

中臺科技大學醫學檢驗生物技術系碩士班112學年度入學課程標準表

Central Taiwan University of Science and Technology Master's Department of Medical Laboratory Science and Biotechnology  
Program Curriculum Standards for the 112<sup>th</sup> Academic Year

1120208系課程委員會會議通過

1120309院課程委員會會議通過

1130315校課程委員會會議通過

學年 Academic Year	科目 Course	學分數 Credits	時數 Teaching hours	上學期		下學期		備註 Remarks
				First Semester		Second Semester		
				授課 Teaching	實習 Internship	授課 Teaching	實習 Internship	
<b>必修 Required Courses</b>								
第一學年 1 <sup>st</sup> Academic Year	專題討論 (一) Seminar (I)	1	1	1	1			
	專題討論 (二) Seminar (II)	1	1			1	1	
	分子檢驗學特論 Special Topics in Molecular Diagnostics	4	4	4	4			
	研究方法含實驗 Research Methods and Laboratory	2	4	2	4			
第二學年 2 <sup>nd</sup> Academic Year	專題討論 (三) Seminar (III)	1	1	1	1			
	專題討論 (四) Seminar (IV)	1	1			1	1	
	碩士論文(Thesis)	6	0			6		
<b>選修 Electives Courses</b>								
第一學年 1 <sup>st</sup> Academic Year	生技產業實務課程 Practice in Biotechnology Industry	2	2			2	2	
	高等統計學 Advanced Statistics	2	2	2	2			
	醫用生物化學特論 Special Topics in Medical	3	3			3	3	
	醫用分子生物學 Medical Molecular Biology	3	3	3	3			
	臨床毒物學特論 Special Topics in Clinical Toxicology	2	2	2	2			
	◎醫學檢驗業務的溝通、諮詢與管理 Communication Consultation and Management of Medical Laboratory	2	2	2	2			
	◎微生物致病機轉專題研究 Special Topics in Microbial Pathogenesis	2	2			2	2	
	◎癌症醫學專題研究 Special Topics in Cancer Medicine	2	2			2	2	
	細菌遺傳學 Bacterial Genetics	2	2			2	2	
	細胞分子生物學 Molecular Cell Biology	2	2			2	2	
	生物資訊學 Bioinformatics	2	2			2	2	
	細菌抗藥機制 Mechanisms of Bacterial Antibiotic	2	2			2	2	
蛋白質化學 Protein Chemistry	2	2			2	2		
第二學年 2 <sup>nd</sup> Academic Year	疫苗與診斷試劑之開發 Development of Vaccines and	2	2	2	2			
	精準生物醫學與實務 Precision Biomedicine and Practice	2	2	2	2			
	應用免疫學特論 Special Topics in Applied Immunology	2	2	2	2			
	應用病毒學特論 Special Topics in Applied Virology	2	2	2	2			
	生技產業特論 Special Topics in Biotechnology Industry	2	2			2	2	

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				First Semester		Second Semester		
				授課 Teaching	實習 Internship	授課 Teaching	實習 Internship	
	第一學年小計(1) 1 <sup>st</sup> Academic Year Credits Subtotal (1)	36	38	16	18	20	20	
	第二學年小計(2) 2 <sup>nd</sup> Academic Year Credits Subtotal (2)	18	12	9	9	9	3	
	合計 Total = (1)+(2)	54	50					

**畢業規定及其他相關說明：**

一	畢業學分數：30學分(含碩士論文6學分)。 The Minimum Graduation Credit Requirement is 30 Credits (Including 6 credits for the Master's Thesis).
二	畢業前應修完高等統計學(Advanced Statistics) 2學分課程且及格，始得畢業。Prior to graduation, students must complete "Advanced Statistics" which is worth 2 credits. Completion record and passing grade are required for graduation.
三	◎為系定專業選修，學生畢業前須修畢2學分始得畢業。◎ These are professional elective courses required by the Department of Medical Laboratory Science. Students must minimum number of 2 credits ◎ courses before graduation.
四	研究生應於入學後至學位考試前，需依「中臺科技大學學術倫理教育課程實施要點」完成「學術倫理教育」相關課程修習並取得證明後提交系所審核，始得提出學位考試申請。 Graduate students are required to complete the relevant courses of "Academic Ethics Education" in accordance with the "Implementation Guidelines for Academic Ethics Education Courses at Central Taiwan University of Science and Technology" and submit the certificate to the department for review before applying for the degree examination.