中 國 文 化 大 學

半導體暨 AI 科技國際學士學位學程

Chinese Culture University

Bachelor Program of Semiconductor and AI Technology, College of Natural Science and Engineering

Student Handbook

學生手冊

2026 September

Chapter 1 –Program Courses

Required Courses

中國文化大學 理工學院 半導體暨AI科技國際學士學位學程 必修科目表

115學年度起入學新生實施

必修類別	科目名稱	規定學分	一年級		二年級		三年級		四年級		備註
			上	下	上	下	上	下	上	下	
通識科目	校本課程	2	1					1			
	國文	4	2	2							
	外文：閱讀與聽講（一）	3	1.5	1.5							三選一
	外文：閱讀與聽講（二）	3			1.5	1.5					
	跨域專長	0									免修
	人文學科領域	4	2	2	2	2					
	社會科學領域	4									
共同科目	體育	0	0	0	0	0					
通識及共同必修學分合計		**20**	**6.5**	**5.5**	**3.5**	**3.5**		**1**			
院必	(N246)人工智慧應用與規劃實務	3	3								三選一
	(N247)淨零排放與綠色科技	3	3								
	(N248)前瞻科技	3		3							
專業必修科目	(2026)普通物理學	6	3	3							
	(2019)普通化學	6	3	3							
	(2021)微積分	6	3	3							院核心
	(7261)計算機概論	3		3							
	(6731)程式設計	3			3						
	(N344)高分子有機材料	3			3						
	(4615)電子學	3			3						
	(2516)電漿物理	3				3					
	(7272)人工智慧	3				3					
	(D760)光電概論	3					3				
	(8235)半導體製程與技術	3						3			
	(6658)半導體工程	3						3			
	(H658)微機電系統	3						3			
	(4901)多媒體系統	3					3				
	(7893)資料庫系統	3					3				
	(A506)圖樣辨識	3						3			
專業必修學分合計		60	9-12	12-15	9	6	9	12			
必修學分總計		80	15.5-18.5	17.5-20.5	12.5	9.5	9	13			
最低畢業學分數		128學分									

其他修業規定：

全球競爭力檢定	通過全球競爭力檢定，依本校「學士班學生全球競爭力檢定實施辦法」辦理，詳細資訊請參考教務組網頁。https://reg.pccu.edu.tw/
倫理課程	參與「職業倫理」、「中華文化專題」，依本校「職業倫理教育實施要點」及「中華文化專題講座實施要點」辦理，詳細資訊請參考綜合業務組網頁。https://cur.pccu.edu.tw/
全人學習護照	參與全人學習護照各項學習活動達認證標準，依本校「全人學習護照實施辦法」辦理，詳細資訊請參考課外活動組網頁。https://activity.pccu.edu.tw/

Chinese Culture University, Required Courses List,
Bachelor Program of Semiconductor and AI Technology, College of Natural Science and Engineering

