

中原大學美國威大密爾瓦基分校電機與資訊工程雙學士學位學程修業辦法

Chung Yuan Christian University and University of Wisconsin-Milwaukee Dual Degree Program in Electrical Engineering and Computer Engineering Academic Regulations

110年7月21日109學年度第2學期第3次教務會議通過

Approved by the 3rd Academic Affairs Meeting of the 2nd Semester of the 109th Academic Year on July 21, 2020

111年7月20日110學年度第2學期第2次教務會議修正

Amended by the 2nd Academic Affairs Meeting of the 2nd Semester of the 110th Academic Year on July 20, 2021

111年9月28日111學年度第1學期第1次教務會議修正

Amended by the 1st Academic Affairs Meeting of the 1st Semester of the 111th Academic Year on September 28, 2022

112年1月18日111學年度第1學期第2次教務會議修正

Amended by the 2nd Academic Affairs Meeting of the 1st Semester of the 111th Academic Year on January 18, 2023

113年1月31日112學年度第1學期第2次教務會議修正

Amended by the 2nd Academic Affairs Meeting of the 1st Semester of the 112th Academic Year on January 31, 2024

第一條 本學程依據中原大學各類學位名稱訂定程序授予要件及代替碩士博士論文認定辦法之規定，訂定本辦法。

Article 1: These regulations are formulated based on the degree conferral requirements of Chung Yuan Christian University and the guidelines for the recognition of a thesis for Master's and Doctoral degrees, as stipulated in the university's rules.

第二條 本學程授予學位之中文、英文名稱如下：

Article 2: The Chinese and English names of the degree program are as follows:

學系(學位學程) 中文、英文全稱 Department (Institution, Degree Programs) Full Title in Chinese and English	授予學位名稱 Awarded Degree Title	
	中文、英文名稱 Chinese / English Title	英文縮寫 English Abbreviation
中原大學美國威大密爾瓦基分校電機與資訊工程雙學士學位學程	工學學士	

Chung Yuan Christian University and University of Wisconsin - Milwaukee Undergraduate Dual Degree Program in Electrical Engineering and Computer Engineering	Bachelor of Science	B.S.
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第三條 本學程應修科目及學分依附表一之規定。

- 一、本學程畢業學分至少為128學分。須完成所有中原大學美國威大密爾瓦基分校電機與資訊工程雙學士學位學程必修課程，並應滿足本學程與美國威斯康辛大學密爾瓦基分校工學院雙方之修業規定與學分要求後才能取得雙方之學位。
- 二、本學程學生至美國威斯康辛大學密爾瓦基分校攻讀雙學位前須通過托福 IBT65、雅思5兩者其中一項英語門檻，若未通過則應於美國威斯康辛大學密爾瓦基分校另外修習語言課程。
- 三、本學程學生至美國威斯康辛大學密爾瓦基分校攻讀雙學位須依美國威斯康辛大學密爾瓦基分校所制定2+2計畫之電資專業修習，所修得之學分，皆得認列為本學程之畢業學分。
- 四、本學程學生至美國威斯康辛大學密爾瓦基分校交換修習後，如有情況特殊者，經學位學程委員會或學位學程主任核可，可修習中原大學課程，並認列為本學程之畢業學分，認列總上限學分為 8學分。

Article 3: The required courses and credits for this program are outlined in Appendix 1.

1. To graduate from this program, students must complete at least 128 credits. Students must complete all required courses for the Dual Degree Program in Electrical Engineering and Computer Engineering with both Chung Yuan Christian University and University of Wisconsin-Milwaukee, and must meet the academic regulations and credit requirements of both institutions before obtaining the dual degrees.
2. Students must pass either TOEFL IBT 65 or IELTS 5 as an English language proficiency requirement before studying for the dual degree at the University of Wisconsin-Milwaukee. If students do not meet the requirement, they must take additional language courses at the University of Wisconsin-Milwaukee.
3. Students will follow the 2+2 program in Electrical Engineering and Computer Engineering at the University of Wisconsin-Milwaukee. Credits earned will be counted towards graduation from this program.
4. Students studying abroad at the University of Wisconsin-Milwaukee may take Chung Yuan Christian University courses, subject to approval by the degree program committee or the program director, with a maximum of 8 credits counting towards graduation from this program.

