

樹德科技大學 資訊工程系 114 學年度 國際產學合作專班 入學課程表

The Curriculum plan of 2025 International Programs of Industry-Academia Collaboration in Department of Computer Science and Information Engineering SHU-TE University

| 類別<br>Classification                 | 第一學年 (114學年度) Fresh Year(2025-2026)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |   |               |                                                           |                         |   | 第二學年 (115學年度) Sophomore Year(2026-2027)   |             |                        |                                          |               |             | 第三學年 (116學年度) Junior Year(2027-2028)                              |   |               |                                                    |                        |    | 第四學年 (117學年度) Senior Year(2028-2029)                 |             |                         |                                 |               |             |
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|                                      | 第一學期<br>First Semester                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   | 學分<br>Credits | 時數<br>Hours                                               | 第二學期<br>Second Semester |   | 學分<br>Credits                             | 時數<br>Hours | 第一學期<br>First Semester |                                          | 學分<br>Credits | 時數<br>Hours | 第二學期<br>Second Semester                                           |   | 學分<br>Credits | 時數<br>Hours                                        | 第一學期<br>First Semester |    | 學分<br>Credits                                        | 時數<br>Hours | 第二學期<br>Second Semester |                                 | 學分<br>Credits | 時數<br>Hours |
| 校訂<br>必修<br>Common<br>Requirement    | 華語閱讀(一)<br>Chinese Reading I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2 | 2             | 華語閱讀(二)<br>Chinese Reading II                             | 2                       | 2 |                                           |             |                        |                                          |               |             |                                                                   |   |               |                                                    |                        |    |                                                      |             |                         |                                 |               |             |
|                                      | 華語會話(一)<br>Chinese Conversation I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2 | 2             | 華語會話(二)<br>Chinese Conversation II                        | 2                       | 2 |                                           |             |                        |                                          |               |             |                                                                   |   |               |                                                    |                        |    |                                                      |             |                         |                                 |               |             |
|                                      | 華語視聽(一)<br>Audio-Visual Chinese I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2 | 2             | 華語視聽(二)<br>Audio-Visual Chinese II                        | 2                       | 2 |                                           |             |                        |                                          |               |             |                                                                   |   |               |                                                    |                        |    |                                                      |             |                         |                                 |               |             |
|                                      | 華語寫作(一)<br>Chinese Writing I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2 | 2             | 華語寫作(二)<br>Chinese Writing II                             | 2                       | 2 |                                           |             |                        |                                          |               |             |                                                                   |   |               |                                                    |                        |    |                                                      |             |                         |                                 |               |             |
|                                      | 華語文檢定輔導(一)<br>TOCFL Preparation I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2 | 2             | 華語文檢定輔導(二)<br>TOCFL Preparation II                        | 2                       | 2 |                                           |             |                        |                                          |               |             |                                                                   |   |               |                                                    |                        |    |                                                      |             |                         |                                 |               |             |
|                                      | 體育<br>Physical Education                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2 | 2             | 華語認證 Test of Chinese as a Foreign Language                | 0                       | 0 |                                           |             |                        |                                          |               |             |                                                                   |   |               |                                                    |                        |    |                                                      |             |                         |                                 |               |             |
|                                      | 學術倫理<br>Academic Ethics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0 | 0             |                                                           |                         |   |                                           |             |                        |                                          |               |             |                                                                   |   |               |                                                    |                        |    |                                                      |             |                         |                                 |               |             |
| 校選<br>必修                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |               |                                                           |                         |   | 科技英文<br>Technical English                 | 2           | 2                      |                                          |               |             |                                                                   |   |               |                                                    |                        |    |                                                      |             |                         |                                 |               |             |
| 專業<br>必修<br>Required<br>Courses      | 網頁設計<br>Design of Web                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3 | 3             | C 程式語言<br>C Programming Language                          | 3                       | 3 | ★校外實習(一)<br>Internship I                  | 6           | 20                     | ★校外實習(二)<br>Internship II                | 6             | 20          | ★校外實習(三)<br>Internship III                                        | 6 | 20            | ▲專題製作(一)<br>Project I                              | 1                      | 1  | ▲專題製作(二)<br>Project II                               | 1           | 1                       |                                 |               |             |
|                                      | Java 程式設計<br>JAVA Programming                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3 | 3             | 資料結構<br>Data Structure                                    | 3                       | 3 | 資料庫實務<br>Database System Practice         | 3           | 3                      | 作業系統實務<br>Operating System Practice      | 3             | 3           | 作業系統<br>Operating System                                          | 3 | 3             |                                                    |                        |    |                                                      |             |                         |                                 |               |             |
