

| | 科 目 | 學分 | 第一學年 | | 第二學年 | | 第三學年 | | 第四學年 | | 第五學年 | | 備 註 |
|--------|--|-----|--------------------------------------|----|------|----|------|---|------|---|------|---|--|
| | | | 上 | 下 | 上 | 下 | 上 | 下 | 上 | 下 | 上 | 下 | |
| | | | | | | | | | | | | | |
| 基礎課程 | 11001-中文 (Chinese) | 4 | 2 | 2 | | | | | | | | | |
| | 16058-大一英文 (Freshman English) | 6 | 3 | 3 | | | | | | | | | |
| | 16059-大二英文 (Sophomore English) | 4 | | | 2 | 2 | | | | | | | |
| | 01001-軍訓 (Military Training (1)) | | | | | | | | | | | | |
| | 02001-大一體育 (Physical Education (I)) | | | | | | | | | | | | |
| | 02002-大二體育 (Physical Education (2)) | | | | | | | | | | | | |
| | 00002-勞作教育 (Student's Labor) | | | | | | | | | | | | |
| 通識必修科目 | 99001-人文領域 (Humanities) | | | | | | | | | | | | 通識七領域必修人文、自然、社會及邏輯思維與運算四領域各一門課，至少修習14學分。 |
| | 99007-社會領域 (Social Sciences) | | | | | | | | | | | | |
| | 99008-自然領域 (Natural Sciences) | | | | | | | | | | | | |
| | 99009-文明與經典領域 (Civilization and Classic) | | | | | | | | | | | | |
| | 99010-領導與倫理領域 (Leadership & Ethics) | | | | | | | | | | | | |
| | 99011-邏輯思維與運算領域 (Logic Thinking & Basic Programming) | | | | | | | | | | | | 可用「程式語言」抵免 |
| | 99012-多元與議題導向領域 (Interdisciplinary and Multi-faceted Issues) | | | | | | | | | | | | |
| 學系必修科目 | 28028-線性代數(一) (Linear Algebra (I)) | 3 | 3 | | | | | | | | | | |
| | 69f03-基礎數學 (Fundamental Mathematics) | 2 | 2 | | | | | | | | | | |
| | 28090-計算機概論 (Introduction to Computer Science) | 3 | 3 | | | | | | | | | | |
| | 24407-微積分(一) (Calculus (I)) | 4 | 4 | | | | | | | | | | |
| | 24408-微積分(二) (Calculus (II)) | 4 | | 4 | | | | | | | | | |
| | 28029-線性代數(二) (Linear Algebra (II)) | 3 | | 3 | | | | | | | | | |
| | 28027-程式語言 (Programming Languages) | 3 | | | | | | | | | | | 可抵免通識「邏輯思維與運算領域」 |
| | 62102-經濟學(一) (Economics (I)) | 3 | 3 | | | | | | | | | | A群組7選1 |
| | 69458-普通生物學(一) (General Biology (I)) | 3 | | 3 | | | | | | | | | A群組7選1 |
| | 69e63-普通物理學(一) (General Physics (I)) | 3 | | | 3 | | | | | | | | A群組7選1 |
| | 28055-物件導向程式設計 (Object-Oriented Programming) | 3 | | | | 3 | | | | | | | A群組7選1 |
| | 24411-數據分析導論 (An Introduction to Data Analysis) | 3 | | | | 3 | | | | | | | A群組7選1 |
| | 24379-數學模型 (Mathematical Model) | 3 | | | | | 3 | | | | | | A群組7選1 |
| | 24412-深度學習導論 (An Introduction to Deep Learning) | 3 | | | | | | 3 | | | | | A群組7選1 |
| | 24084-機率學 (Probability) | 3 | | | 3 | | | | | | | | |
| | 24327-微分方程 (Differential Equations) | 3 | | | | 3 | | | | | | | |
| | 24169-向量分析 (Vector Analysis) | 3 | | | | 3 | | | | | | | B群組7選5 |
| | 24241-數學軟體 (Introduction to Mathematical Software) | 3 | | | | 3 | | | | | | | B群組7選5 |
| | 24030-統計學 (Statistics) | 3 | | | | 3 | | | | | | | B群組7選5 |
| | 24072-數值分析 (Numerical Analysis) | 3 | | | | 3 | | | | | | | B群組7選5 |
| | 24141-代數學(一) (Algebra (I)) | 3 | | | | | 3 | | | | | | B群組7選5 |
| | 24410-複變數函數論(一) (Complex Analysis (I)) | 3 | | | | | 3 | | | | | | B群組7選5 |
| | 24295-微分幾何 (Differential Geometry) | 3 | | | | | | 3 | | | | | B群組7選5 |
| | 24409-高等微積分 (Advanced Calculus) | 4 | | | | | 4 | | | | | | |
| | 28019-離散數學 (Discrete Mathematics) | 3 | | | | | | 3 | | | | | |
| | 37103-專題研究(一) (Project Research (I)) | 3 | | | | | | 3 | | | | | |
| | 必修學分數 | 84 | 20 | 12 | 11 | 11 | 7 | 6 | | | | | |
| | 選修學分數 | 44 | 選修學分依據「應用數學系學生畢業選修學分認定辦法」辦理。(100.04) | | | | | | | | | | |
| | 畢業學分數 | 128 | | | | | | | | | | | |

說明：

- 一、本科目表適用於本學年度入學新生，選修科目請參考學期開課資料。(108.04教務會議通過) 前次修正為(99.04)(100.04)(100.11) (102.04) (102.11)(103.04)(105.11)(107.04)
- 二、自100學年度起入學新生須符合本校英文能力畢業門檻實施辦法之規定。
- 三、自101學年度起入學新生須符合本校學生體育畢業門檻實施辦法之規定。