Effective for Students Enrolled in and from the 2026 Academic Year

Categories for Compulsory Courses	Course Title	Credit Hours	1st Year		2nd Year		3rd Year		4th Year		Remark
			1st semester (Sep)	2nd semester (Feb)	1st semester (Sep)	2nd semester (Feb)	1st semester (Sep)	2nd semester (Feb)	1st semester (Sep)	2nd semester (Feb)	
Required Courses											
General Required Courses	SCHOOL—BASED CURRICULUM	2	1					1			
	CHINESE	4	2	2							
	FOREIGN LANGUAGE READING AND CONVERSATION(1)	3	1.5	1.5							Choose 1 of 3 Courses
	FOREIGN LANGUAGE READING AND CONVERSATION(2)	3			1.5	1.5					
	INTERDISCIPLINARY PROGRAM	0			0	0					N/A
	ART AND HUMANITIES	4	2	2	2	2					
	SOCIAL SCIENCES	4									
Common Courses	PHYSICAL EDUCATION	0	0	0	0	0					
Total General and Common Courses		**20**	**6.5**	**5.5**	**3.5**	**3.5**		**1**			
Required Courses by College	(N246) ARTIFICIAL INTELLIGENCE APPLICATIONS AND PLANNING PRACTICE	3	3								Choose 1 of 3
	(N247) NET ZERO EMISSIONS AND GREEN TECHNOLOGIES	3	3								
	(N248) EMERGING TECHNOLOGIES	3		3							
Required Courses by Department	(2026) GENERAL PHYSICS	6	3	3							
	(2019) GENERAL CHEMISTRY	6	3	3							
	(2021) CALCULUS	6	3	3							Core Courses
	(7261) INTRODUCTION TO COMPUTER SYSTEMS	3		3							
	(6731) PROGRAMMING	3			3						
	(N344) ORGANIC MACROMOLECULAR MATERIALS	3			3						
	(4615) ELECTRONICS	3			3						
	(2516) PLASMA PHYSICS	3				3					
	(7272) ARTIFICIAL INTELLIGENCE	3				3					
	(D760) INTRODUCTION TO OPTOELECTRONIC	3					3				
	(8235) SEMICONDUCTOR MANUFACTURING TECHNOLOGY	3						3			
	(6658) SEMICONDUCTOR ENGINEERING	3						3			
	(H658) MICRO-ELECTRO-MECHANICAL SYSTEM	3						3			
	(4901) MULTIMEDIA SYSTEMS	3					3				
	(7893) DATABASE SYSTEMS	3					3				
	(A506) PATTERN RECOGNITION	3						3			
Total Credits of Required Subjects		60	9-12	12-15	9	6	9	12			
Total Required Credits		80	15.5-18.5	17.5-20.5	12.5	9.5	9	13			

Categories for Compulsory Courses	Course Title	Credit Hours	1st Year		2nd Year		3rd Year		4th Year		Remark
			1st semester (Sep)	2nd semester (Feb)	1st semester (Sep)	2nd semester (Feb)	1st semester (Sep)	2nd semester (Feb)	1st semester (Sep)	2nd semester (Feb)	
Graduate Credits		128									
Other provisions of graduate requirements：											
Global competitiveness	Passing the "Implementation Measures for the Global Competitiveness Assessment of University Students" is mandatory for graduation. Visit the website of the Registration Section for more information.										
Professional Ethics/ Special Topics in Chinese Culture	According to the university's 'Implementation Guidelines for Professional Ethics Education' and 'Implementation Guidelines for Chinese Culture Topics Lectures,' students are required to participate in two-semester courses: 'Professional Ethics' and 'Chinese Culture Topics.' For detailed information, please refer to the website of the Curriculum Section: https://cur.pccu.edu.tw/										
Whole Person Learning Passport	To fulfill the Whole Person Learning Passport requirements, students must actively participate in various learning activities. These activities are organized in accordance with our university's guidelines for the Whole Person Learning Passport. For more detailed information, please visit the website of the Extracurricular Activities Section at https://activity.pccu.edu.tw/."										

Chapter 2- Graduation

Years of Enrollment

According to CCU regulation of academic programs, the duration of the bachelor program of study range is 4 years, for master's programs is 1-4 years, and for doctoral programs is 2-7 years, except for the undergraduate program of the Department of Architecture and Urban Design, the duration of study range is 5 academic years.

