中國醫藥大學 醫學院醫學檢驗生物技術學系 必修畢業學分認定表 112 學年度入學適用

China Medical University Department of Medical Laboratory Science and Biotechnology Requirement for Undergraduate Majors (Applicable for 2023-2024 Enrollees)

展理学(D)(Pathology (D))	第 1 頁 / 共 3 頁	_	1	- 左加 - 左加					r tn	L /	tr tra		列印日期(Date):112年3月27日	
を参加(NotionAge(C))		修別	學分	Fresl	nman	Sopho	omore	Jur	Junior		nior	課程分類	備註	
報係学生(10) (pasted care charistry (41)		Туре	Credits	上 1		上 1		上 1		上 1		Category	Remarks	
	生物學(C)(Biology(C))	必(R)	2.0	2.0										
本化学の(General chemistry (C1)	有機化學(A)(Organic chemistry (A))	必(R)	2.0	2.0										
응용한 (Analytical identistry (6))	組織學(C)(Histology (C))	必(R)	1.0	1.0										
参照を受信((Auri))(inchemistry (B))	普通化學(C)(General chemistry (C))	必(R)	2.0	2.0										
#報告報告表の表の表の表の表の表の表の表の表の表の表の表の表の表の表の表の表の表の	分析化學(B)(Analytical chemistry (B))	必(R)	2.0		2.0							系定必修(Departmental		
金巻の巻見書中にJUELCORDIOLOGY 名 14	生物化學(A-1)(Biochemistry(A-1))	必(R)	2.0		2.0							系定必修(Departmental		
生産を含くな?(Bochemistry(A-2))		必(R)	2.0		2.0							系定必修(Departmental		
### 24 日本		必(R)	2.0			2.0						系定必修(Departmental		
### (1975) (19		必(R)	1.0			1.0						系定必修(Departmental		
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解析学(B)(Amstory (B))	微生物學及免疫學實驗(C)(Microbiology &	必(R)	1.0			1.0						系定必修(Departmental		
整検人工等を要求表数値Artificial intelligence and big data in medical laboratory science)		必(R)	2.0			2.0								
Required Courses (女代中でision Medicine												Required Courses)	N. 14 NF 1871 431 431 A 431 40 1071	
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### (Clinical hematology を使う な (R) 2.0	分子生物學(Molecular biology)	必(R)	2.0				2.0						為生物技術學分學程及精準醫學 學分學程課程((Biotechnology Credit Program and Precision	
### ### ### ### #### ################	病理學(D)(Pathology (D))	必(R)	2.0				2.0						,	
等生森學實施(B)(Parasitologic laboratory (B))	寄生蟲學(B)(Parasitology (B))	必(R)	1.0				1.0					系定必修(Departmental		
該産生化學(Clinical biochemistry	寄生蟲學實驗(B)(Parasitologic laboratory (B))	必(R)	1.0				1.0					系定必修(Departmental		
	臨床生化學(Clinical biochemistry)	必(R)	3.0				3.0					系定必修(Departmental		
上物技術學(Biotechnology) 少(R) 2.0 2.0 条定必修(Departmental Required Courses) 金本學(Blood banking) 少(R) 1.0 1.0 条定必修(Departmental Required Courses) 株金漁學(Clinical hematology) 少(R) 3.0 3.0 条定必修(Departmental Required Courses) 株金漁學及鱼庫學實驗(Clinical hematology & 少(R) 2.0 2.0 条定必修(Departmental Required Courses) 株金漁學學(Departmental Required Courses) 株金漁學學(Departmental Required Courses) 株金漁學學(Departmental Required Courses) 株金漁學學(Clinical virology) 少(R) 2.0 2.0 条定必修(Departmental Required Courses) 株金漁學學(Clinical microscopy) 少(R) 2.0 2.0 条定必修(Departmental Required Courses) 株金漁學療験(Clinical microscopy) 少(R) 2.0 2.0 条定必修(Departmental Required Courses) 株金漁學學療験(Clinical microscopy laboratory) 少(R) 2.0 2.0 条定必修(Departmental Required Courses) 株金漁學學療験(Clinical physiology) 少(R) 2.0 2.0 条定必修(Departmental Required Courses) 株金漁房免疫學(Departmental Required Courses) 株金漁房免疫學實驗(Clinical serology & 少(R) 2.0 条定必修(Departmental Required Courses) 株金漁房免疫學實驗(Clinical microbiology & 少(R) 3.0 3.0 条定必修(Departmental Required Courses) 株金漁房免疫學實驗(Clinical microbiology 少(R) 3.0 3.0 条定必修(Departmental Required Courses) 株金漁房の関係を関係を関係を関係を関係を関係を関係を関係を関係を関係を関係を関係を関係を関		必(R)	1.0				1.0					系定必修(Departmental		
