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 113 學年度入學適用

China Medical University Requirement for Undergraduate Majors (Applicable for 2024-2025 Enrollees)

列印日期(Date)：115年3月17日

科目名稱/課號 Course Title/Course ID	修別 Type	學分 Credits	一年級 Freshman 上 1	一年級 Freshman 下 2	二年級 Sophomore 上 1	二年級 Sophomore 下 2	三年級 Junior 上 1	三年級 Junior 下 2	四年級 Senior 上 1	四年級 Senior 下 2	課程分類 Category	備註 Remarks
生物學(C)(Biology(C))／07U000289	必(R)	2.0	2.0								系定必修(Departmental Required Courses)	
有機化學(A)(Organic chemistry (A))／07U000287	必(R)	2.0	2.0								系定必修(Departmental Required Courses)	
組織學(C)(Histology (C))／07U000266	必(R)	1.0	1.0								系定必修(Departmental Required Courses)	
普通化學(C)(General chemistry (C))／07U000253	必(R)	2.0	2.0								系定必修(Departmental Required Courses)	
分析化學(B)(Analytical chemistry (B))／07U000250	必(R)	2.0		2.0							系定必修(Departmental Required Courses)	
生物化學(A-1)(Biochemistry(A-1))／07U000285	必(R)	2.0		2.0							系定必修(Departmental Required Courses)	
微生物學及免疫學(B-1)(Microbiology & immunology (B-1))／07U000260	必(R)	2.0		2.0							系定必修(Departmental Required Courses)	
生物化學(A-2)(Biochemistry(A-2))／07U000286	必(R)	2.0			2.0						系定必修(Departmental Required Courses)	
生理及生化學實驗(Physiology and biochemistry laboratory)／07U000301	必(R)	1.0			1.0						系定必修(Departmental Required Courses)	
生理學(D)(Physiology (D))／07U000264	必(R)	2.0			2.0						系定必修(Departmental Required Courses)	
微生物學及免疫學(B-2)(Microbiology & immunology (B-2))／07U000261	必(R)	2.0			2.0						系定必修(Departmental Required Courses)	
微生物學及免疫學實驗(C)(Microbiology & immunology laboratory (C))／07U000246	必(R)	1.0			1.0						系定必修(Departmental Required Courses)	
解剖學(B)(Anatomy (B))／07U000270	必(R)	2.0			2.0						系定必修(Departmental Required Courses)	
醫檢人工智慧與大數據(Artificial intelligence and big data in medical laboratory science)／07U000311	必(R)	1.0			1.0						系定必修(Departmental Required Courses)	精準醫學學分學程課程(Precision Medicine Credit Program)
分子生物學(Molecular biology)／07U000098	必(R)	2.0				2.0					系定必修(Departmental Required Courses)	生物技術學分學程及精準醫學學分學程課程(Biotechnology Credit Program&Precision Medicine Credit Program)
病理學(D)(Pathology (D))／07U000259	必(R)	2.0				2.0					系定必修(Departmental Required Courses)	
寄生蟲學(B)(Parasitology (B))／07U000268	必(R)	1.0				1.0					系定必修(Departmental Required Courses)	
寄生蟲學實驗(B)(Parasitologic laboratory (B))／07U000269	必(R)	1.0				1.0					系定必修(Departmental Required Courses)	
臨床生化學(Clinical biochemistry)／07U000054	必(R)	3.0				3.0					系定必修(Departmental Required Courses)	
臨床生化學實驗(Clinical biochemistry laboratory)／07U000227	必(R)	1.0				1.0					系定必修(Departmental Required Courses)	
生物技術學(Biotechnology)／07U000102	必(R)	2.0					2.0				系定必修(Departmental Required Courses)	生物技術學分學程課程(Biotechnology Credit Program)
血庫學(Blood banking)／07U000048	必(R)	1.0					1.0				系定必修(Departmental Required Courses)	
臨床血液學(Clinical hematology)／07U000117	必(R)	3.0					3.0				系定必修(Departmental Required Courses)	
臨床血液學及血庫學實驗(Clinical hematology & blood banking laboratory)／07U000212	必(R)	2.0					2.0				系定必修(Departmental Required Courses)	
臨床病毒學(Clinical virology)／07U000123	必(R)	2.0					2.0				系定必修(Departmental Required Courses)	
臨床鏡檢學(Clinical microscopy)／07U000043	必(R)	2.0					2.0				系定必修(Departmental Required Courses)	
臨床鏡檢學實驗(Clinical microscopy laboratory)／07U000045	必(R)	1.0					1.0				系定必修(Departmental Required Courses)	
臨床生理學(Clinical physiology)／07U000052	必(R)	2.0						2.0			系定必修(Departmental Required Courses)	
臨床血清及免疫學(Clinical serology & immunology)／07U000057	必(R)	2.0						2.0			系定必修(Departmental Required Courses)	
臨床血清及免疫學實驗(Clinical serology & immunology laboratory)／07U000228	必(R)	1.0						1.0			系定必修(Departmental Required Courses)	
臨床微生物學(Clinical microbiology)／07U000069	必(R)	3.0						3.0			系定必修(Departmental Required Courses)	
臨床微生物學實驗(Clinical microbiology laboratory)／07U000222	必(R)	1.0						1.0			系定必修(Departmental Required Courses)	
醫學分子檢驗學(Medical molecular diagnostics)／07U000219	必(R)	2.0						2.0			系定必修(Departmental Required Courses)	
血庫學實習(Blood banking practice)／07U000130	必(R)	1.0							1.0		學期實習(Semester Internship)	需實習40小時(40 -hour internship required)
病理切片與細胞診斷實習(Histopathologic & cytology practice)／07U000213	必(R)	1.0							1.0		學期實習(Semester Internship)	需實習40小時(40 -hour internship required)
臨床生化學實習(Clinical biochemistry practice)／07U000225	必(R)	2.0							2.0		學期實習(Semester Internship)	需實習120小時(120 -hour internship required)