依據本校學則規定，除建築及都市設計學系學士班修業年限為五年外，其餘各學士班修業年限均為四年，碩士班修業年限為一至四年、博士班修業年限為二至七年。

Graduation Requirements

1. Students are required to achieve TOEIC score of 450:

英文能力檢定測驗成績對照表

English Proficiency Test Comparison Table

CEFR 語言能力參考指標	多益測驗 (TOEIC)	托福(TOFEL) ITP 紙筆測驗	托福(TOFEL) CBT 電腦測驗	托福(TOFEL) IBT 線上測驗	雅思測驗 (IELTS)	外語能力測驗 (FLPT) 三項比試總分	外語能力測驗 (FLPT) 口試	全民英檢 (GEPT)	大學校院英語能力測驗 (CSEPT) 第一級	大學校院英語能力測驗 (CSEPT) 第二級	劍橋五級國際英語認證 (Cambridge English)	劍橋領思職場英語/劍橋領思實用英語 (Linguaskill)	劍橋博思國際職場英檢 (BULATS)
A2(基礎級) Waystage	450	450	133	47	3.5 級	195	S-2	中級 (初試)	130-169	120-179	Preliminary English Test (PET)	133	30
A2(基礎級) Waystage	500	451	135	54	3.5 級	195	S-2	中級 (初試)	130-169	120-179	Preliminary English Test (PET)	136	35
B1(進階級) Threshold	550	457	137	57	4 級以上	195	S-2	中級 (複試)	170-240	180-239	Preliminary English Test (PET)	140	40
B1(進階級) Threshold	590	500	173	61	4.5 級	195	S-2	中級 (複試)	170-240	180-239	Preliminary English Test (PET)	143	45
B1(進階級) Threshold	640	520	190	68	5 級	240	S-2+	中級 (複試)	170-240	180-239	First Certificate in English (FCE)	147	50
B2(高階級) Vantage	700	527	197	79	5.5 級	240	S-2+	中高級	---	204-360	First Certificate in English (FCE)	152	53
B2(高階級) Vantage	750 以上	527 以上	197 以上	79 以上	5.5 級以上	240	S-2+	中高級	---	204-360	First Certificate in English (FCE)	157	60 以上
C1(流利級) Effective Operational Proficiency	880 以上	560 以上	220 以上	83 以上	6.5 級以上	315	S-3 以上	高級	---	---	Certificate in Advanced English (CAE)	171	75 以上

1. 抵免語實課程
   Waive English Lab Course

2. 免修外文：英文閱讀與聽講(一)、(二)
   ENGLISH READING AND CONVERSATION (1)&(2) Exemption ---- *No credits

2. Holistic Education Points 全人學習點數:

陸港澳、僑生、台生都必須完成全人學習護照點數(共 5 個項目，各 18 點)。

Mainland Chinese, Hong Kong, Macau, overseas Chinese, and Taiwanese students are required to complete the points for the Whole Person Education (5 items, 18 points for each).

Item	德(De)	智(Zhi)	體(Ti)	群(Chun)	美(Mei)
Required points	18	18	18	18	18

For more detailed information, please refer to the following website:

https://pass.pccu.edu.tw/p/412-1307-6830.php?Lang=zh-tw

● 【Freshman English Course】

"English Reading and Conversation (1)" and "English Reading and Conversation (2)" are required courses for ALL students. If students fail these courses, please retake **Level A** English course in/from the 2nd academic year.

「英文閱讀與聽講(一)」及「英文閱讀與聽講(二)」為一年級及二年級校必修學年課(上下學期都要修)。成績未通過者請於二年級加選同等級「**Level A**」課程以完成重補修。

*If students achieve TOEIC score of 750 (or equivalent English proficiency certificate), they may apply for a course exemption. **No credits will be granted for the exempted courses, so students must take additional elective courses to make up the required credits.** *

*如多益達 750 分以上(或同等級之英語檢定考試)，可申請外文領域課程免修，申請免修無學分，請另行以選修課補足學分。

● If students miss the deadline of 1st period of course selection, please remember to select the course during the 2nd period.