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護床血液學(Clinical hematology)	血庫學(Blood banking)	必(R)	1.0					1.0				系定必修(Departmental		
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臨床鏡検學實驗(Clinical microscopy laboratory)	臨床鏡檢學(Clinical microscopy)	必(R)	2.0					2.0				系定必修(Departmental		
臨床生理學(Clinical physiology)必(R)2.0条定必修(Departmental Required Courses)臨床血清及免疫學(Clinical serology & immunology)必(R)2.0条定必修(Departmental Required Courses)臨床血清及免疫學實驗(Clinical serology & immunology laboratory)必(R)1.01.0条定必修(Departmental Required Courses)臨床微生物學(Clinical microbiology)必(R)3.03.0条定必修(Departmental Required Courses)臨床微生物學實驗(Clinical microbiology laboratory)必(R)1.01.0条定必修(Departmental Required Courses)臨床微生物學實驗(Clinical microbiology laboratory)必(R)1.0第定必修(Departmental Required Courses)監學分子檢驗學(Medical molecular diagnostics)必(R)2.0条定必修(Departmental Required Courses)監學分子檢驗學(Medical molecular diagnostics)必(R)1.0學期實習(Semester Internship)需實習40小時((Long-Term Credit program))	臨床鏡檢學實驗(Clinical microscopy laboratory)	必(R)	1.0					1.0				系定必修(Departmental		
臨床血清及免疫學(Clinical serology &	臨床生理學(Clinical physiology)	必(R)	2.0						2.0			系定必修(Departmental		
臨床血清及免疫學實驗(Clinical serology &		必(R)	2.0						2.0			系定必修(Departmental		
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臨床微生物學實驗(Clinical microbiology laboratory)		必(R)	3.0						3.0			系定必修(Departmental		
醫學分子檢驗學(Medical molecular diagnostics)必(R)2.0条定必修(Departmental Required Courses)血庫學實習(Blood banking practice)必(R)1.0學期實習(Semester Internship)需實習40小時((Long-Term Credit program))		必(R)	1.0						1.0			系定必修(Departmental		
血庫學實習(Blood banking practice) 必(R) 1.0		必(R)	2.0						2.0			系定必修(Departmental		
	血庫學實習(Blood banking practice)	必(R)	1.0							1.0		學期實習(Semester	需實習40小時((Long-Term Care Credit program))	
病理切片與細胞診斷實習(Histopathologic & 以(R) 1.0 早期實習(Semester 需實習40小時((40 -hour cytology practice) Internship) are internship required))		必(R)	1.0							1.0		學期實習(Semester	需實習40小時((40 -hour	
		必(R)	2.0							2.0		學期實習(Semester	需實習120小時((120 -hour	
臨床生理學實習(Practice in clinical physiology practice) 必(R) 2.0 學期實習(Semester Internship) 需實習80小時((80 -hour internship)		必(R)	2.0							2.0		學期實習(Semester	需實習80小時((80 -hour	

中國醫藥大學 醫學院醫學檢驗生物技術學系 必修畢業學分認定表 112 學年度入學適用

China Medical University Department of Medical Laboratory Science and Biotechnology Requirement for Undergraduate Majors (Applicable for 2023-2024 Enrollees)

