

中臺科技大學大學部二年制日間部醫學檢驗生物技術系112學年度入學課程標準表

1120208系課程委員會審議通過  
1120309院課程委員會審議通過  
1120315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 |    |    |         | 備註     |      |
|--|--|---|-----|------|----|----|----|------|----|----|---------|--------|------|
|  |  |   |     | 上    |    | 下  |    | 上    |    | 下  |         |        |      |
|  |  |   |     | 授課   | 實習 | 授課 | 實習 | 授課   | 實習 | 授課 | 實習      |        |      |
| 基本素養   | 當代思維與視野 Modern Thinking and Vision   | 2   | 2   | 2    |    |    |    |      |    |    |         |        |      |
|  | 人文學概論 Introduction to Humanities   | 2   | 2   |      |    | 2  |    |      |    |    |         |        |      |
|  | 進階英文(一) Advanced English (I)   | 2   | 2   | 2    |    |    |    |      |    |    |         |        |      |
|  | 進階英文(二) Advanced English (II)  | 2   | 2   |      |    | 2  |    |      |    |    |         |        |      |
| 小計(1)  |  | 8   | 8   | 4    | 0  | 4  | 0  | 0    | 0  | 0  | 0       |        |      |
| 專業必修   | 生技專業論文導讀 Reading Skills for Biotechnology-related Literature                           | 2   | 2   | 2    |    |    |    |      |    |    |         |        |      |
|  | 醫用生物化學 Medical Biochemistry  | 2   | 2   | 2    |    |    |    |      |    |    |         |        |      |
|  | 臨床檢驗品質管理 Clinical Laboratory Quality Management  | 2   | 2   |      |    | 2  |    |      |    |    |         |        |      |
|  | 小計(2)  |   | 6   | 6    | 4  | 0  | 2  | 0    | 0  | 0  | 0       | 0      |      |
|  | 核心專業   | 生物技術學含實驗 Biotechnology and Laboratory                         | 3   | 4    |    |    | 2  | 2    |    |    |         |        |      |
|  |  | 睡眠醫學技術含實驗 Sleep Medicine and Technology and Laboratory        | 2   | 3    | 3  |    |    |      |    |    |         |        |      |
|  |  | 最新檢驗項目分析 Analysis of Latest Test Item                         | 2   | 2    | 2  |    |    |      |    |    |         |        |      |
|  |  | 專題研究(一) Research in Special Topics I                          | 3   | 3    |    |    | 3  |      |    |    |         |        |      |
|  |  | 專題研究(二) Research in Special Topics II                         | 3   | 3    |    |    |    |      | 3  |    |         |        |      |
|  |  | 醫學實驗室認證與管理 Accreditation and Management in Medical Laboratory | 2   | 2    |    |    |    |      | 2  |    |         |        |      |
|  |  | 生物資訊學概論 Introduction to Bioinformatics                        | 2   | 2    |    |    | 2  |      |    |    |         |        | 電腦課程 |
|  |  | 生物製劑學 Biologics   | 2   | 2    |    |    |    |      | 2  |    |         |        |      |
|  |  | 專題討論(一) Seminar I   | 1   | 2    |    |    | 2  |      |    |    |         |        |      |
|  |  | 專題討論(二) Seminar II  | 1   | 2    |    |    |    |      | 2  |    |         |        |      |
|  |  | 分子病毒學 Molecular Virology                                      | 2   | 2    |    |    | 2  |      |    |    |         |        |      |
|  |  | 細胞生物學 Cell Biology  | 2   | 2    |    |    |    |      | 2  |    |         |        |      |
|  |  | 生物統計學 Biostatistics   | 2   | 2    | 2  |    |    |      |    |    |         |        |      |
|  |  | 小計(3)   |     | 27   | 31 | 7  | 0  | 11   | 2  | 11 | 0       | 0      | 0    |
|  | 專業必修小計=小計(2)+(3)   |   | 33  | 37   | 11 | 0  | 13 | 2    | 11 | 0  | 0       | 0      |      |
| 必修合計(A)=小計(1)+(2)+(3)                                  |  | 41  | 45  | 15   | 0  | 17 | 2  | 11   | 0  | 0  | 0       |        |      |
| 博學涵養   | 博學涵養 Liberal Education   | 2   | 2   |      |    | 2  |    |      |    |    |         |        |      |
|  | 博學涵養 Liberal Education   | 2   | 2   |      |    |    |    | 2    |    |    |         |        |      |
