

PhD Program in Life Sciences – Biomedical Chemistry
Curriculum and Credit Requirements for Academic Year 2025 (114)
【First Year】

(本表為 114 學年度入學學生適用)

科 目 名 稱			必/選修 通識	規定 學分	學分數		主負責教師	
課程 代碼	中文	英文			上	下	職號	姓名
MAIR0	學術倫理暨專題討論 (EN/EMI)	Academic Integrity and Seminar(EN/EMI)	必修/ Required	2	1	1	985007	黃俊贏
MTAF4	高級化學尖端領域特 論(一) (EN/EMI)	Special Topics in Advanced frontier areas of chemistry(I) (EN/EMI)	必修/ Required	2	2		1015004	林韋佑
MTAF5	高級化學尖端領域特 論(二) (EN/EMI)	Special Topics in Advanced frontier areas of chemistry(II) (EN/EMI)	必修/ Required	2		2	1015004	林韋佑
MSPL0	特別演講 (EN/EMI)	Special Lecture(EN/EMI)	必修/ Required	0	0	0	1055022	庫碼
MPCM0	教學實習 (EN/EMI)	Professional Practice in Chemistry (EN/EMI)	必修/ Required	0	0	0	815012	杜采漣
必 修 科 目 學 分 總 數 合 計				6				
MCHC8	高級無機化學特論 (一) (EN/EMI)	Special Topics in Advanced Inorganic Chemistry (I) (EN/EMI)	選修/ Elective	2	2		1075015	陳嘉祥
MCHC9	高級無機化學特論 (二) (EN/EMI)	Special Topics in Advanced Inorganic Chemistry (II) (EN/EMI)	選修/ Elective	2		2	1075015	陳嘉祥
MADV2	高級物理化學特論 (EN/EMI)	Special Topics in Advanced Physical Chemistry (EN/EMI)	選修/ Elective	2	2		805007	王麗芳
MMMA 2	高級藥物化學特論 (EN/EMI)	Special Topics in Advanced Medicinal Chemistry (EN/EMI)	選修/ Elective	2	2		1095055	李偉鵬
MAAY2	高級分析化學特論 (一) (EN/EMI)	Special Topics in Advanced Analytical Chemistry (I) (EN/EMI)	選修/ Elective	2	2		1055022	庫碼
MAAY3	高級分析化學特論 (二) (EN/EMI)	Special Topics in Advanced Analytical Chemistry (II) (EN/EMI)	選修/ Elective	2		2	1055022	庫碼
DAHC1	高級雜環化學特論 (EN/EMI)	Special Topics in Advanced Heterocyclochemistry (EN/EMI)	選修/ Elective	2	2		945032	高佳麟
MOGC7	高級有機化學特論 (EN/EMI)	Special Topics in Advanced Organic Chemistry (EN/EMI)	選修/ Elective	2		2	945032	高佳麟
MABM3	高級生物有機化學特 論 (一) (EN/EMI)	Special Topics in Advanced Bioorganic Chemistry (I) (EN/EMI)	選修/ Elective	2	2		795065	王志鈺
MABM4	高級生物有機化學特 論 (二) (EN/EMI)	Special Topics in Advanced Bioorganic Chemistry (II) (EN/EMI)	選修/ Elective	2		2	795065	王志鈺

PhD Program in Life Sciences – Biomedical Chemistry
Curriculum and Credit Requirements for Academic Year 2025 (114)
【Second Year】

(本表為 114 學年度入學學生適用)

科 目 名 稱			必/選修 通識	規定 學分	學分數		主負責教師	
課程 代碼	中文	英文			上	下	職號	姓名
MSSW1	專 題 討 論 (EN/EMI)	Seminar(EN/EMI)	必修/ Required	2	1	1	1055022	庫碼
MSPL0	特 別 演 講 (EN/EMI)	Special Lecture(EN/EMI)	必修/ Required	0	0	0	1055022	庫 碼
MPCM0	教 學 實 習 (EN/EMI)	Professional Practice in Chemistry(EN/EMI)	必修/ Required	0	0	0	1015004	林韋佑
必 修 科 目 學 分 總 數 合 計				2				
選 修 科 目 學 分 總 數 合 計				0				

Notes:

