

中臺科技大學大學部四年制日間部醫學檢驗生物技術系 109 學年度入學課程標準表

1090302系課程委員會審議通過1090302系務會議審議通過
1090304院課程委員會審議通過1090401校課程委員會審議通過
1090401校課程委員會審議通過1110304系課程委員會修訂通過
1110310院課程委員會審議通過1110316校課程委員會審議通過

| 科目類別 | 科目名稱 | 學分數 | 時數 | 第一學年 | | 第二學年 | | 第三學年 | | 第四學年 | | 備註 |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|----------|----------|----------|----------|----------|----------|
| | | | | 上 | 下 | 上 | 下 | 上 | 下 | 上 | 下 | |
| | | | | 授課 | 實習 | 授課 | 實習 | 授課 | 實習 | 授課 | 實習 | |
| 基本素養 | 文學與人生 Literature and Life | 2 | 2 | 2 | | | | | | | | |
| | 實用生活美學 Aesthetics for Life | 2 | 2 | | 2 | | | | | | | |
| | 法律學概論 Introduction to Law | 2 | 2 | | 2 | | | | | | | |
| | 資訊科技與應用 Information Technology and Application | 2 | 2 | 2 | | | | | | | | 電腦課程 |
| | 人際關係與溝通 Interpersonal Relationships and Communication | 2 | 2 | 2 | | | | | | | | |
| | 時間、空間、多元文化 Multi-cultures | 2 | 2 | 2 | | | | | | | | |
| | 普通生物學 General Biology | 2 | 2 | 2 | | | | | | | | |
| | 微積分 Calculus | 2 | 2 | | 2 | | | | | | | |
| | 文學領域 Literature Studies | 2 | 2 | | 2 | | | | | | | |
| | 文化領域 Cultural Studies | 2 | 2 | | | | | 2 | | | | |
| | 大一英文(一) Freshman English (I) | 2 | 2 | 2 | | | | | | | | |
| | 大一英文(二) Freshman English (II) | 2 | 2 | | 2 | | | | | | | |
| 小計(1) | 24 | 24 | 12 | 0 | 10 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| 軍訓與體育 | 全民國防教育軍事訓練-國防科技 All-out Defense Education Military Training - Defense Technology | 0 | 2 | 2 | | | | | | | | |
| | 體育(一) Physical Education (I) | 1 | 2 | 2 | | | | | | | | |
| | 體育(二) Physical Education (II) | 1 | 2 | | 2 | | | | | | | |
| | 體育(三) Physical Education (III) | 0 | 2 | | | 2 | | | | | | |
| | 小計(2) | 2 | 8 | 4 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 |
| 通識教養教育小計(一)=小計(1)+(2) | | 26 | 32 | 16 | 0 | 12 | 0 | 2 | 0 | 0 | 2 | 0 |
| 核心基礎 | 有機化學 Organic Chemistry | 2 | 2 | | 2 | | | | | | | |
| | 分析化學 Analytical Chemistry | 2 | 2 | | | 2 | | | | | | |
| | 普通化學 General Chemistry | 2 | 2 | 2 | | | | | | | | |
| | 人體生理學 Human Physiology | 2 | 2 | | 2 | | | | | | | |
| | 有機化學實驗 Organic Chemistry Laboratory | 1 | 2 | | | 2 | | | | | | |
| | 分析化學實驗 Analytical Chemistry Laboratory | 1 | 2 | | | | 2 | | | | | |
| | 解剖學 Anatomy | 2 | 2 | 2 | | | | | | | | |
| | 解剖學實驗 Anatomy Laboratory | 1 | 2 | | 2 | | | | | | | |
| | 人體生理學實驗 Human Physiology Laboratory | 1 | 2 | | | 2 | | | | | | |
| | 分子生物學 Molecular Biology | 2 | 2 | | | | 2 | | | | | |
| 小計(3) | 16 | 20 | 4 | 2 | 4 | 4 | 2 | 2 | 2 | 0 | 0 | |