第2頁/共3頁 列印日期(Date): 112年3月27日

				F級	二年		三年		四年			
科目名稱 Course Title	修別 Type	學分 Credits	Fresh 上 1	下 2	Sopho 上 1	下 2	Jur 上 1	下 2	Sen 上 1	rior 下 2	課程分類 Category	備註 Remarks
臨床血液學實習(Clinical hematology practice)	必(R)	2.0							2.0		學期實習(Semester Internship)	需實習80小時((80 -hour internship required))
臨床血清及免疫學實習(Clinical serology & immunology practice)	必(R)	2.0							2.0		學期實習(Semester Internship)	需實習80小時((80 -hour internship required))
臨床病毒學實習(Clinical virology practice)	必(R)	1.0							1.0		學期實習(Semester Internship)	需實習40小時((40 -hour internship required))
臨床微生物學實習(Clinical microbiology practice)	必(R)	3.0							3.0		學期實習(Semester Internship)	需實習120小時((120 -hour internship required))
臨床鏡檢學實習(Clinical microscopy practice)	必(R)	3.0							3.0		學期實習(Semester Internship)	需實習120小時((120 -hour internship required))
醫學分子檢驗實習(Practice in medical molecular diagnostics)	必(R)	1.0							1.0		學期實習(Semester Internship)	需實習80小時((Long-Term Care Credit program))
儀器分析與應用(Instrumental analysis and application)	必(R)	1.0								1.0	系定必修(Departmental Required Courses)	為生物技術學分學程課 程((Biotechnology Credit Program))
醫學檢驗總論(一)(General review of medical technology (I))	必(R)	2.0								2.0	系定必修(Departmental Required Courses)	
合計 必修 總學分(Requirement subtotal)		79.0	7.0	6.0	11.0	10.0	13.0	11.0	18.0	3.0		

校內注意事項

112學年度入學生畢業學分認定表備註:

- 一、畢業前必須通過英文鑑定,方能畢業。相關規定依本 校「學生英文能力鑑定實施辦法」辦 理。
- 二、體育課一年級為必修,每學期0學分,不及格不得畢
- 業。大學部二年級以上為選修,每學期一學分。
- 三、國防軍事訓練改為選修,每週上課2小時為1學分,成績及 格者,83年次以前同學以每8堂 課折算1日役期(1門課折抵4日 役期,2門課折抵9日役期,以此類推)。83年次以後同學每門 課折抵2日訓期。
- 四、通識教育課程分為正式課程及通識教育活動:
- (一)正式課程:必修28學分
- 1. 英文必修4學分

英文課程採分級制,分級以大學指考及學測成績為依據,分級 結果於選課前公告。如達該學系英文畢業檢定標準,經所屬學 系審核通過,得免修英文4學分,相關細則依「中國醫藥大學 英文暨英語聽講必修課程免修學分實施要點」規定辦理。

- 2. 資訊相關課程(2學分)
- 3. 服務學習課程(1學分)
- 4. 通識課程(21學分)
- (1)核心通識課程:至少修習10學分,五大類中至少任選三 大類。
- A. 語文類:國文、英文進階課程及第二外語課程等。
- B. 人文藝術類:文學藝術類、歷史文明類等。
- C. 社會科學類: 法政類; 社會、心理、人類、教育、性別研究 類;管理、經濟類等。
- D. 自然科學類:基礎科學類;生命科學類;應用科學類;科學 技術類等。
- E. 運動知能類:如運動心理學、運動生理學、國際賽事分析與 博奕事業、運動與健康的學理探討等學術類課程。如屬該學系 之必選修課程者,將設限不得認列為通識學分。
- (2) 跨學院通識課程:至少須修習跨學院課程4學分。
- (二)通識教育活動:0學分,學生須於在學期間參與至 少16小時通識教育中心所認定之演講與校內外所舉辦之展演活 動;成績以通過/不通過計分。相關細則依「通識教育活動實 施要點」規定辦理。