- Graduate students in the **Division of Biomedical Chemistry** must complete at least **18 credits** in addition to the **12 credits of the doctoral dissertation**, including **4 credits of Seminars**, **4 credits of Required Professional Courses**, and **10 credits of Electives**.
- Graduate students must take at least **4 credits of cross-disciplinary elective courses**.
- Graduate students may register for **a maximum of 15 credits per semester**.
- Elective courses will only be offered if at least **3 students enroll**.
- With the approval of the academic advisor and the program director, credits earned from courses offered by other departments/institutes of this university, or by partner universities with which KMU has signed agreements, may be recognized toward the program requirements.
- With the approval of the academic advisor and the program director, students may take **Biostatistics-related courses** offered by other departments of the university.
- According to Article 3, Subparagraph 6 of the *KMU Regulations on the Calculation of Teaching Hours for Faculty Members*, if a course is approved and offered as an **English-Medium Instruction (EMI) course** by the university's three-level curriculum review committees (excluding English language courses), the teaching hours of domestic faculty members may be counted at **double value**.
- Doctoral students must pass the **General English Proficiency Test (GEPT) High-Intermediate Level – First Stage (Listening and Reading)** or an equivalent English proficiency test at the **CEFR B2 Vantage level** before applying for the doctoral degree examination. For details and equivalency tables, please refer to the KMU English Proficiency Test Comparison Table(<https://academic.kmu.edu.tw/index.php/zh-tw/註冊課務專區/英文畢業門檻>). Students who have previously taken an English proficiency test during their study but did not meet the required standard may be deemed as having fulfilled the requirement if they complete and pass remedial English courses offered by the KMU Center for Language and Culture.

9. During the **first semester of study**, graduate students are required to complete self-directed learning on the **Taiwan Academic Ethics Education Resource Center platform** and pass the final test to obtain a certificate of completion, which is a prerequisite for applying for the degree examination.
10. For courses taken from undergraduate programs, the **passing grade is 60/100**. Students who fail are not allowed to retake the examination. The credits and grades of such undergraduate courses will not be included in the calculation of semester GPA, cumulative GPA, or total graduation credits.

PhD Program in Life Sciences – Division of Biological Sciences / Division of Clinical
Medicine Curriculum and Credit Requirements for Academic Year 2025 (114)
【First Year】

(本表為 114 學年度入學學生適用)

科 目 名 稱			必/選修 通識	規定 學分	學分數		主負責教師	
課程 代碼	中文	英文			上	下	職號	姓名
MAIR0	學術倫理暨專題討論 (EN/EMI)	Academic Integrity and Seminar (EN/EMI)	必修/ Required	2	1	1	1085014	劉佩芬
MLSB3	高級生命科學特論 (EN/EMI)	Special Topics in Advanced Life Sciences (EN/EMI)	必修/ Required	2	2		1085014	劉佩芬
必 修 科 目 學 分 總 數 合 計				4				
MAEA0	高級實驗方法學特論 (EN/EMI)	Special Topics in Advanced Experimental Approaches (EN/EMI)	選修/ Elective	2		2	1035011	譚漢詩
MAJB0	高級生物科學期刊特論 (一) (EN/EMI)	Special Topics in Advanced the Journals of Biology (I) (EN/EMI)	選修/ Elective	2	2		1025023	蘇詠超
MAJB1	高級生物科學期刊特論 (二) (EN/EMI)	Special Topics in Advanced the Journals of Biology (II) (EN/EMI)	選修/ Elective	2		2	1025023	蘇詠超
MEPH0	高級環境與公共衛生科學特論 (EN/EMI)	Special Topics in Advanced Environmental and Public Health Sciences (EN/EMI)	選修/ Elective	2	2		1035011	譚漢詩
MOMI0	高級生命科學組學方法特論 (EN/EMI)	Special Topics in Advanced OMICs Approaches in Life Sciences (EN/EMI)	選修/ Elective	2	2		1035011	譚漢詩
MEBS0	高級演化生物學特論 (EN/EMI)	Special Topics in Advanced Evolutionary Biology (EN/EMI)	選修/ Elective	3	3		1065010	蘇詠超
MTEM0	高級生態學研究方法特論 (一) (EN/EMI)	Special Topics in Advanced Ecological Methods(I) (EN/EMI)	選修/ Elective	3	3		1065010	蘇詠超
MTEM1	高級生態學研究方法特論 (二) (EN/EMI)	Special Topics in Advanced Ecological Methods(II) (EN/EMI)	選修/ Elective	3		3	1065010	蘇詠超
MSAP6	高級植物生理學特論 (EN/EMI)	Special Topics in Advanced Plant Physiology (EN/EMI)	選修/ Elective	3		3	995011	黃斌
MTIB6	高級生物資訊特論 (EN/EMI)	Special Topics in Advanced Introduction of Bioinformatics	選修/ Elective	3		3	925019	張學偉