若學生錯過第一階段選課期間，請記得於第二階段辦理選課。

● Except for special cases approved by the university for manual add/drop during the third stage, all course registration must be completed online during the registration period. If you are not in Taiwan, please register online or ask a classmate to assist you if manual registration is required. BEING OUTSIDE TAIWAN IS NOT A VALID REASON FOR NOT REGISTERING FOR COURSES.。

除學校規定的特殊情形可以在第三階段採取人工加退選，其餘選課只能在線上選課期間辦理。就算選課期間本人不在台灣，也請盡量務必線上選課，或請同學代理(無法線上加選需要人工特殊的狀況)，**「人不在台灣」並非無法選課的理由。**

★ 【PE Class】

- Students are required to complete total 4 semesters PE classes before graduation (1 year for Freshman PE and 1 year interested PE class)
- Freshman: Can ONLY take—PPE1 Sport(1) and (2) taught in English.
- Sophomore students or above: Students should select interested PE class by themselves.
  - **The 2nd period of course selection**
    (1) Please select the 2nd PE class on the system by yourself.
    (2) Select at most 2 PE class in each semester. For example, 1 Freshman PE + 1 interested PE class

C. Full-Year Course

★ Please take 1st semester course (Fall semester) first, then take 2nd semester course (Spring semester), or it cannot be accounted as your graduation credits. If you ONLY take or fail one semester of Full-Year course, this course will not be able to admit any graduation credits.
請先修習第一學期(上學期)課程，再修習第二學期(下學期)課程，否則不予以計入畢業學分數。 若只修習或其中一學期之學年課程成績不及格，該學年課將不予以計入任何畢業學分數。

Chapter 3- School Office Services

Academic Affairs Office			
No.	**Department**	**Location**	**Services you may need**
1.	Registrar Section 教務組	Da-En 10F 大恩 10 樓	1. Academic records applications (transcripts, student ID cards, certificate) 2. Change personal information 3. Course selection 4. Graduation
2.	Curriculum Section 綜合組	Da- En 10F 大恩 10 樓	1. Midterm and final exam Affairs 2. Summer courses selection 3. Classroom management
Student Affairs Office			
No.	**Department**	**Location**	**Services you may need**
1.	Student Counseling Section 生輔組	Da- En 2F 大恩 2 樓	1. Dormitory application and allocation 2. Student Disciplinary Business 3. Student bus ticket application, lost and found
2.	Hygiene Section 衛保組	Da- En 2F 大恩 2 樓	1. Health care service 2. Clinic 3. Emergency treatment of injury 4. Student insurance
General Affairs Office			
No.	**Units**	**Location**	**Services you may need**
1.	Clerical Section 事務組	Da- En 11F 大恩 11 樓	1. Venue rental 2. Campus security 3. Traffic management 4. Environmental protection
2.	Cashier Section 出納組	Da- En 11F 大恩 11 樓	1. Student receivables 2. Tuition, part-time wage and refund
Printing Room			
No.	**Units**	**Location**	**Opening Hours**
1.	Computer classroom 電腦教室	Da- Yi Rm. 412 大義 412 室	Mon.-Fri. 8:30 AM - 9:30 PM *Undergraduate students will get 100 points every semester to print the document. Print in color- 5 points Print in black and white - 1 points
2.	Digital Learning Center 數位學習中心	Below the stairs opposite the Post Office	Mon- Fri: 8:30AM - 9:30 PM

		郵局對面的樓梯下	
3.	Library: Xiao-Feng Memorial Hall 曉峰紀念館	Library 2F, 6F 曉峰紀念館 2F，6F	Mon - Fri: 8:30 AM – 8:00 PM (2F) / 9:00 PM (6F) Sat: 8:30 AM – 4:00 PM (2F)/ 4:30 PM (6F)
Office of International and Mainland China Affairs			
No.	**Units**	**Location**	**Services you may need**
1.	International Office	Da- En 3F Rm. 301 大恩 3 樓 301 室	1. Exchange Students and Dual Degree Programs 2. International Student Scholarships 3. International Student Services A. Alien Resident Certificate (ARC) B. Work Permit C. Chinese Language Courses D. Insurance for International Students E. International Student Advising and Support