|  | 小計(4)  |   | 4   | 4    | 0  | 0  | 2  | 0    | 2  | 0  | 0       | 0      |      |
| 專業選修   | 輸血醫學 Transfusion Medicine  | 2   | 2   |      |    |    |    | 2    |    |    |         |        |      |
|  | 分子病理學 Molecular Pathology  | 2   | 2   |      |    |    |    |      | 2  |    |         |        |      |
|  | 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    |    |    |    |      |    |    |         |        |      |
|  | 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  |    |      |    |    |         |        |      |
|  | 檢驗分析應用 Applications of Laboratory analytical Methods                                   | 2   | 2   |      |    |    |    | 2    |    |    |         |        |      |
|  | 分子檢驗學含實驗 Molecular Laboratory Technology and Laboratory                                | 3   | 4   |      |    |    |    | 2    | 2  |    |         | 暑假期間上課 |      |
|  | 生技產業 Biotechnology Industry  | 2   | 2   | 2    |    |    |    |      |    |    |         |        |      |
|  | 細胞培養技術 Cell Culture Technique  | 2   | 2   |      |    | 2  |    |      |    |    |         |        |      |
|  | 遺傳學特論 Special Topics in Genetics   | 2   | 2   |      |    |    |    |      | 2  |    |         |        |      |
|  | 毒物化學 Chemistry of Poisons  | 2   | 2   |      |    |    |    | 2    |    |    |         |        |      |
|  | 生殖技術學 Reproduction Technology  | 2   | 2   |      |    |    |    | 2    |    |    |         |        |      |
|  | 微生物遺傳學 Microbial Genetics  | 2   | 2   |      |    |    |    |      | 2  |    |         |        |      |
|  | 流行病學 Epidemiology  | 2   | 2   | 2    |    |    |    |      |    |    |         |        |      |
|  | 臨床醫學實驗室安全 Clinical Laboratory Safety   | 1   | 1   | 1    |    |    |    |      |    |    |         | 學術倫理課程 |      |
|  | 顧客關係管理 Customer Relationship Management  | 2   | 2   |      |    | 2  |    |      |    |    |         |        |      |
|  | 臨床檢驗數據評估 Assessment of Clinical Data   | 2   | 2   |      |    |    |    |      | 2  |    |         |        |      |
| 醫院資訊管理系統 Hospital Information Management System (HIMS) | 2  | 2   |     |      |    |    |    | 2    |    |    |         |        |      |
| 業界實習 Clinical Practice                                 | 12   | 24  |     |      |    |    |    |      |    | 24 | 實習 18 週 |        |      |
| 小計(5)  |  | 48  | 67  | 11   | 0  | 10 | 0  | 10   | 2  | 10 | 24      |        |      |
| 選修合計(B)=小計(4)+(5)                                      |  | 52  | 71  | 11   | 0  | 12 | 0  | 12   | 2  | 10 | 24      |        |      |
| 開課合計=必修(A)+選修(B)                                       |  | 93  | 116 | 26   | 0  | 29 | 2  | 23   | 2  | 10 | 24      |        |      |
| 專業相關規定說明：  |  |   |     |      |    |    |    |      |    |    |         |        |      |
| 一  | 最低畢業學分爲72學分，必修41學分【含基本素養8學分、專業必修33學分】，博學涵養4學分，選修至少27學分（其中專業選修至少18學分）。                  |   |     |      |    |    |    |      |    |    |         |        |      |
| 二  | 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                |   |     |      |    |    |    |      |    |    |         |        |      |
| 三  | 分子檢驗學含實驗，學期中開課，暑假期間上課。   |   |     |      |    |    |    |      |    |    |         |        |      |
| 四  | 電腦課程須繳交電腦實習費。  |   |     |      |    |    |    |      |    |    |         |        |      |
| 五  | 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。                                       |   |     |      |    |    |    |      |    |    |         |        |      |
| 六  | 修習「臨床醫學實驗室安全」課程之學生，需透過「臺灣學術倫理教育資源中心」網路教學平臺修習至少 6 小時課程並通過總測驗後，於該網站下載修課證明後，提交任課老師列入成績考核。 |   |     |      |    |    |    |      |    |    |         |        |      |