| 科目名稱 | |  | 第１  學年 | | 第２  學年 | | 第３  學年 | | 第４  學年 | | 第５  學年 | | 備註 | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 上 | 下 | 上 | 下 | 上 | 下 | 上 | 下 | 上 | 下 |  | |
| 基本知能課程1**2**  學分 | 外國語文學門(Q)  Foreign Language | 8 | 2 | 2 | 2 | 2 |  |  |  |  |  |  | 大1英文必修、大2外文自由選 | |
| 中國語文能力表達  Ability of Expressing in Spoken and Written Chinese | 2 |  |  |  |  |  |  |  |  |  |  | 語文表達 | |
| 大學學習(N)  Learning in University | 1 | 1 |  |  |  |  |  |  |  |  |  | 學習與發展學門(N) | |
| **社團學習與實作(K)**  Learning and Practice of Club  \*三全教育學生請另詢所屬學系 | 1 |  | 1 |  |  |  |  |  |  |  |  | **1.課外活動與團隊發展。**  **2.團隊發展承認為課外活動與團隊發展必修1學分。** | |
| 通識核心課程  1**4**  學分 | **探索永續**  Exploring Sustainability | 1 | 1 |  |  |  |  |  |  |  |  |  |  | |
| 文學經典學門(L)  Classics in World Literature | 2 |  |  |  |  |  |  |  |  |  |  | **人文領域至少2**學**分** | **1.每學門至多修習2科4學分。**  **2.社會議題探索暨實踐承認為社會分析學門必修2學分。**  **3.國際學習承認為全球視野學門必修2學分。** |
| 歷史與文化學門(P)  History and Culture | 2 |  |  |  |  |  |  |  |  |  |  |
| 哲學與宗教學門(V)  Philosophy and Religion | 2 |  |  |  |  |  |  |  |  |  |  |
| 藝術欣賞與創作學門(M)  Arts Appreciation and Invention | 2 |  |  |  |  |  |  |  |  |  |  |
| **全球視野學門(T)**  **Global Outlook**  \*三全教育學生請另詢所屬 | 2 |  |  |  |  |  |  |  |  |  |  | **社會領域至少2**學**分** |
| 未來學學門(R)  Futures Studies | 2 |  |  |  |  |  |  |  |  |  |  |
| **社會分析學門(W)**  **Social Analysis**  \*三全教育學生請另詢所屬學系 | 2 |  |  |  |  |  |  |  |  |  |  |
| 公民社會及參與學門(S)  Civil Society And Participation | 2 |  |  |  |  |  |  |  |  |  |  |
| 資訊教育學門(O)  Information & Computer Education | 2 |  |  |  |  |  |  |  |  |  |  | **科學領域至少2**學**分** |
| 全球科技革命學門(Z)  Global Technology Revolution | 2 |  |  |  |  |  |  |  |  |  |  |
| 自然科學學門(U)  Natural Sciences | 2 |  |  |  |  |  |  |  |  |  |  |
| 其他課程 | 體育  Physical Education | 4 | 1 | 1 | 1 | 1 |  |  |  |  |  |  | 不計入畢業學分 | |
| 全民國防教育軍事訓練（一）、全民國防教育軍事訓練（一）/護理（一）All-Out Defense Education Military  Training and Nursing | 0 |  |  |  |  |  |  |  |  |  |  | 1年級；單學期0學分 | |
| 校園與社區服務學習  Campus And Community Service-Learning | | 2 | 1 | 1 |  |  |  |  |  |  |  |  |  | |
| 社會議題探索暨實踐  Exploring and Implementing Social Issues | | 2 | 1 | 1 |  |  |  |  |  |  |  |  | 屬三全學院院共同必修科目。承認為通識核心課程中之社會分析學門， 2學分。承認對象僅限三全學院學生 | |
| 國際學習  Study Abroad and International Learning | | 2 |  |  | 2 |  |  |  |  |  |  |  | 屬三全學院院共同必修科目。承認為通識核心課程中之全球視野學門， 2學分。承認對象僅限三全學院學生。 | |
| 團隊發展  Team Development | | 1 |  |  |  |  |  |  | 1 |  |  |  | 屬三全學院院共同必修科目。承認為基本知能課程中之課外活動與團隊發展，1學分。承認對象僅限三全學院學生。 | |
| 離散數學  Discrete Mathematics | | 3 | 3 |  |  |  |  |  |  |  |  |  |  | |
| 微積分  Calculus | | 3 | 3 |  |  |  |  |  |  |  |  |  |  | |
| 計算機概論  Introduction To Computers | | 3 | 3 |  |  |  |  |  |  |  |  |  |  | |
| 計算機程式語言  Computer Programming | | 3 | 3 |  |  |  |  |  |  |  |  |  |  | |
| 機率統計  Probability and Statistics | | 3 |  | 3 |  |  |  |  |  |  |  |  |  | |
| 物件導向程式設計  Object Oriented Programming | | 3 |  | 3 |  |  |  |  |  |  |  |  |  | |
| 網路概論  Introduction To Computer Network | | 3 |  | 3 |  |  |  |  |  |  |  |  |  | |
| 線性代數  Linear Algebra | | 3 |  |  | 3 |  |  |  |  |  |  |  |  | |
| 計算機組織  Computer Organization | | 3 |  |  | 3 |  |  |  |  |  |  |  |  | |
| 資料結構  Data Structures | | 3 |  |  | 3 |  |  |  |  |  |  |  |  | |
| 軟體開發導論  Introduction to Software Development | | 3 |  |  | 3 |  |  |  |  |  |  |  |  | |
| 機器學習數學  Mathematics For Machine Learning | | 3 |  |  |  | 3 |  |  |  |  |  |  |  | |
| 作業系統  Operating Systems | | 3 |  |  |  | 3 |  |  |  |  |  |  |  | |
| 演算法  Algorithms | | 3 |  |  |  | 3 |  |  |  |  |  |  |  | |
| 資料庫  Database | | 3 |  |  |  | 3 |  |  |  |  |  |  |  | |
| 開源軟體實務  Open Source Practice | | 3 |  |  |  | 3 |  |  |  |  |  |  |  | |
| 人工智慧  Artificial Intelligence | | 2 |  |  |  |  |  |  | 2 |  |  |  |  | |
| 資訊安全  Information Security | | 2 |  |  |  |  |  |  | 2 |  |  |  |  | |
| 專題實驗  Special Topics Lab. | | 3 |  |  |  |  |  |  | 3 |  |  |  |  | |
| 大三出國  Junior Abroad | | 0 |  |  |  |  |  |  | 0 |  |  |  | 依規定三年級須至本系指定姊妹校留學一年，完成大三出國即可通過。 | |
|  | |  |  |  |  |  |  |  |  |  |  |  |  | |

1. 必修科目總學分數：81學分(含通識教育課程**26**學分)
2. 最低應修本系選修科目總學分數：19學分

（3） 其他選修總學分數：28學分

**畢業總學分數：128　學分**