Master's Program in Medicinal Chemistry and Biotechnology
Biomedical Chemistry Track Curriculum and Credit Table
Academic Year 2026–2027 (Year 1)

Note: Applicable to students entering in the Academic Year 2026–2027 (Fall 2026 and Spring 2027)

Course Code	Course Title	Req / Elec	Credits	Number of credits (semester)		Instructor in Charge	
				1st	2nd	ID	Name
MDMN3	Seminar and Academic Integrity(I) (EN)(EMI)	**Required**	2	1	1	945032 935036 925010 985015	Chia-Lin Kao Po-Yu Chen Chih-Kuang Wang Hsuan-Ying Chen
MSPL0	Special Lecture(EN)(EMI)	**Required**	0	0	0	1075015	Chia-Hsiang Chen
MPCM2	Professional Practice in Chemistry (EN)(EMI)	**Required**	2	1	1	1105028	Hui-Fen Chen
Total Required Credits			4				
MIAE4	Special Topics on Instrumental Analysis(I) (EN)(EMI)	**Elective**	2	2	0	815012	Tsai-Hui Duh
MIAE5	Special Topics on Instrumental Analysis(II) (EN)(EMI)	**Elective**	2	0	2	935036	Po-Yu Chen
MCHR3	Special Topics on Drug Synthesis (EN)(EMI)	**Elective**	2	0	2	805006	Yeh-Long Chen
MCHK0	Special Topics on Biomaterials (EN)(EMI)	**Elective**	2	0	2	805007	Li-Fang Wang
MCHY2	Special Topics on Bioinorganic Chemistry (EN)(EMI)	**Elective**	2	2	0	915019	Sodio C.N. Hsu
MSIA1	Special Topics on Bioorganic Chemistry (I) (EN)(EMI)	**Elective**	2	2	0	795065	Jeh-Jeng Wang
MSIA2	Special Topics on Bioorganic Chemistry (II) (EN)(EMI)	**Elective**	2	0	2	795065	Jeh-Jeng Wang
MSTS0	Special Topics on Spectroscopy (I) (EN)(EMI)	**Elective**	2	2	0	805006	Yeh-Long Chen
MCHC6	Special Topics in Inorganic Chemistry (I) (EN)(EMI)	**Elective**	2	2	0	915019	Sodio C.N. Hsu
MCHC7	Special Topics in Inorganic Chemistry (II) (EN)(EMI)	**Elective**	2	0	2	915019	Sodio C.N. Hsu
MCHL0	Special Topics on Biochemistry(I)	**Elective**	2	2	0	945031	Tzu-Pin Wang

MAOC4	Special Topics in Organic Chemistry (I) (EN) (EMI)	**Elective**	2	2		795065	Jeh-Jeng Wang
MAOC5	Special Topics in Organic Chemistry (II) (EN) (EMI)	**Elective**	2		2	795065	Jeh-Jeng Wang
MCHL0	Special Topics on Biochemistry (I) (EN)(EMI)	**Elective**	2	2	0	945031	Tzu-Pin Wang
MCHL1	Special Topics on Biochemistry(II) (EN)(EMI)	**Elective**	2	0	2	945031	Tzu-Pin Wang
MCHA1	Special Topics on Physical Chemistry (I) (EN)(EMI)	**Elective**	2	2	0	805007	Li-Fang Wang
MCHB1	Special Topics on Physical Chemistry (II) (EN)(EMI)	**Elective**	2	0	2	805007	Li-Fang Wang
MTAM2	Special Topics on Materials in Chemistry I(EN)(EMI)	**Elective**	2	2	0	925010	Chih-Kuang Wang
MTAM6	Special Topics in Materials in Chemistry (II) (EN) (EMI)	**Elective**	2	0	2	925010	Chih-Kuang Wang
MCHT0	Special Topics on Organometallic Chemistry (EN)(EMI)	**Elective**	2	2	0	985015	Hsuan-Ying Chen
MSOE1	Special Topics on Electrochemistry (EN)(EMI)	**Elective**	2	2	0	935036	Po-Yu Chen
MSTS0	Special Topics in Mass Spectrometry (EN) (EMI)	**Elective**	2	0	2	795023	Po-Jui Huang
MECI1	Special Topics on Biocatalytical Chemistry （I）(EN)(EMI)	**Elective**	2	2	0	945031	Tzu-Pin Wang
MECI2	Special Topics on Biocatalytical Chemistry （II）(EN)(EMI)	**Elective**	2	0	2	945031	Tzu-Pin Wang
MCUC0	Introduction to Computational Chemistry (EN)(EMI)	**Elective**	2	2	0	955029	Hsing-Yin Chen
MTSC0	Special Topics on Supramolecular Chemistry (EN)(EMI)	**Elective**	2	0	2	915019	Sodio C.N. Hsu
MOMC0	Special Topics in Organometallic Catalysts (EN) (EMI)	**Elective**	2	0	2	985015	Hsuan-Ying Chen
MICA0	Special Topics on Pharmaceutical Analysis (EN)(EMI)	**Elective**	2	0	2	815012	Tsai-Hui Duh

Master's Program in Medicinal Chemistry and Biotechnology
Biomedical Chemistry Track Curriculum and Credit Table
Academic Year 2026–2027 (Year 2)

Note: Applicable to students entering in the Academic Year 2026–2027 (Fall 2026 and Spring 2027)

Course Code	Course Title	Req / Elec	Credits	Number of credits (semester)		Instructor in Charge	
				1st	2nd	ID	Name
MDMN3	Seminar (II) (EN)(EMI)	**Required**	2	1	1	945032 935036 925010 985015	Chia-Lin Kao Po-Yu Chen Chih-Kuang Wang Hsuan-Ying Chen
MSPL0	Special Lecture (EN)(EMI)	**Required**	0	0	0	1075015	Chia-Hsiang Chen
MPCM0	Professional Practice in Chemistry (EN)(EMI)	**Required**	2	1	1	1075004	Chien-Hung Li
	Thesis		6				Advisor
Total Required Credits			4				

Notes:

1. Each student is required to complete at least 32 credits for graduation. For the Biomedical Chemistry Track, this includes 8 credits of compulsory courses (with one course to be selected from three compulsory courses marked "*" each academic year), 6 credits for the master's thesis, and at least 16 credits of elective courses.
2. With the approval of the thesis advisor and program director, students may take courses offered by other departments of the university or by partner institutions that have signed cooperation agreements. A maximum of 6 credits from such courses may be counted toward the degree.
3. Students must complete at least 2 credits of cross-track elective courses.
4. Full-time graduate students may register for up to 15 credits per semester, while part-time graduate students may register for up to 11 credits per semester.
5. Prior to graduation, students must pass an English proficiency test equivalent to the General English Proficiency Test (GEPT) Intermediate Level – First Stage. Students who do not pass must take additional English courses as required by the university. For further details, please refer to: https://academic.kmu.edu.tw/index.php/zh-tw/註冊課務專區/英文畢業門檻
6. Students may enroll in doctoral-level courses offered by the university, and such credits may be counted toward the elective course requirements for graduation.
7. During their first semester of study, students must complete the online academic ethics training provided by the Taiwan Academic Ethics Education Resource Center and obtain a certificate of completion before applying for the degree oral defense.
8. For graduate students taking undergraduate-level courses, a minimum passing grade of 60 is required. Courses with failing grades cannot be retaken or made up, and the corresponding credits and grades will not be included in the semester GPA, cumulative GPA, or total graduation credits.