		(EN/EMI)						
MSAN6	高級神經生物學特論 (EN/EMI)	Special Topics in Advanced Neurobiology (EN/EMI)	選修/ Elective	3		3	1005004	王志煜
MSAG6	高級基因體學特論 (EN/EMI)	Special Topics in Advanced Genomics (EN/EMI)	選修/ Elective	3		3	925019	張學偉
MTST0	高級訊息傳遞特論 (EN/EMI)	Special Topics in Advanced Signal Transduction (EN/EMI)	選修/ Elective	2	2		945011	邱建智
MWBS1	高級生物醫學論文寫作 (EN/EMI)	Special Topics on Scientific Writing for the Biomedical Sciences (EN/EMI)	選修/ Elective	2	2		945011	邱建智
MTIA5	高級儀器分析特論 (EN/EMI)	Special Topics in Advanced Instrumental Analysis (EN/EMI)	選修/ Elective	3		3	995014	梁世欣
選 修 科 目 學 分 總 數 合 計				38				

PhD Program in Life Sciences – Division of Biological Sciences / Division of Clinical
Medicine Curriculum and Credit Requirements for Academic Year 2025 (114)
【Second Year】

(本表為 114 學年度入學學生適用)

科 目 名 稱			必/選修/ 學分	規定		主負責教師		
課程 代碼	中文	英文		學分	上	下	職號	姓名
MSSW1	專 題 討 論 (EN/EMI)	Seminar(EN/EMI)	必修/ Required	2	1	1	995010	廖偉廷
必 修 科 目 學 分 總 數 合 計				2				

註：

- In addition to 12 credits for the doctoral dissertation, graduate students in the Biological Sciences Track and the Clinical Medicine Track must complete at least 18 credits (including 4 credits of Seminars, 2 credits of Required Professional Courses, and 12 credits of Electives).
- Graduate students must take at least 4 credits of cross-disciplinary elective courses.
- Graduate students may register for a maximum of 15 credits per semester.
- Elective courses require a minimum enrollment of three students to be offered.
- With the approval of the advisor and the program director, doctoral students may apply for credit recognition of courses offered by relevant departments at KMU or by partner institutions with which KMU has signed agreements.
- With the approval of the advisor and the program director, doctoral students may take biostatistics-related courses offered by other departments at KMU.
- According to Article 3, Section 6 of the “Kaohsiung Medical University Regulations on the Calculation of Teaching Hours,” courses that are full-English taught and approved by the University’s Three-Level Curriculum Review Committee (excluding general English language courses) shall be counted as double teaching hours for local faculty members.
- Doctoral students must pass the **General English Proficiency Test (GEPT) High-Intermediate Level – First Stage (Listening and Reading)** or an equivalent English proficiency test at the **CEFR B2 Vantage level** before applying for the doctoral degree examination. For details and equivalency tables, please refer to the KMU English Proficiency Test Comparison Table(<https://academic.kmu.edu.tw/index.php/zh-tw/註冊課務專區/英文畢業門檻>). Students who have previously taken an English proficiency test during their study but did not meet the required standard may be deemed as having fulfilled the requirement if they complete and pass remedial English courses offered by the KMU Center for Language and Culture.
- During the first semester of study, doctoral students must complete the self-learning program and pass the final exam on the Taiwan Academic Ethics Education Resource Center website to obtain a certificate, which is required to apply for the dissertation defense.
- For undergraduate courses taken by doctoral students, the passing grade is 60. Students who fail are not allowed to retake the examination. The credits and grades of these undergraduate courses will not be included in the calculation of the semester GPA, graduation GPA, or total credit requirements.