Master's Program in Medicinal Chemistry and Biotechnology
Biotechnology 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
MLSB0	Special Topics on Life Science (EN)(EMI)	**Required**	4	4		1085014	Pei-Fen Liu
MCBI0	Special Topics on Cell Biology (EN)(EMI)	**Required**	2	2		925021	Ping-Hung Chen
MSNR7	Seminar and Academic Integrity(I) (EN)(EMI)	**Required**	1	1		1085014	Pei-Fen Liu
MSNR7	Seminar and Academic Integrity (II) (EN)(EMI)	**Required**	1		1	1085014	Pei-Fen Liu
Total Required Credits			8				
MSIJ1	Special Topics on Immunology (EN)(EMI)	**Elective**	3	0	3	1105003	Yi-Ling Chen
MSEP0	Special Topics on Environmental and Public Health Sciences (EN)(EMI)	**Elective**	2	2	0	1035011	Hans-Uwe Dahms
MEBB0	Special Topics on Evolutionary Biology (EN)(EMI)	**Elective**	3	3	0	1065010	Yong-Chao Su
MMEM3	Ecological Methods(EN)(EMI)	**Elective**	3	3		1105006	Chi-Yun Kuo
MBTS0	Special Topics on Bioinformatics (EN)(EMI)	**Elective**	3	0	3	925019	Hsueh-Wei Chang
MAEP3	Advance English Presentations in Science (EN)(EMI)	**Elective**	2	0	2	1035011	Hans-Uwe Dahms
MKAH0	Special Topics on Genomics (EN)(EMI)	**Elective**	3	0	3	925019	Hsueh-Wei Chang
MHUK3	Special Topics on Cell Molecular Biology (EN)(EMI)	**Elective**	3	0	3	1085014	Pei-Fen Liu
MPZE0	Special Topics in Instrumental Analysis(EN/EMI)	**Elective**	3	3	0	995014	Shih-Shin Liang
MNCE2	Special Topics in Computational Biomedical Science (I) (EN/EMI)	**Elective**	3	3	0	955002	Ying-Ting Lin
MNCE3	Special Topics in Computational Biomedical Science (II) (EN/EMI)	**Elective**	3	0	3	955002	Ying-Ting Lin

MEZN0	Establishment of zebrafish model for drug screening and practice(EN/EMI)	**Elective**	2	2	0	1025015	Wang-Ta Liu
STTE	Special Topics in Tissue Engineering(EN/EMI)	**Elective**	2	2	0	995010	Wei-Ting Liao
MSDA0	Special Topics in Docking Algorithm(EN/EMI)	**Elective**	3	0	3	955002	Ying-Ting Lin
MSCO8	Advanced Stem Cell Biology (EN/EMI)	**Elective**	2	0	2	1107007	Chuang-Yu Lin
Total Elective Credits		40					

Master's Program in Medicinal Chemistry and Biotechnology
Biotechnology 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
MSNR1	Seminar and Academic Integrity(I) (EN/EMI)	**Required**	1	1		995010	Wei-Ting Liao
MSNR1	Seminar and Academic Integrity(II) (EN/EMI)	**Required**	1		1	995010	Wei-Ting Liao
	Thesis	**Required**	6				Advisor
Total Required Credits			8				

Notes:

1. Each student is required to complete at least 30 credits for graduation, including 10 credits of compulsory courses, 6 credits for the master's thesis, and a minimum of 14 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 partner institutions with which the university has signed 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 take up to 15 credits per semester, while part-time students may take 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 take doctoral-level courses offered by the university, and the 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 program 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 credit count.