五、服務學習時數:需修習通識必修1學分(可認列18小時服 務學習課程) (醫學系、中醫學系另於下學期開設系上必 修1學分)之服務學習課程,以及6小時志願服務基礎教育訓 練、6小時服務學習講座參與、18小時志工服務(不含服務學 習講座),共計需完成48小時之服務學習時數,始符合畢業資

※志願服務基礎訓練由學務處服務學習中心舉辦(另行公 告),其他未盡事宜請詳閱「服務學習課程實施要點」(學務 處服務學習中心網頁)。

Note of CMU

For students enrolled in the fall semester of 2023:

1. According to the regulation of CMU Students' English Proficiency Assessment, Students must pass the minimal English Proficiency Requirement before graduation.

- 2. Taking Physical Education Course is compulsory for first year students (0 credits), students must pass to graduate. For second year or above, Physical Education is elective with 1 credit per semester.
- 3. Defense Education Military Training Course is elective, with 2 hours per week (1 credit).
- 4.General education courses consist of formal courses and general education activities:
- (1)Formal courses: 28 required credits
- i.English (4 credits): A level-based class grouping system is adopted based on students' score of the entrance examination. Students who meet the department's English graduation standard and are approved by the department can be exempted from the course.
- ii. Technology Information-related courses (2 credits)
- iii.Service learning courses (1 credit)
- iv.General education courses (21 credits)

Core general education courses: Minimum of 10 credits, with at least three of the five categories. (Language, Humanities and arts, Social sciences, Natural sciences, Sports)

Cross-college general education courses: Minimum of 4 credits.

- (2)General education activities: 0 credits. Students must participate in at least 16 hours of activities held by the General Education Center, scores will be marked as pass/fail.
- 5. Service learning hours: 1 credit of compulsory general education (can be listed in 18 hours of service learning courses) (School of Medicine and Chinese Medicine will offer 1 credit of compulsory course in the 2nd semester), 6 hours of voluntary service basic training, 6 hours participation service-learning lectures, and 18 hours of volunteer service.
- A total of 48 hours is required to be eligible for graduation.
- X Voluntary service basic training will be held by the Office of Student Affairs (to be announced).
- 6. Students must participate in the basic cardiopulmonary resuscitation training held by the university before graduation.
- 7. This list is used as the recognition basis of courses and credits required for graduation

中國醫藥大學 醫學院醫學檢驗生物技術學系 必修畢業學分認定表 112 學年度入學適用

China Medical University Department of Medical Laboratory Science and Biotechnology Requirement for Undergraduate Majors (Applicable for 2023-2024 Enrollees)

六、畢業前必須參加校內舉辦之基礎心肺復甦術訓練,方具畢業資格。相關規定依本校「學生基礎心肺復甦術訓練實施要點」辦理。

七、本學分表做為畢業學分認定之依據。

醫學檢驗生物技術學系注意事項

- 一、教育目標:1. 培養醫學檢驗專業能力。2. 培養生物技術知識技能。3. 培養醫檢與生技產業之興趣與研究能力。
- 二、112學年度入學新生實施,本系4年制,最低畢業學分為130學分,含必修107學分,選修23學分,必、選修課程均需依本系規定及成績均需及格,始得畢業。
- 三、選修課程規定如下:
- (一)「醫學檢驗學專題討論」、「生物醫學專題討論」及「生物技術學專題討論」等三門2學分全英文課程,必需修畢其中一門課程。
- (二)「醫技專題研究(二)」2學分課程、「分子生物學暨生物技術學實驗」2學分課程及「生物統計學」2學分課程,必須修畢其中一門課程。
- (三)需修畢「醫學檢驗總論(二)」2學分課程。

單位主管簽章:

Note of Department of Medical Laboratory Science and Biotechnology

1.Educational Objectives: (1) Developing professional ability in medical laboratory science (2) Developing knowledge and skills in biotechnology (3) Fostering interest and research capacity in medical laboratory and biotechnology industry.

