臺北城市科技大學四年制日間部電機工程系課程規劃表(114學年度入學適用)

TPCU four-year Undergraduate Program Day School Department of Electrical Engineering Curriculum Planning(applicable to 114 semester year adimssion)

114年03日13日。113學年度第2學期第2次系揮現發展委員會訂算

114年03月17日-113學年度第2學期第1次院課程發展委員會審議 114年04月08日-113學年度第2學期校課程發展委員會審議

2025-04-08 114 academic year 2nd semester committee of school curriculum 第四學年 2nd semester year 4th semester year 1st semester year 3rd semester year 類別 科目名稱 科目名稱 科目名稱 科目名稱 fall fall category subject name spring subject name spring subject name fall sprina subject name fall spring 學分 時數 學分 時數 學分 時數 時數 學分 時數 學分 時數 學分 時數 學分 時數 credit credit hou credit hour hour credit hou 中文閱讀與寫作 2 2 2 2 hysical education(III) Chinese Reading and Writing 共同外語(一) 共同外語(二)(三) 2 2 2 2 2 2 Common Foreign Language (I) Common Foreign Language(II)(III) 體育(一) 2 2 Physical education (I) 基礎通識 體育(二)-高爾夫 2 2 Physical educationII-Golf basic general 小計 education 4 4 0 0 0 4 4 4 2 2 0 0 0 0 0 4 subtota subtotal subtotal subtotal 類別學分小計 14 category credits subtotal 共同外語課程需修滿6學分‧學生於修課前即可選擇「英語」或「日語」為外語課程 Common foreign language courses require 6 credits. Students can choose "English" or "Japanese" as the foreign language course before taking the course. 選定語言後 · 不可異動 . Once the language is selected, it cannot be changed. 職場禮儀與口語表達 法律與生活 Workplace Etiquette and Oral 2 2 2 2 aw and Life Expression 敞場應用文 2 2 Workplance Applied Chinese 職用通識 社會責任實踐(一)(二) application 0 1 0 1 Social Responsibility Practice (I) (II) general education 小計 小計 小計 0 0 2 3 2 3 0 0 2 2 0 0 0 0 0 0 subtotal subtotal subtotal subtotal 類別學分小計 6 category credits subtotal 「多元通識」由通識教育中心訂定預選課程 類類後列出應選修之人文藝術領域、自然科技領域及社會科學領域三類之應開課程後・毎一領域至多選修4學分・共計8學分之課程。
The General Education Center would offer "Multiple General Education" courses selection for students to choose from. After the advance selection, the General Education center would list courses in the following three categories (domains): Arts and Humanities, Natural Technologies and Social Science. Students e to choose at most 4 credits from each category (domain), with the total of 8 credits.
通識教育中心所公布合院、系、學程所提供之輔助課程·亦可承認為通識遷修課程·唯學生遷修所隸屬之院、系及學程提供之課程·則不予承認。
Supplementary courses provided by various colleges, departments, and programs announced by the General Education Center can also be recognized as general elective courses. However, students taking elective courses provided by the colleges, departments, and programs to which they are affiliated will not be 多元涌識 multiple general - 名人講座」係跨類別選修課程·可抵「多元通識課程」中任一門課(抵2學分)·以一次為限 'Celebrity Lectures" is a cross-category elective course, which can be used as a credit for any course in the "Diversified General Courses" (2 credits), limited to one time education 類別學分小計 category credits subtotal [程通識 職涯講堂 工程產業講座 科技應用 2 2 2 2 2 2 2 2 Application of Science and Technology ngineering General Education Engineering Industry Seminar Occupation Career Lecture 院訂必修 compulsor 小計 小計 小計 2 小計 2 2 2 2 2 2 2 courses subtotal subtotal subtotal subtotal equired by the college 類別學分小計 8 category credits subtotal 電路學 電子學 機器人學 3 3 3 3 3 3 Electric Circuit Electronics Robotics 電子電路設計實務 自動控制實務 機器人程式入門 