Academic Year 115 Curriculum and Credit Requirements for INTENSE Program Students, Department of Medicinal and Applied Chemistry

Type of Course	Code	Courses	Credits	1st Year 1st Semester	1st Year 2nd Semester	2nd Year 1st Semester	2nd Year 2nd Semester	Faculty	Note
Required courses		conduct							
		專題討論暨學術倫理(新型專班組）(EN)(EMI) Seminar and Academic Integrity (EN)(EMI)	3	1	1	1		Hsuan-Ying Chen 985015	INTENSE Program Four teachers take turns.
		特別演講(EN)(EMI) (新型專班組） Special Lecture(EN)(EMI)	0	0	0	0		Chia-Hsiang Chen 1075015	
		教學實習(EN)(EMI) (新型專班組） Professional Practice in Chemistry(EN)(EMI)	3	1	1	1		1st Year 1st Semester: Hui-Fen Chen 1005028 1st Year 2nd Semester: Jin-Tai Lin 1135066 2nd Year: Chien-Hung Li 1075004	English-taught course
		碩士論文 Thesis	6						
		企業實習(EN)(EMI) (新型專班組） Industry Internship(EN)(EMI)	9				9		INTENSE Program only
Elective courses	*	有機化學特論（I）(EN)(EMI) Special Topics in Organic Chemistry（I）(EN)(EMI)	2	2				Jeh-Jeng Wang 795065	English-taught course
	*	有機化學特論（II）(EN)(EMI) Special Topics in Organic Chemistry（II）(EN)(EMI)	2		2			Jeh-Jeng Wang 795065	English-taught course
	*	無機化學特論（I）(EN)(EMI) Special Topics in Inorganic Chemistry（I）(EN)(EMI)	2	2				Sodio C.N. Hsu 915019	English-taught course
	*	無機化學特論（II）(EN)(EMI) Special Topics in Inorganic Chemistry（II）(EN)(EMI)	2		2			Sodio C.N. Hsu 915019	English-taught course
	*	物理化學特論（I）(EN)(EMI) Special Topics in Physical Chemistry（I）(EN)(EMI)	2	2				Li-Fang Wang 805007	English-taught course
	*	物理化學特論（II）(EN)(EMI) Special Topics in Physical Chemistry（II）(EN)(EMI)	2		2			Li-Fang Wang 805007	English-taught course
	*	儀器分析特論（I）(EN)(EMI) Special Topics in Instrumental Analysis（I）(EN)(EMI)	2	2				Tsai-Hui Duh 815012	English-taught course
	*	儀器分析特論（II）(EN)(EMI) Special Topics in Instrumental Analysis（II）(EN)(EMI)	2		2			Po-Yu Chen 935036	English-taught course
		材料化學特論（I）(EN)(EMI) Special Topics in Materials in chemistry（I）(EN)(EMI)	2	2				Chih-Kuang Wang 925010	
		材料化學特論（II）(EN)(EMI) Special Topics in Materials in chemistry（II）(EN)(EMI)	2		2			Chih-Kuang Wang 925010	
		生物化學特論（I）(EN)(EMI) Special Topics in Biochemisty（I）(EN)(EMI)	2	2				Tzu-Pin Wang 945031	

		生物化學特論（II）(EN)(EMI) Special Topics in Biochemisty（II）(EN)(EMI)	2		2			Tzu-Pin Wang 945031	
		生醫材料特論(EN)(EMI) Special Topics in Biomaterials(EN)(EMI)	2		2			Li-Fang Wang 805007	
		有機光譜特論(EN)(EMI) Special Topics in Spectroscopy(EN)(EMI)	2	2				Yeh-Long Chen 805006	
		生物有機化學特論（I）(EN)(EMI) Special Topics in Bioorganic Chemistry（I）(EN)(EMI)	2	2				Jeh-Jeng Wang 795065	
		生物有機化學特論（II）(EN)(EMI) Special Topics in Bioorganic Chemistry（II）(EN)(EMI)	2		2			Jeh-Jeng Wang 795065	
		醫藥品合成化學特論(EN)(EMI) Special Topics in Drug Synthesis (I) (EN)(EMI)	2		2			Yeh-Long Chen 805006	
		有機金屬化學特論(EN)(EMI) Special Topics in Organometallic Chemistry(EN)(EMI)	2	2				Hsuan-Ying Chen 985015	
		超分子化學特論(EN)(EMI) Special Topic in Supramolecular Chemistry(EN)(EMI)	2		2			Sodio C.N. Hsu 915019	
		生物無機化學特論(EN)(EMI) Special Topics in Bioinorganic Chemistry(EN)(EMI)	2	2				Sodio C.N. Hsu 915019	English-taught course
		電化學特論(EN)(EMI) Special Topics in Electrochemistry(EN)(EMI)	2	2				Po-Yu Chen 935036	
		質譜學特論(EN)(EMI) Special Topics in Mass Spectrometry(EN)(EMI)	2		2			Po-Jui Huang 795023	
		生物觸媒化學特論(I) (EN)(EMI) Special Topics in Biocatalytical Chemistry(I) (EN)(EMI)	2	2				Tzu-Pin Wang 945031	
		生物觸媒化學特論(II) (EN)(EMI) Special Topics in Biocatalytical Chemistry(II) (EN)(EMI)	2		2			Tzu-Pin Wang 945031	
		藥物分析特論(EN)(EMI) Special Topics in Pharmaceutical Analysis(EN)(EMI)	2		2			Tsai-Hui Duh 815012	
		有機金屬催化劑特論(EN)(EMI) Special Topics in Organometallic Catalysts(EN)(EMI)	2		2			Hsuan-Ying Chen 985015	
		計算化學概論(EN)(EMI) Introduction to Computational Chemistry(EN)(EMI)	2	2				Hsing-Yin Chen 955029	
		企業實習(EN)(EMI) Industry Internship(EN)(EMI)	3				3	Chia-Hsiang Chen 1075015	

【Note】Master's Program Regulations

1. INTENSE Program: A total of 34 credits is required for graduation. Required credits: 21 credits (including 6 credits for the Master's Thesis and 9 credits for the Industry Internship). Elective credits: 13 credits (students must complete 3 out of the 8 designated elective courses marked "*").
2. Each elective course requires a minimum of 3 students to be offered.
3. Master's students must meet an English proficiency requirement of CEFR B1 or above when applying for the degree examination. Please refer to the Office of Academic Affairs website for the English Proficiency Equivalency Table. Students who have taken an English proficiency

test during their enrollment but have not met the required proficiency level may fulfill this requirement by taking a B1- or B2-level English course offered by the Center for Languages and Culture and passing the course examination.

4. With the approval of both the advisor and the department chair, credits from partner universities may be recognized toward graduation.
5. With the approval of the advisor and department chair, students may take biostatistics-related courses offered by other departments at KMU. (According to the Office of Academic Affairs, notice, June 20, 2011)
6. Graduate students may take up to 15 credits per semester.
7. Master's students may take doctoral-level courses in the department, and the credits may be counted as electives toward graduation.
8. Starting from 2017 Academic year, graduate students must complete the self-study course and pass the final test on the Taiwan Academic Ethics Education Resource Center website during their first semester. A course certificate is required before applying for the degree examination.
9. For graduate students taking undergraduate-level courses, the minimum passing grade is 60. Failed courses cannot be retaken or made up, and their grades/credits are not included in the semester GPA, graduation GPA, or credit totals.