2.Credit Requirements:

This department is a 4-year program. The minimum number of credits to obtain the diploma is 130, including 107 required credits and 23 elective credits. Both required and elective courses must be completed in accordance with the department's rules, and a passing grade is required. Please review the Program Requirements for more details. These rules are applied to new students enrolled in the 111th academic year.

- 3. Elective Courses Requirements:
- (1) Students must complete one of three following full English courses with two credits \Box Medical laboratory seminar, \Box Biomedicine seminar and \Box Biotechnology seminar.
- (2) Students must complete one of three following courses with two credits □ Research in laboratory science (II), □ Molecular biology & biotechnology laboratory and □ Biostatistics.
- (3) Students must complete the course" General review of medical technology (II) ",with 2 credits.

中國醫藥大學 醫學院醫學檢驗生物技術學系 選修畢業學分認定表 112 學年度入學適用

China Medical University Department of Medical Laboratory Science and Biotechnology Elective for Undergraduate Majors (Applicable for 2023-2024 Enrollees)

科目名稱 Course Title	修別	組入	I	手級 hman	二年 Sopho		三年級 Junior				課程分類	備註
	1沙別 Type	學分 Credits	上	下	上	下	上	下	上	下	課程分類 Category	/侑語 Remarks
生物技術學導論(Introduction to biotechnology)	選(E)	2.0	2.0	2	1	2	1	2	1	2	系定選修(Departmental Elective Courses)	為生物技術學分學程課 程((Biotechnology Credit Program))
組織學實驗(C)(Histology laboratory (C))	選(E)	1.0	1.0								系定選修(Departmental Elective Courses)	rrogram//
實驗室安全(Laboratory safety)	選(E)	2.0	2.0								系定選修(Departmental Elective Courses)	
醫技導論(Introduction to medical technology)	選(E)	2.0	2.0								系定選修(Departmental Elective Courses)	
醫學檢驗的未來發展(Trends in medical laboratory science)	選(E)	2.0	2.0								系定選修(Departmental Elective Courses)	
醫檢倫理(Medical laboratory ethics)	選(E)	2.0	2.0								系定選修(Departmental Elective Courses)	
人體免疫與醫學(Human immunity and medicine)	選(E)	2.0		2.0							系定選修(Departmental Elective Courses)	
程式設計(Programming)	選(E)	2.0		2.0							系定選修(Departmental Elective Courses)	為精準醫學學分學程課 程((Precision Medicine Credit Program))
醫學生技研究方法概論(Introduction to medical biotechnology research methods)	選(E)	2.0		2.0							系定選修(Departmental Elective Courses)	
工業微生物學(Industrial microbiology)	選(E)	2.0			2.0						系定選修(Departmental Elective Courses)	
生醫感測器概論(Introduction to biosensors)	選(E)	2.0			2.0						系定選修(Departmental Elective Courses)	為生物技術學分學程課 程((Biotechnology Credit Program))
細胞生物學(Cell biology)	選(E)	2.0			2.0						系定選修(Departmental Elective Courses)	為生物技術學分學程課 程((Biotechnology Credit Program))
細胞診斷及組織病理學技術(Diagnostic cytology & histopathologic techniques)	選(E)	2.0			2.0						系定選修(Departmental Elective Courses)	
細胞診斷及組織病理學技術實驗(Diagnostic cytology & histopathologic techniques experiment)	選(E)	1.0			1.0						系定選修(Departmental Elective Courses)	
細胞暨生殖技術(Cell and reproductive technologies)	選(E)	2.0			2.0						系定選修(Departmental Elective Courses)	
蛋白質化學(Protein chemistry)	選(E)	2.0			2.0						系定選修(Departmental Elective Courses)	為生物技術學分學程課 程((Biotechnology Credit Program))
醫技專題研究(一)(Research in laboratory science (I))	選(E)	1.0			1.0						系定選修(Departmental Elective Courses)	-
人類遺傳學(Human genetics)	選(E)	2.0				2.0					系定選修(Departmental Elective Courses)	為生物技術學分學程課 程((Biotechnology Credit Program))
生物化學實驗(C)(Biochemistry laboratory (C))	選(E)	1.0				1.0					系定選修(Departmental Elective Courses)	-
生物技術學專題討論(Biotechnology seminar)	選(E)	2.0				2.0					專題討論課程	全英文授課((Full English Courses))
生物統計學(Biostatistics)	選(E)	2.0				2.0					專題研究課程	為生物技術學分學程及精準醫學學分學程課程((Biotechnology Credit Program and Precision Medicine Credit Program))
生物醫學專題討論(Biomedicine seminar)	選(E)	2.0				2.0					專題討論課程	全英文授課((Full English Courses))
奈米生物科技(Introduction to nanobiotechnology)	選(E)	2.0				2.0					系定選修(Departmental Elective Courses)	為生物技術學分學程課 程((Biotechnology Credit Program))
微生物學及免疫學實驗(D)(Microbiology & immunology laboratory (D))	選(E)	1.0				1.0					系定選修(Departmental Elective Courses)	
醫技專題研究(一)(Research in laboratory science (I))	選(E)	1.0				1.0					系定選修(Departmental Elective Courses)	
醫學檢驗學專題討論(Medical laboratory seminar)	選(E)	2.0				2.0					專題討論課程	全英文授課((Full English Courses))
分子生物學暨生物技術學實驗(Molecular biology & biotechnology laboratory)	選(E)	2.0					2.0				專題研究課程	//
生物統計學實習(Biostatistics Practice)	選(E)	2.0					2.0				系定選修(Departmental Elective Courses)	為精準醫學學分學程課 程((Precision Medicine Credit Program))
生物製造程序(Bioprocess engineering)	選(E)	2.0					2.0				系定選修(Departmental Elective Courses)	
臨床病毒學實驗(Clinical virology laboratory)	選(E)	1.0					1.0				系定選修(Departmental Elective Courses)	
臨床寄生蟲學(Clinical parasitology)	選(E)	2.0					2.0				系定選修(Departmental Elective Courses)	
醫技專題研究(二)(Research in laboratory science (II))	選(E)	1.0					1.0				專題研究課程	
生物資訊學(Bioinformatics)	選(E)	2.0						2.0			系定選修(Departmental Elective Courses)	為生物技術學分學程及精準醫學學分學程課程((Biotechnology Credit Program))