2 3 2 3 Applications of Automatic Control 3 3 Design and Implementation of Elementary Robot Programs Electronic Circuits System 電機機械實務 可程式控制實務 工業控制實務 2 3 2 3 3 3 Practical of Electric Machinery rogrammable Logic Controlle Programmable Logic Controller [程數學 實務專題(一)(二) AI應用實務 3 2 3 2 3 2 3 3 Al application practice Practical Project(I) (II) ingineering Mathematics **®**腦輔助設計製造 專業必修 電力電子學 電力系統 3 3 3 3 3 3 omputer Aided Design and compulsory Power Electronics Power Systems Manufacturing courses equired by 電腦軟體應用 微處理機實務 工業機器人實務 3 3 2 3 3 3 Practical of Industrial Robotics Computer Software Applications Practical of Microprocessor the college 數位邏輯電路 機電整合實務 數位工廠實務 2 3 3 3 2 3 Digital Logic Circuit Mechatronics Lab Practice of Digital Factory 物聯網設計實務 3 Design of Internet of Things 小計 小計 11 12 8 9 0 0 0 0 7 9 12 9 11 12 13 15 subtotal subtotal subtotal subtotal 類別學分小計 59 category credits subtotal 校外實習(暑一) 校外實習(暑二) 校外實習(暑三) 校外實習(一)(二) 9 3 3 3 9 Off-campus Internship(Summer II) Off-campus Internship(Summer III Off-campus Internship (I)(II) Off-campus Internship(Summer I) 電力電子實務應用 丁業4.0概論 **雷動車概論** 自動化工程概論 3 3 ractical Application of Powe 3 3 3 3 3 ntroduction to Electric Vehicle Introduction of Automation ntroduction to Industry 4 lectronics 通訊概論 巨量資料分析 嵌入式系統 3 3 3 3 3 3 Pneumatic Actuating for Automatic 3 3 ntroduction to Communication **Embedded Systems** Big Data Analysis quipment 半導體設備概論 電氣訊號概論 專利寫作 信號量測與監控 3 3 3 3 3 ntroduction to Semiconductor 3 3 Introduction to Electrical Signal Patent Writing Signal Measurement and Monitoring 工業配電實務 介面設計實務 數位影像處理 感測器原理與應用 3 3 3 3 3 3 3 3 nterface Design Practice ndustrial Distribution Practice Principles and Applications of Sensors Digital Image Processing 切換式電源供應器 機器視覺實務 專業選修 Switching Power Supply Pratice of Machine Vision profession 光電概論 再生能源 I electives 3 3 3 3 Introduction to Optoelectronic enewable Energy 電力品質 3 3 Power Quality 電機控制實務 3 3 Notor Control Training 雷射原理與應用 3 3 The Ories and Applications of Lase 小計 小計 小計 小計 6 6 9 6 6 6 9 6 9 9 12 9 24 15 21 12 subtotal subtotal 類別學分小計 96 category credits subtotal 基礎通識basic general education: 14 職用通識career application general education: 6 ◎本系未開設之課程可至外系選修・並於選課前提出申請・經核准後始得列人畢業專業選修學分・以各系制定專業選修學分為標準・至多可承認二分之一為上限。 多元通識multiple general education: 8 Courses not offered by this department can be taken as electives at external departments, and applications must be submitted before course selection. Only after approval can they be included in the elective redits for graduation majors. The elective credits for majors set by each department shall be used as the standard. At most one-half may be admitted as the upper limit. 本校日間部四年制學生·除依本校學則規定修滿應修之學分外·並應符合相關外語能力、專業實務技能規定之條件使得畢業。 備計 完訂必修compulsory courses required by the college: 8 remark Four-year day school students of our school, in addition to completing the required credits in accordance with the school's academic regulations, must also meet the requirements of relevant foreign language proficiency and professional practical skills in order to graduate. 專業必修required for majors: 59 專業選修Professional electives: 33

畢業最低學分數minimum credits for graduation: 128