| 專業必修 | 病理學 Pathology | 2 | 2 | | | | | 2 | | | | |
| | 寄生蟲學 Parasitology | 2 | 2 | | | | 2 | | | | | |
| | 寄生蟲學實驗 Parasitology Laboratory | 1 | 2 | | | | 2 | | | | | ◎"無修習" |
| | 生物化學(一) Biochemistry (I) | 2 | 2 | | | 2 | | | | | | ◎"無修習" |
| | 生物化學實驗 Biochemistry Laboratory | 1 | 2 | | | | 2 | | | | | ◎"無修習" |
| | 生物化學(二) Biochemistry (II) | 2 | 2 | | | | 2 | | | | | ◎"無修習" |
| | 微生物學(一) Microbiology (I) | 2 | 2 | | 2 | | | | | | | |
| | 微生物學(二) Microbiology (II) | 2 | 2 | | | 2 | | | | | | |
| | 微生物學實驗 Microbiology Laboratory | 1 | 2 | | | | 2 | | | | | |
| | 病理切片技術含實驗 Histopathology Techniques and Laboratory | 1 | 2 | | | | | 1 | 1 | | | |
| | 臨床鏡檢學 Clinical Microscopy | 2 | 2 | | | | | 2 | | | | |
| | 臨床鏡檢學實驗 Clinical Microscopy Laboratory | 1 | 2 | | | | | | 2 | | | ◎"無修習" |
| | 免疫學 Immunology | 3 | 3 | | | | | | 3 | | | |
| | 臨床血液學(一) Clinical Hematology (I) | 2 | 2 | | | | | | 2 | | | |
| | 臨床血液學實驗(一) Clinical Hematology Laboratory (I) | 1 | 2 | | | | | | | 2 | | ◎"無修習" |
| | 臨床血液學(二) Clinical Hematology (II) | 2 | 2 | | | | | | | 2 | | |
| | 臨床血液學實驗(二) Clinical Hematology Laboratory (II) | 1 | 2 | | | | | | | | 2 | ◎"無修習" |
| | 臨床生物化學(一) Clinical Biochemistry (I) | 2 | 2 | | | | | | 2 | | | |
| | 臨床生物化學實驗(一) Clinical Biochemistry Laboratory (I) | 1 | 2 | | | | | | | 2 | | ◎"無修習" |
| | 臨床生物化學(二) Clinical Biochemistry (II) | 2 | 2 | | | | | | | 2 | | |
| | 臨床生物化學實驗(二) Clinical Biochemistry Laboratory (II) | 1 | 2 | | | | | | | | 2 | ◎"無修習" |
| | 臨床生理學 Clinical physiology | 2 | 2 | | | | | | 2 | | | |
| | 臨床生理學實驗 Clinical Physiology Laboratory | 1 | 2 | | | | | | | 2 | | ◎"無修習" |
| | 臨床病毒學 Clinical Virology | 2 | 2 | | | | | | | 2 | | |
| | 血庫學 Immunohematology | 2 | 2 | | | | | | | 2 | | |
| | 臨床血清免疫學 Clinical Seroimmunology | 2 | 2 | | | | | | | 2 | | |
| | 臨床血清免疫學實驗 Clinical Seroimmunology Laboratory | 1 | 2 | | | | | | | | 2 | ◎"無修習" |
| | 臨床微生物學 Clinical Microbiology | 3 | 3 | | | | | | | 3 | | |
| 臨床微生物學實驗 Clinical Microbiology Laboratory | 2 | 4 | | | | | | | | 4 | ◎"無修習" | |
| 臨床血液學與血庫學證照實務 License Practice of Clinical Hematology and Immunohematology | 1 | 2 | | | | | | | | | 2 | |
| 醫學分子檢驗學與臨床鏡檢學證照實務 License Practice of Molecular Medicine and Clinical Microscopy | 1 | 2 | | | | | | | | | 2 | |

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|---------------------------------------------------|-------------------------------------------------------------------------------------|------------|------------|-----------|----------|-----------|----------|-----------|-----------|-----------|----------|-----------|----------|-----------|-----------|----------|-----------|-----------|----------|