中國醫藥大學 醫學院醫學檢驗生物技術學系 選修畢業學分認定表 112 學年度入學適用

China Medical University Department of Medical Laboratory Science and Biotechnology Elective for Undergraduate Majors (Applicable for 2023-2024 Enrollees)

第 2 頁 / 共 3 頁

			一至	F級	二年級		三年級		四年	手級	課程分類	備註
科目名稱 Course Title	修別	學分	Fresh		Sophomore		Junior		Senior			
	Type	Credits	上 1	下 2	上 1	下 2	上 1	下 2	上 1	下 2	Category	Remarks
長期照護之健檢與諮詢(Medical technology & consultation in long-term care)	選(E)	2.0						2.0			系定選修(Departmental Elective Courses)	長期照護學分學程((Long-Term Care Credit program))
毒物檢驗學(Laboratory toxicology)	選(E)	2.0						2.0			系定選修(Departmental Elective Courses)	
幹細胞之臨床應用與研究(Clinical application & research of human stem cell)	選(E)	1.0						1.0			系定選修(Departmental Elective Courses)	
臨床檢驗品質管理系統(Quality management system in clinical laboratory medicine)	選(E)	1.0						1.0			系定選修(Departmental Elective Courses)	
醫技專題研究(二)(Research in laboratory science (II))	選(E)	1.0						1.0			專題研究課程	
醫檢生技見習(Practical training in medical technology and bio-industry)	選(E)	1.0							1.0		系定選修(Departmental Elective Courses)	規畫暑期或期末見 習((Long-Term Care Credit program))
分子醫學概論(Introduction to molecular medicine)	選(E)	1.0								1.0	系定選修(Departmental Elective Courses)	精準醫學學分學程課程精準醫學 學分學程課程((Precision Medicine Credit Program))
精準醫學(Precision medicine)	選(E)	2.0								2.0	系定選修(Departmental Elective Courses)	精準醫學學分學程課 程((Precision Medicine Credit Program))
遺傳實驗診斷學(Laboratory genetics)	選(E)	2.0								2.0	系定選修(Departmental Elective Courses)	
醫學檢驗總論(二)(General review of medical technology (Ⅱ))	選(E)	2.0								2.0	醫學檢驗總論課程	
醫檢職場與生技產業(Clinical laboratory science & biotechnology industry)	選(E)	2.0								2.0	系定選修(Departmental Elective Courses)	生物技術學分學程課 程((Biotechnology Credit Program))
合計 選修 總學分(Elective subtotal)		75.0	11.0	6.0	14.0	15.0	10.0	9.0	1.0	9.0		