第四條 本辦法未盡事宜悉依本校學則及相關法令規定辦理。

Article 4: Any matters not covered in these regulations will be handled in accordance with the academic regulations of the university and relevant laws.

第五條 本辦法經教務會議通過後公布施行，修正時亦同。

本辦法自113學年度實施 適用於所有在學學生。

Article 5:

These regulations will be implemented after being approved by the Academic Affairs Meeting and published accordingly. Any amendments will follow the same procedure.

These regulations will be effective from the 113th academic year and will apply to all enrolled students.

中原大學美國威大密爾瓦基分校電機與資訊工程雙學士學位學程

應修科目及學分表

List of Required Courses and Credits for Chung Yuan Christian University and University of Wisconsin-Milwaukee Dual Degree Program in Electrical Engineering and Computer Engineering

(適用 113 學年度入學學生)

(Applied to students enrolled in the 113 academic year)

科目名稱 Subject Title	期程 Semester	學分數 Credits	擋修科目及續修條件 Prerequisites & Conditions for continuation	
			科目名稱 Subject Title	限制 Conditions
微積分(一)	半 Half	4		
計算機概論(一)	半 Half	3		
電機導論	半 Half	3		
普通化學	半 Half	4		
普通化學實驗	半 Half	1		
技術寫作	半 Half	3		
電資導論	半 Half	1		
微積分(二)	半 Half	4		
普通物理(一)	半 Half	3		
普通物理實驗(一)	半 Half	1		
環境藝術	半 Half	3		
計算機概論(二)	半 Half	3		
西洋弦樂器演奏賞析	半 Half	3		
工程數學(一)	半 Half	3		

學系必
修科目

微積分(三)	半 Half	4		
普通物理(二)	半 Half	3		
普通物理實驗(二)	半 Half	1		
電路學(一)	半 Half	3		
電子學(一)	半 Half	4		
全球化大議題	半 Half	3		
微處理機實驗	半 Half	4		
電路學(二)	半 Half	4		
訊號與系統	半 Half	3		
機率與統計	半 Half	3		
企業倫理與社會責任	半 Half	3		
合計 Total		74		

畢業學分結構表
Credits for Graduation

畢業應修最低學分數 Minimum Required credits for Graduation	128	基本知能科目 Core Competencies Course		
性質 Types of Courses	學分數 Credits	科目名稱 Subject Name	性質 Types	學分數 Credits
1、基本知能 Core Competencies	0	環境服務學習(二學期) Environmental service learning	半	0
2、通識基礎必修 Basic Required Courses in General Education	0	大一體育(一)(二) 及體育(二科) Physical Education (I) (II) for freshman and two PE courses for Sophomore students	半	0
3、學系必修 Compulsory Courses of the Department	74			
4、學系選修 Elective Courses of the Department	54			

5、通識延伸選修 Extensive Elective Courses in General Education	0				
6、自由選修 Elective Courses	0				
		通識基礎必修科目 Basic Required Courses in General Education			
		天 The Creator	宗教哲學 Philosophy of Religion	半 Half	-
			人生哲學 Philosophy of Life	半 Half	-
		人 Human ity	台灣政治與民主 Taiwan Politics and Democracy	半（6 擇 1） 多修無法列入通識學分，亦不得抵認通識延伸課程學分。 Half (choose 1 from 6)	-
			法律與現代生活 Law and Modern Life		
			當代人權議題與挑戰 Contemporary Human Rights Issues and Challenges		
			生活社會學 Sociology of Everyday Life		
			全球化大議題 Big Issues of Globalization		
			經濟學的世界 The World of Economics		
			區域文明史 History of Regional Civilizations		
文化思想史 History of Cultures and Thoughts	Half (choose 1 from 2) Credits obtained from taking extra courses will not be considered towards general education	-			

		credits and will not be used to fulfill the requirements of Extensive Elective General Education Courses	
物 The Entire Creatio n	運算思維與程式設計 Computational Thinking and Programming	半 Half	-
	自然科學與人工智慧導論 Introduction to Natural Science and Artificial Intelligence	半 Half	-
我 The Individ ual Self	文學經典閱讀 Chinese Literature Classics	半 Half	-
	語文與修辭 Literacy and Rhetoric	半	-
合計 Total			0