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 113 學年度入學適用

China Medical University Requirement for Undergraduate Majors (Applicable for 2024-2025 Enrollees)

列印日期(Date)：115年3月17日

科目名稱/課號 Course Title/Course ID	修別 Type	學分 Credits	一年級 Freshman 上 1	一年級 Freshman 下 2	二年級 Sophomore 上 1	二年級 Sophomore 下 2	三年級 Junior 上 1	三年級 Junior 下 2	四年級 Senior 上 1	四年級 Senior 下 2	課程分類 Category	備註 Remarks
臨床生理學實習(Practice in clinical physiology practice)／07U000275	必(R)	2.0							2.0		學期實習(Semester Internship)	需實習80小時(80 -hour internship required)
臨床血液學實習(Clinical hematology practice)／07U000062	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)／07U000058	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)／07U000129	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)／07U000070	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)／07U000044	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)／07U000276	必(R)	1.0							1.0		學期實習(Semester Internship)	需實習80小時(80 -hour internship required)
儀器分析與應用(Instrumental analysis and application)／07U000291	必(R)	1.0								1.0	系定必修(Departmental Required Courses)	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))／07U000295	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

113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。不得以選修體育抵免必選修體育。
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。

Note of CMU

For students enrolled in the fall semester of 2024:
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.Students cannot use elective physical education to offset compulsory elective courses.
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.
※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 113 學年度入學適用

China Medical University Requirement for Undergraduate Majors (Applicable for 2024-2025 Enrollees)

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、113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。

Note of

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 113th academic year.

3.Elective Courses Requirements:

(1) Students must complete one of three following full English courses with two credits ① Medical laboratory seminar, ② Biomedicine seminar and ③ Biotechnology seminar.