校內注意事項

112學年度入學生畢業學分認定表備註:

- 一、畢業前必須通過英文鑑定,方能畢業。相關規定依本
- 校「學生英文能力鑑定實施辦法」辦 理。
- 二、體育課一年級為必修,每學期0學分,不及格不得畢
- 業。大學部二年級以上為選修,每學期一學分。
- 三、國防軍事訓練改為選修,每週上課2小時為1學分,成績及格者,83年次以前同學以每8堂 課折算1日役期(1門課折抵4日役期,2門課折抵9日役期,以此類推)。83年次以後同學每門課折抵2日訓期。
- 四、通識教育課程分為正式課程及通識教育活動:
- (一)正式課程:必修28學分
- 1. 英文必修4學分
- 英文課程採分級制,分級以大學指考及學測成績為依據,分級結果於選課前公告。如達該學系英文畢業檢定標準,經所屬學系審核通過,得免修英文4學分,相關細則依「中國醫藥大學英文暨英語聽講必修課程免修學分實施要點」規定辦理。
- 2. 資訊相關課程(2學分)
- 3. 服務學習課程(1學分)
- 4. 通識課程(21學分)
- (1)核心通識課程:至少修習10學分,五大類中至少任選三大類。
- A. 語文類:國文、英文進階課程及第二外語課程等。
- B. 人文藝術類:文學藝術類、歷史文明類等。
- C. 社會科學類:法政類;社會、心理、人類、教育、性別研究類;管理、經濟類等。
- D. 自然科學類:基礎科學類;生命科學類;應用科學類;科學技術類等。
- E. 運動知能類:如運動心理學、運動生理學、國際賽事分析與 博弈事業、運動與健康的學理探討等學術類課程。如屬該學系 之必選修課程者,將設限不得認列為通識學分。
- (2) 跨學院通識課程:至少須修習跨學院課程4學分。
- (二)通識教育活動:0學分,學生須於在學期間參與至
- 少16小時通識教育中心所認定之演講與校內外所舉辦之展演活動;成績以通過/不通過計分。相關細則依「通識教育活動實施要點」規定辦理。
- 五、服務學習時數:需修習通識必修1學分(可認列18小時服務學習課程)(醫學系、中醫學系另於下學期開設系上必

Note of CMU

For students enrolled in the fall semester of 2023:

