥大學 生命科學院生物科技學系碩士班 必修畢業學分認定表 111 學年度入學適用

China Medical University Graduate Institute of Biological Science and Technology Requirement for Master Program (Applicable for 2022-2023 Enrollees)

第 1 頁 / 共 2 頁

列印日期(Date)：113年12月19日

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	下	上	下				
			1	2	1	2				
分子醫學(Molecular medicine)/D0D000028	必(R)	2.0	2.0						院定必修(College Required Courses)	全英文課程(Full English)
功能性基因體學(Functional genomics)/78M000038	必(R)	2.0	2.0						所定必修(Required Courses)	外籍生可修「高等蛋白質體學暨轉譯醫學應用」來進行替代(International students can take 「Advanced proteomics and translational medicine」 for transferring credits)
專題討論(一)(Seminar (I))/78M000046	必(R)	1.0	1.0						所定必修(Required Courses)	外籍生可修博士班「專題討論(一)」來進行替代(International students can take 「Seminar I」 of Ph.D. for transferring credits)
進階分子細胞生物學(Advanced molecular cell biology)/D0D000021	必(R)	2.0	2.0						院定必修(College Required Courses)	外籍生可修「進階癌症生物學與抗癌藥物」來進行替代(International students can take 「Advanced cancer oncology and anti-cancer drug」 for transferring credits)
專題討論(二)(Seminar (II))/78M000089	必(R)	1.0		1.0					所定必修(Required Courses)	外籍生可修博士班「專題討論(二)」來進行替代(International students can take 「Seminar II」 of Ph.D. for transferring credits)
專題討論(三)(Seminar (III))/78M000086	必(R)	1.0			1.0				所定必修(Required Courses)	全英文課程(Full English)
專題討論(四)(Seminar(IV))/78M000087	必(R)	1.0				1.0			所定必修(Required Courses)	全英文課程(Full English)
碩士論文(M. S. Thesis)/78M000071	必(R)	6.0				6.0			校定必修-論文(University Required Courses-Thesis)	
合計 必修總學分 (Requirement subtotal)		16.0	7.0	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。

生物科技學系碩士班注意事項

- 一、教育目標：1. 藉由專業知識之精進以創新近代生物科技之應用
2. 培養頂尖專業生技產學界之研究人才
- 二、111學年度入學新生實施。本系碩士班修業2年，最低畢業學分為30學分，含院級必修「分子醫學」2學分、「進階分子細胞生物學」2學分和系必修6學分，選修14學分，碩士論文6學分。

Note of CMU

- University requirement for graduation
- (1)Students must take and pass the courses Research ethics and Laboratory safety. (0 credit courses)
- (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 for graduation.

Note of Graduate Institute of Biological Science and Technology

*The master program is a two-year course. Minimum credits required for graduation is 30 credits, including 10 credits from required courses (including College-“Molecular medicine”, “Advanced molecular cell biology”and Institute-level courses), 14 credits from elective courses and 6 credits of doctoral thesis research.

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China Medical University Graduate Institute of Biological Science and Technology Requirement for Master Program (Applicable for 2022-2023
Enrollees)

單位主管簽章：

中國醫藥大學 生命科學院生物科技學系碩士班 選修畢業學分認定表 111 學年度入學適用

China Medical University Graduate Institute of Biological Science and Technology Elective for Master Program (Applicable for 2022-2023 Enrollees)

第 1 頁 / 共 2 頁

列印日期(Date) : 113年12月19日

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
			上	下	上	下				
			1	2	1	2				
DNA損害和修補途徑(DNA damage & repair pathways)/78M000055	選(E)	2.0	2.0					√	所定選修(Elective Courses)	
人類疾病動物模式(Animal models of human disease)/78M000092	選(E)	2.0	2.0					√	所定選修(Elective Courses)	
分子心臟學(Molecular cardiology)/78M000016	選(E)	2.0	2.0					√	所定選修(Elective Courses)	全英文授課(Full English)
分子技術學特論(Special topics on molecular technology)/78M000049	選(E)	2.0	2.0					√	所定選修(Elective Courses)	
生物技術專題講座(一)(Lecture on biotechnology (I))/78M000050	選(E)	1.0	1.0					√	所定選修(Elective Courses)	
生物統計學特論(Special topics on biostatistics)/78M000078	選(E)	2.0	2.0						所定選修(Elective Courses)	
生物辨證(Biometrics)/78M000099	選(E)	2.0	2.0						所定選修(Elective Courses)	
生態系變遷與人類健康專題(Special issue on ecosystem change & human health)/78M000096	選(E)	2.0	2.0					√	所定選修(Elective Courses)	
奈米醫學特論(Special topics on nanomedicine)/78M000058	選(E)	2.0	2.0					√	所定選修(Elective Courses)	
訊息傳遞路徑特論(Special topics on signal transduction)/78M000048	選(E)	2.0	2.0					√	所定選修(Elective Courses)	
基因藥物與生技(Gene drugs & biotechnology)/78M000072	選(E)	2.0	2.0					√	所定選修(Elective Courses)	
智財權法規(Intellectual property rights laws)/78M000083	選(E)	1.0	1.0					√	所定選修(Elective Courses)	
酵素學特論(Special topics on enzymology)/78M000074	選(E)	2.0	2.0					√	所定選修(Elective Courses)	
癌症化學預防特論(Special topics on cancer chemoprevention)/78M000019	選(E)	1.0	1.0					√	所定選修(Elective Courses)	
生技產業特論(Special topics on biotechnology industry)/78M000033	選(E)	2.0		2.0				√	所定選修(Elective Courses)	
生物分子修飾技術(Bioconjugation chemistry)/78M000085	選(E)	2.0		2.0				√	所定選修(Elective Courses)	全英文授課(Full English)
生物技術專題講座(二)(Lecture on biotechnology (II))/78M000051	選(E)	1.0		1.0				√	所定選修(Elective Courses)	
生物材料和生物醫學應用(Biomaterials and biomedical applications)/78M000097	選(E)	2.0		2.0				√	所定選修(Elective Courses)	全英文授課(Full English)
生態毒理學(Ecotoxicology)/78M000081	選(E)	2.0		2.0				√	所定選修(Elective Courses)	全英文授課(Full English)
生醫流體力學(Biofluid dynamics)/78M000028	選(E)	2.0		2.0					所定選修(Elective Courses)	
生醫影像原理與應用(Biomedical imaging : principals & applications)/78M000094	選(E)	2.0		2.0				√	所定選修(Elective Courses)	
表像遺傳學(Epigenetics)/78M000027	選(E)	2.0		2.0				√	所定選修(Elective Courses)	
細胞自噬研究特論(Special topics on autophagy)/78M000093	選(E)	2.0		2.0				√	所定選修(Elective Courses)	
蛋白質轉譯後修飾特論(Special topics on protein post-translational modification)/78M000098	選(E)	2.0		2.0					所定選修(Elective Courses)	
新藥開發流程(New drug development flow)/78M000082	選(E)	1.0		1.0				√	所定選修(Elective Courses)	
腫瘤生物學特論(Special topics on cancer biology)/78M000034	選(E)	1.0		1.0				√	所定選修(Elective Courses)	
酵素動力學(Enzyme kinetics)/78M000036	選(E)	2.0		2.0				√	所定選修(Elective Courses)	
免疫學特論(Special topics on immunology)/78M000052	選(E)	2.0			2.0			√	所定選修(Elective Courses)	
合計 選修總學分 (Elective subtotal)		50.0	25.0	23.0	2.0					

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