| | | | | 上 | 下 | 上 | 下 | 上 | 下 | 上 | 下 | | | | | | | | |
| | | | | 授課 | 實習 | 授課 | 實習 | 授課 | 實習 | 授課 | 實習 | | 授課 | 實習 | | | | | |
| | 臨床生理學與病理學證照實務 License Practice of Clinical Physiology and Clinical Pathology | 1 | 2 | | | | | | | | 2 | | | | | | | | |
| | 生物化學與臨床生物化學證照實務 License Practice of Biochemistry and Clinical Biochemistry | 1 | 2 | | | | | | | | 2 | | | | | | | | |
| | 微生物學與臨床微生物學證照實務 License Practice of Microbiology and Clinical microbiology | 1 | 2 | | | | | | | | 2 | | | | | | | | |
| | 臨床血清免疫學與臨床病毒學證照實務 License Practice of Clinical Seroinmunology and Clinical Virology | 1 | 2 | | | | | | | | 2 | | | | | | | | |
| | 醫學分子檢驗學 Molecular Diagnosis in Medicine | 3 | 3 | | | | | | 3 | | | | | | | | | | |
| | 臨床生化實習 Clinical Biochemistry Practice | 2 | 4 | | | | | | | | 4 | ◎◎◎◎◎◎◎◎ | | | | | | | |
| | 臨床微生物實習 Clinical Microbiology Practice | 2 | 4 | | | | | | | | 4 | ◎◎◎◎◎◎◎◎ | | | | | | | |
| | 臨床血液實習 Clinical Hematology Practice | 1 | 2 | | | | | | | | 2 | ◎◎◎◎◎◎◎◎ | | | | | | | |
| | 臨床血庫實習 Immunohematology Practice | 1 | 2 | | | | | | | | 2 | ◎◎◎◎◎◎◎◎ | | | | | | | |
| | 臨床鏡檢實習 Clinical Microscopy Practice | 2 | 4 | | | | | | | | 4 | ◎◎◎◎◎◎◎◎ | | | | | | | |
| | 臨床血清免疫實習 Clinical Serology and Immunology Practice | 1 | 2 | | | | | | | | 2 | ◎◎◎◎◎◎◎◎ | | | | | | | |
| | 臨床生理實習 Clinical Physiology Practice | 1 | 2 | | | | | | | | 2 | ◎◎◎◎◎◎◎◎ | | | | | | | |
| | 病理切片與細胞診斷實習 Clinical Pathology Practice | 1 | 2 | | | | | | | | 2 | ◎◎◎◎◎◎◎◎ | | | | | | | |
| | 醫學分子檢驗實習 Molecular Medicine Practice | 1 | 2 | | | | | | | | 2 | ◎◎◎◎◎◎◎◎ | | | | | | | |
| | 小計(4) | 70 | 101 | 0 | 0 | 2 | 0 | 6 | 6 | 7 | 3 | 9 | 6 | 16 | 10 | 0 | 24 | 12 | 0 |
| 專業必修小計(二)=小計(3)+(4) | | 86 | 121 | 4 | 2 | 6 | 4 | 8 | 8 | 9 | 3 | 9 | 6 | 16 | 10 | 0 | 24 | 12 | 0 |
| 必修合計(A)=小計(一)+(二) | | 112 | 153 | 20 | 2 | 18 | 4 | 10 | 8 | 9 | 3 | 11 | 6 | 16 | 10 | 0 | 24 | 12 | 0 |
| 博學涵養 | 發展通識Advanced General Education | 2 | 2 | | | | 2 | | | | | | | | | | | | |
| | 發展通識Advanced General Education | 2 | 2 | | | | | | 2 | | | | | | | | | | |
| | 小計(5) | 4 | 4 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 專業選修 | 腫瘤生物學 Cancer Biology | 2 | 2 | | | | | | 2 | | | | | | | | | | |
| | 臨床神經生理學 Clinical Neurophysiology | 2 | 2 | | | | | | 2 | | | | | | | | | | ◎◎◎◎◎◎ |
| | ◎細胞診斷學 Diagnostic Cytology | 2 | 2 | | | | | | | | 2 | | | | | | | | |