|                                      | 資訊技能與實習<br>Computer skills and Practices                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3 | 3             | 物件導向程式設計<br>Object Oriented Programming                   | 3                       | 3 |                                           |             |                        |                                          |               |             |                                                                   |   |               |                                                    |                        |    |                                                      |             |                         |                                 |               |             |
| 專業<br>選修<br>Elective<br>Courses      | 電腦網路技術實習 Computer Network Technology Practice                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3 | 3             | 基本電路實習<br>Basic Circuit Implementation                    | 3                       | 3 | 網頁程式設計<br>Web Programming                 | 3           | 3                      | 網路工程實務<br>Network Engineering Practice   | 3             | 3           | 資訊安全導論 Introduction to Information Security                       | 3 | 3             | ★校外實習(四)<br>Internship IV                          | 6                      | 20 | ★校外實習(五)<br>Internship V                             | 6           | 20                      | ★校外實習(六)<br>Internship VI       | 6             | 20          |
|                                      | 電腦網路與通訊原理<br>Computer Network and Communication                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3 | 3             | 網路架設實務<br>Practice of Internet Infrastructure Certificate | 3                       | 3 | 電子電路與實習<br>Electronic Circuits & Practice | 3           | 3                      | Python 程式設計<br>Python Programming        | 3             | 3           | 車輛網路原理與應用<br>Internet of Vehicles: Principle and its Applications | 3 | 3             | 資訊安全實務<br>Information Security Practice            | 3                      | 3  | 可程式化控制與實習<br>Programmable Logic Control and Practice | 3           | 3                       | 生產與作業管理<br>Operation Management | 3             | 3           |
|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |               | 車用電子電路 Introduction to Automotive Electronics             | 3                       | 3 | 通訊協定<br>Communication Protocol            | 3           | 3                      | 物聯網概論 Introduction to Internet of Things | 3             | 3           | 物聯網應用<br>IoT Application                                          | 3 | 3             | 電機控制實務 Electric Machinery Control Practice         | 3                      | 3  | 數位邏輯與實習<br>Digital Logic and Practice                | 3           | 3                       |                                 |               |             |
|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |               |                                                           |                         |   | 行動終端程式設計 Mobile Terminal Programming      | 3           | 3                      | 網路規劃與管理 Network Planning and Management  | 3             | 3           | 人工智慧<br>Artificial Intelligence                                   | 3 | 3             | 機器學習<br>Machine Learning                           | 3                      | 3  |                                                      |             |                         |                                 |               |             |
|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |               |                                                           |                         |   | 網路工程實務 Network Engineering Practice       | 3           | 3                      | 演算法<br>Algorithm                         | 3             | 3           |                                                                   |   |               | 智慧物聯網應用 Artificial Intelligence of Things Practice | 3                      | 3  |                                                      |             |                         |                                 |               |             |
|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |               |                                                           |                         |   |                                           |             |                        | 網頁資料庫程式設計<br>Web Database Programming    | 3             | 3           |                                                                   |   |               | 大數據分析<br>Big Data Analysis                         | 3                      | 3  |                                                      |             |                         |                                 |               |             |
| 學分<br>規定<br>Min.<br>Total<br>Credits | 1. 最低畢業學分數 Minimum Graduation Credits<br>最低畢業學分數 128 學分。校訂必修 22 學分。院必修 2 學分。系專業必修 47 學分。系專業選修 57 學分。(專業選修課程資訊學院(含所屬各系及本系參與之跨院系學分皆承認) + A total of 128 credits are required for graduation. 22 credits are mandatory university courses, 2 credits are mandatory college courses, 47 credits are mandatory department courses, and 57 credits are elective department courses (including credits from the Information College's professional elective courses, which also recognize credits from affiliated departments and cross-college programs in which this department participates).<br>2. 註記 ★ 為實習課程，說明如下 Courses Marked with ★ Indicate Internship Courses<br>(1) 校外實習(一)、(二)、(三)為必修課程，因故無法參與校外實習或中斷實習者，依「樹德科技大學資訊工程系校外實習要點」與「樹德科技大學資訊工程系新南向產學合作國際專班校外實習施行細則」辦理。<br>Off-campus Internships I, II, and III are mandatory courses. Students who are unable to participate in or who interrupt their internships must follow the "Shu-Te University Department of Computer Science & Information Engineering Off-campus Internship Regulations" and the "Shu-Te University Department of Computer Science & Information Engineering New Southbound Industry-Academia Cooperation International Class Off-campus Internship Implementation Rules".<br>(2) 校外實習(四)、(五)、(六)為選修課程，每學期 6 學分。當學期未選修者，可由「實習替代課程選修科目表」中選擇課程修讀。<br>Internship (IV), (V), (VI) are elective courses, with 6 credits per semester. Students who do not enroll in these courses in the given semester may choose substitute courses from the "Internship Alternative Course List" to take.<br>3. 註記 ▲ 為專題課程 3. Courses Marked with ▲ Indicate Project Courses<br>專題製作(一)、(二)為必修且設有審核機制，依規定須參加專題考試，相關專題修課方式請參閱「樹德科技大學資訊工程系大學部專題製作課程修課要點」。<br>Project Production (I) and (II) are mandatory courses with a blocking mechanism. Students must participate in a project examination. For details on how to take these courses, please refer to the "Shu-Te University Department of Computer Science & Information Engineering Undergraduate Project Production Course Guidelines". |   |               |                                                           |                         |   |                                           |             |                        |                                          |               |             |                                                                   |   |               |                                                    |                        |    |                                                      |             |                         |                                 |               |             |
|                                      | 備註事項 114年4月7日系務會議通過 114年4月18日資訊學院系務會議通過 114年5月21日校務會議通過 114年6月11日校務會議通過<br>Alternative Practical courses for off-campus internships                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |   |               |                                                           |                         |   |                                           |             |                        |                                          |               |             |                                                                   |   |               |                                                    |                        |    |                                                      |             |                         |                                 |               |             |