(2) Students must complete one of three following courses with two credits ① Research in laboratory science (II), ② Molecular biology & biotechnology laboratory and ③ Biostatistics.

(3) Students must complete the course “General review of medical technology (II)”,with 2 credits.

單位主管簽章：

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 113 學年度入學適用

China Medical University Elective for Undergraduate Majors (Applicable for 2024-2025 Enrollees)

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大數據技術與分析實踐(Big Data Technology and Analytical Practices)／07U000317	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)
生物技術學導論(Introduction to biotechnology)／07U000082	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)
自由選修類課程(替代通識用)(Elective Course)／07U000320	選(E)	0.0	0.0								自由選修(Free Electives)	
組織學實驗(C)(Histology laboratory (C))／07U000267	選(E)	1.0	1.0								系定選修(Departmental Elective Courses)	
實驗室安全(Laboratory safety)／07U000205	選(E)	2.0	2.0								系定選修(Departmental Elective Courses)	
醫技導論(Introduction to medical technology)／07U000075	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)／07U000272	選(E)	2.0	2.0								系定選修(Departmental Elective Courses)	
醫檢倫理(Medical laboratory ethics)／07U000241	選(E)	2.0	2.0								系定選修(Departmental Elective Courses)	
人體免疫與醫學(Human immunity and medicine)／07U000315	選(E)	2.0		2.0							系定選修(Departmental Elective Courses)	
程式設計(Programming)／07U000096	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)
醫學生技研究方法概論(Introduction to medical biotechnology research methods)／07U000280	選(E)	2.0		2.0							系定選修(Departmental Elective Courses)	
工業微生物學(Industrial microbiology)／07U000179	選(E)	2.0			2.0						系定選修(Departmental Elective Courses)	
生醫感測器概論(Introduction to biosensors)／07U000194	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))
細胞生物學(Cell biology)／07U000074	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)
細胞診斷及組織病理學技術(Diagnostic cytology & histopathologic techniques)／07U000200	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)／07U000201	選(E)	1.0			1.0						系定選修(Departmental Elective Courses)	
細胞暨生殖技術(Cell and reproductive technologies)／07U000308	選(E)	2.0			2.0						系定選修(Departmental Elective Courses)	再生醫療跨領域微學程(Regenerative Medicine Micro Program)
蛋白質化學(Protein chemistry)／07U000099	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)
醫技專業英文(Practical English Course for Medical Technology)／07U000316	選(E)	2.0			2.0						系定選修(Departmental Elective Courses)	全英文授課(EMI課程)(Full English Courses(EMI Courses))
醫技專題研究(一)(Research in laboratory science (I))／07U000242	選(E)	1.0			1.0						系定選修(Departmental Elective Courses)	
人類遺傳學(Human genetics)／07U000083	選(E)	2.0				2.0					系定選修(Departmental Elective Courses)	生物技術學分學程及精準醫學學分學程課程及再生醫療跨領域微學程(Biotechnology Credit Program&Precision Medicine Credit Program&Regenerative Medicine Micro Program)
生物化學實驗(C)(Biochemistry laboratory (C))／07U000245	選(E)	1.0				1.0					系定選修(Departmental Elective Courses)	
生物技術學專題討論(Biotechnology seminar)／07U000232	選(E)	2.0				2.0					專題討論課程(Seminar Course)	全英文授課(EMI課程)(Full English Courses(EMI Courses))
生物統計學(Biostatistics)／07U000036	選(E)	2.0				2.0					專題研究課程(Individual studies Courses)	生物技術學分學程及精準醫學學分學程課程(Biotechnology Credit Program&Precision Medicine Credit Program)
生物醫學專題討論(Biomedicine seminar)／07U000231	選(E)	2.0				2.0					專題討論課程(Seminar Course)	全英文授課(EMI課程)(Full English Courses(EMI Courses))
奈米生物科技(Introduction to nanobiotechnology)／07U000192	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)
微生物學及免疫學實驗(D)(Microbiology & immunology laboratory (D))／07U000247	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))／07U000242	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)／07U000230	選(E)	2.0				2.0					專題討論課程(Seminar Course)	全英文授課(EMI課程)(Full English Courses(EMI Courses))