| | ◎黴菌學含實驗 Clinical Mycology and Laboratory | 1 | 2 | | | | | | | | 2 | | | | | | | | |
| | 組織學 Histology | 2 | 2 | | | 2 | | | | | | | | | | | | | |
| | 檢驗分析應用 Applications of laboratory analytical Methods | 2 | 2 | | | | | | | | 2 | | | | | | | | |
| | 睡眠醫學技術 Sleep Medicine and Technology | 2 | 2 | | | | | | | | | | 2 | | | | | | |
| | 普通生物學實驗 General Biological Laboratory | 1 | 2 | | 2 | | | | | | | | | | | | | | |
| | 普通化學實驗 General Chemistry Laboratory | 1 | 2 | | 2 | | | | | | | | | | | | | | |
| | 細胞培養技術 Cell Culture Technique | 2 | 2 | | | | | | 2 | | | | | | | | | | |
| | ◎專題討論 Seminar | 1 | 2 | | | | | | 2 | | | | | | | | | | |
| | ◎生物技術學實驗 Biotechnology Laboratory | 2 | 4 | | | | | | | 2 | 2 | | | | | | | | |
| | 細胞遺傳學 Cytogenetics | 2 | 2 | | | 2 | | | | | | | | | | | | | |
| | ◎健康產業與職業倫理 Ethics and Health Industry | 1 | 1 | 1 | | | | | | | | | | | | | | | 定編課程 |
| | ◎醫技英文(一) English in Medical Technology I | 1 | 1 | | 1 | | | | | | | | | | | | | | |
| | ◎醫技英文(二) English in Medical Technology II | 1 | 1 | | | | | | | | 1 | | | | | | | | |
| | ◎生物統計學 Biostatistics | 2 | 2 | | | 2 | | | | | | | | | | | | | |
| | 流行病學 Epidemiology | 2 | 2 | | | | | | 2 | | | | | | | | | | |
| | 生物資訊學概論 Introduction to Bioinformatics | 2 | 2 | | | | | | | | | | | | | | | 2 | 電腦課程 |
| | 臨床檢驗諮詢評估 Assessment of Clinical Data | 2 | 2 | | | | | | | | | | | | | | | 2 | |
| 論文導讀 Reading Skills for Science Literature | 2 | 2 | | | 2 | | | | | | | | | | | | | | |
| 日文 Japanese | 2 | 2 | | | 2 | | | | | | | | | | | | | | |
| ◎實驗室管理與認證 Laboratory Management and Certification | 2 | 2 | | | | | | | | | | | | | | | 2 | | |
| 小計(6) | 39 | 45 | 1 | 4 | 5 | 0 | 6 | 0 | 10 | 0 | 9 | 2 | 2 | 0 | 0 | 0 | 0 | 6 | 0 |
| 選修合計(B)=小計(5)+(6) | | 43 | 49 | 1 | 4 | 5 | 0 | 8 | 0 | 12 | 0 | 9 | 2 | 2 | 0 | 0 | 0 | 0 | 6 |
| 開課合計=必修(A)+選修(B) | | 155 | 202 | 21 | 6 | 23 | 4 | 18 | 8 | 21 | 3 | 20 | 8 | 18 | 10 | 0 | 24 | 18 | 0 |

- 畢業規定及其他相關說明：**
- 最低畢業學分為128學分，必修112學分【含基本素養24學分(文學領域與文化領域各2學分)、軍訓與體育2學分、專業必修86學分】，博學涵養4學分，選修至少12學分(其中含具◎之專業選修至少8學分)。
 - ◎為系定專業選修學生畢業前須選修具◎之專業選修課程始得畢業。
 - 畢業前需取得本校「資訊能力」畢業資格審定暨實施要點所列之資訊相關證照，始得畢業。
 - 在本校就學期間必須取得心肺復甦術(CPR)畢業門檻之相關規定，依照「中臺科技大學健康科學院心肺復甦術(CPR)證照畢業門檻實施要點」之規定辦理。
 - 有關英文畢業門檻之相關規定，依照「中臺科技大學大學部英文畢業門檻實施要點」之規定辦理。
 - 畢業前需修完普通化學「General Chemistry」2學分、普通生物學「General Biology」2學分、生物統計學「Biostatistics」2學分 三項健康科學院院定共同課程；普通化學、普通生物學需及格、生物統計學為選修需有修讀紀錄，始得畢業。
 - 電腦課程須繳交電腦實習費。
 - 有關「生活與服務」畢業門檻之相關規定，依照中臺科技大學「生活與服務」畢業門檻施行細則之規定辦理。