備註事項 114年4月7日系務會議通過 114年4月18日資訊學院系務會議通過 114年5月21日校務會議通過 114年6月11日校務會議通過

實習替代課程選修科目表 Alternative Practical courses for off-campus internships

| 課程名稱 Courses Name       | Cre<br>dits | hou<br>rs | 實習替代課程 Internship Substitution Courses    | Cre<br>dits | hou<br>rs | 實習替代課程 Internship Substitution Courses | Cre<br>dits | hou<br>rs | 實習替代課程 Internship Substitution Courses  | Cre<br>dits | hou<br>rs |
|-------------------------|-------------|-----------|-------------------------------------------|-------------|-----------|----------------------------------------|-------------|-----------|-----------------------------------------|-------------|-----------|
| ★校外實習(一) Internship I   | 6           | 20        | ▲產業專題製作 I Industry Capstone Project I     | 6           | 6         | ★校外實習(四) Internship IV                 | 6           | 20        | ▲產業專題製作 IV Industry Capstone Project IV | 6           | 6         |
| ★校外實習(二) Internship II  | 6           | 20        | ▲產業專題製作 II Industry Capstone Project II   | 6           | 6         | ★校外實習(五) Internship V                  | 6           | 20        | ▲產業專題製作 V Industry Capstone Project V   | 6           | 6         |
| ★校外實習(三) Internship III | 6           | 20        | ▲產業專題製作 III Industry Capstone Project III | 6           | 6         | ★校外實習(六) Internship VI                 | 6           | 20        | ▲產業專題製作 VI Industry Capstone Project VI | 6           | 6         |

列印日期: 2025/8/14

系所主任:

資訊工程系  
高嘉敏

114.8.14

系所主任:

資訊工程系  
程毓明

114.8.14

系主任:

資訊學院  
陳雪煌

114.8.14