- 1.According to the regulation of CMU Students' English Proficiency Assessment, Students must pass the minimal English Proficiency Requirement before graduation.
- 2. Taking Physical Education Course is compulsory for first year students (0 credits), students must pass to graduate. For second year or above, Physical Education is elective with 1 credit per semester.
- 3.Defense Education Military Training Course is elective, with 2 hours per week (1 credit).
- 4.General education courses consist of formal courses and general education activities:
- (1)Formal courses: 28 required credits
- i.English (4 credits): A level-based class grouping system is adopted based on students' score of the entrance examination. Students who meet the department's English graduation standard and are approved by the department can be exempted from the course.
- ii. Technology Information-related courses (2 credits)
- iii.Service learning courses (1 credit)
- iv.General education courses (21 credits)
- Core general education courses: Minimum of 10 credits, with at least three of the five categories. (Language, Humanities and arts, Social sciences, Natural sciences, Sports)
- Cross-college general education courses: Minimum of 4 credits.
- (2)General education activities: 0 credits. Students must participate in at least 16 hours of activities held by the General Education Center, scores will be marked as pass/fail.
- 5.Service learning hours: 1 credit of compulsory general education (can be listed in 18 hours of service learning courses) (School of Medicine and Chinese Medicine will offer 1 credit of compulsory course in the 2nd semester), 6 hours of voluntary service basic training, 6 hours participation service-learning lectures, and 18 hours of volunteer service. A total of 48 hours is required to be eligible for graduation.
- XVoluntary service basic training will be held by the Office of Student Affairs (to be announced).
- 6.Students must participate in the basic cardiopulmonary resuscitation

中國醫藥大學 醫學院醫學檢驗生物技術學系 選修畢業學分認定表 112 學年度入學適用

China Medical University Department of Medical Laboratory Science and Biotechnology Elective for Undergraduate Majors (Applicable for 2023-2024 Enrollees)

修1學分)之服務學習課程,以及6小時志願服務基礎教育訓練、6小時服務學習講座參與、18小時志工服務(不含服務學習講座),共計需完成48小時之服務學習時數,始符合畢業資格。

※志願服務基礎訓練由學務處服務學習中心舉辦(另行公告),其他未盡事宜請詳閱「服務學習課程實施要點」(學務處服務學習中心網頁)。

六、畢業前必須參加校內舉辦之基礎心肺復甦術訓練,方具畢業資格。相關規定依本校「學生基礎心肺復甦術訓練實施要點」辦理。

七、本學分表做為畢業學分認定之依據。

醫學檢驗生物技術學系注意事項

- 一、教育目標:1. 培養醫學檢驗專業能力。2. 培養生物技術知識技能。3. 培養醫檢與生技產業之興趣與研究能力。
- 二、112學年度入學新生實施,本系4年制,最低畢業學分為130學分,含必修107學分,選修23學分,必、選修課程均需依本系規定及成績均需及格,始得畢業。
- 三、選修課程規定如下:
- (一)「醫學檢驗學專題討論」、「生物醫學專題討論」及「生物技術學專題討論」等三門2學分全英文課程,必需修畢其中一門課程。
- (二)「醫技專題研究(二)」2學分課程、「分子生物學暨生物技術學實驗」2學分課程及「生物統計學」2學分課程,必須修畢其中一門課程。
- (三)需修畢「醫學檢驗總論(二)」2學分課程。

單位主管簽章:

training held by the university before graduation.

7. This list is used as the recognition basis of courses and credits required for graduation

Note of Department of Medical Laboratory Science and Biotechnology 1. Educational Objectives: (1) Developing professional ability in medical laboratory science (2) Developing knowledge and skills in biotechnology (3) Fostering interest and research capacity in medical laboratory and biotechnology industry.

2.Credit Requirements:

This department is a 4-year program. The minimum number of credits to obtain the diploma is 130, including 107 required credits and 23 elective credits. Both required and elective courses must be completed in accordance with the department's rules, and a passing grade is required. Please review the Program Requirements for more details. These rules are applied to new students enrolled in the 111th academic year.

3. Elective Courses Requirements:

- (1) Students must complete one of three following full English courses with two credits \Box Medical laboratory seminar, \Box Biomedicine seminar and \Box Biotechnology seminar.
- (2) Students must complete one of three following courses with two credits \square Research in laboratory science (II), \square Molecular biology & biotechnology laboratory and \square Biostatistics.
- (3) Students must complete the course" General review of medical technology (II) ",with 2 credits.