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 113 學年度入學適用

China Medical University Elective for Undergraduate Majors (Applicable for 2024-2025 Enrollees)

列印日期(Date)：115年3月17日

科目名稱/課號 Course Title/Course ID	修別 Type	學分 Credits	一年級 Freshman 上 1	一年級 Freshman 下 2	二年級 Sophomore 上 1	二年級 Sophomore 下 2	三年級 Junior 上 1	三年級 Junior 下 2	四年級 Senior 上 1	四年級 Senior 下 2	課程分類 Category	備註 Remarks
分子生物學暨生物技術學實驗(Molecular biology & biotechnology laboratory)／07U000237	選(E)	2.0					2.0				專題研究課程(Individual studies Courses)	
生物統計學實習(Biostatistics Practice)／07U000314	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)
生物製造程序(Bioprocess engineering)／07U000182	選(E)	2.0					2.0				系定選修(Departmental Elective Courses)	
臨床病毒學實驗(Clinical virology laboratory)／07U000065	選(E)	1.0					1.0				系定選修(Departmental Elective Courses)	
臨床寄生蟲學(Clinical parasitology)／07U000103	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))／07U000243	選(E)	1.0					1.0				專題研究課程(Individual studies Courses)	
生物資訊學(Bioinformatics)／DBU000081	選(E)	2.0						2.0			系定選修(Departmental Elective Courses)	生物技術學分學程及精準醫學學分學程課程(Biotechnology Credit Program&Precision Medicine Credit Program)
長期照護之健檢與諮詢(Medical technology & consultation in long-term care)／07U000215	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)／07U000097	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)／07U000156	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)／07U000292	選(E)	1.0						1.0			系定選修(Departmental Elective Courses)	再生醫療跨領域微學程(Regenerative Medicine Micro Program)
醫技專題研究(二)(Research in laboratory science (II))／07U000243	選(E)	1.0						1.0			專題研究課程(Individual studies Courses)	
分子醫學概論(Introduction to molecular medicine)／07U000310	選(E)	1.0								1.0	系定選修(Departmental Elective Courses)	精準醫學學分學程課程(Precision Medicine Credit Program)
精準醫學(Precision medicine)／07U000297	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)／07U000105	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)
醫學檢驗總論(二)(General review of medical technology (Ⅱ))／07U000296	選(E)	2.0								2.0	醫學檢驗總論課程(General Review of Medical Laboratory Science Courses)	
醫檢生技見習(Practical training in medical technology and bio-industry)／07U000307	選(E)	1.0								1.0	系定選修(Departmental Elective Courses)	規劃暑期或期末見習(Long-Term Care Credit program)
醫檢職場與生技產業(Clinical laboratory science & biotechnology industry)／07U000278	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)		79.0	13.0	6.0	16.0	15.0	10.0	9.0		10.0		

校內注意事項

Note of CMU

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 113 學年度入學適用

China Medical University Elective for Undergraduate Majors (Applicable for 2024-2025 Enrollees)

113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。不得以選修體育抵免必選修體育。
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。

For students enrolled in the fall semester of 2024:
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.Students cannot use elective physical education to offset compulsory elective courses.
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.
※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

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、113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。

Note of

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 113th academic year.
3.Elective Courses Requirements:
(1) Students must complete one of three following full English courses with two credits ① Medical laboratory seminar, ② Biomedicine seminar and ③ Biotechnology seminar.
(2) Students must complete one of three following courses with two credits ① Research in laboratory science (II), ② Molecular biology & biotechnology laboratory and ③ Biostatistics.
(3) Students must complete the course “General review of medical technology (II)”,with 2 credits.

單位主管簽章：