說明 Explanation :

一、全校性規定：

1. 自 103 學年度起中五生應加修通識課程 6 學分及專業課程 6 學分。
2. 須於畢業前曾修 2 門全英語專業課程。【不含英文(一)、(二)、英語聽講(一)、(二)、實用英文(一)、(二)、商學院商業英語會話(一)、(二)、英語檢定技巧(應外系學生除外)】。
3. 有關修課，成績等相關規定請參考學則。

1. University-wide Regulations:

- i. Starting from the 103rd academic year, students in the fifth year must take an additional 6 credits of general education courses and 6 credits of professional courses.
- ii. Students must complete two full English-language professional courses before graduation. (Excluding English (I), (II), English Listening and Speaking (I), (II), Practical English (I), (II), Business English Conversation (I), (II) in the Business School, and English Proficiency Test Techniques (except for students from the Department of Applied Foreign Languages).)
- iii. For regulations regarding courses, grades, and related matters, please refer to the university's academic regulations.

二、學系畢業規定：

1. 本學程畢業學分至少為 128 學分。須完成所有中原大學美國威斯康辛大學密爾瓦基分校電機與資訊工程雙學士學位學程必修課程，並應滿足本學程與美國威斯康辛大學密爾瓦基分校工學院雙方之修業規定與學分要求後才能取得雙方之學位。
2. 本學程學生至美國威斯康辛大學密爾瓦基分校攻讀雙學位前須通過托福 IBT65、雅思 5 兩者其中一項英語門檻，若未通過則應於美國威斯康辛大學密爾瓦基分校另外修習語言課程。
3. 本學程學生至美國威斯康辛大學密爾瓦基分校攻讀雙學位須依美國威斯康辛大學密爾瓦基分校所制定 2+2 計畫之電資專業修習，所修得之學分，皆得認列為本學程之畢業學分。
4. 本學程學生 至美國威斯康辛大學密爾瓦基分校交換修習後，如有情況特殊者，經學位學程委員會或學位學程主任核可，可修習中原大學課程，並認列為本學程之畢業學分，認列總上限學分為 8 學分。

2. Department Graduation Requirements:

- i. The minimum number of credits required for graduation from this program is 128 credits. Students must complete all required courses for the Chung Yuan Christian University and University of Wisconsin-Milwaukee dual bachelor's degree program in Electrical and Computer Engineering and meet both universities' academic and credit requirements in order to receive degrees from both institutions.
- ii. Students must pass one of the English proficiency tests, either TOEFL IBT 65 or IELTS 5, before studying at the University of Wisconsin-Milwaukee for the dual degree program. If they do not meet the requirement, they must take additional language courses at the University of Wisconsin-Milwaukee.
- iii. Students pursuing the dual degree at the University of Wisconsin-Milwaukee must follow the university's 2+2 program in Electrical and Computer Engineering. The credits earned in this program will be recognized as part of the graduation requirements for this program.
- iv. After participating in an exchange program at the University of Wisconsin-Milwaukee, students may be allowed to take courses at Chung Yuan Christian University and have them counted toward their graduation credits, provided the Degree Program Committee or Program Director approves. The maximum number of credits that can be recognized is 8 credits.

經 113 年 7 月 04 日 11222 校級課程委員會通過。

Approved by the University-level Curriculum Committee on July 4, 113.

經 113 年 7 月 17 日 11222 教務會議通過。

Approved by the Academic Affairs Meeting on July 17, 113.