

# 「人工智慧技術應用」國際學分學程選修辦法<sup>(79)</sup>

## (The International Program in Application of Artificial Intelligence Technology)

114.6.17 資工系課程委員會通過

114.9.4 院課程委員會通過

114.10.08 教務會議通過

- 一、為因應人工智慧技術與應用的快速發展，並隨著發展人工智慧已成為國際趨勢，且為高科技產業核心領域與學術研究重點之一，依據本校學分學程設置辦法設立「人工智慧技術應用國際學分學程」（以下簡稱本學程），旨在培育人工智慧領域的專業人才，本校學生皆可選修本學程。
- 二、本校學生依本辦法規定修得學程內課程 15 學分以上(含)者，至少包含 2 門基礎課程及 3 門進階課程。即為修完本學程，在成績單上將加註「修畢人工智慧技術應用國際學分學程」並頒發學分學程證明書。
- 三、本學程之課程規定如下：

類別	課程名稱	課號	學分數	備註
基礎課程	資料科學導論	CE6143	3	至少選修 2 門
	人工智慧	CE6020	3	
	資料科學	CO6063	3	
	Python 教育資料探勘實作	NL7045	3	
	資訊工程概論	CE2013	3	
	機器學習	CE6102	3	
進階課程	電腦視覺原理及應用簡介	CE3060	3	至少選修 3 門
	深度學習介紹	CE6146	3	
	AI 代理系統之設計與開發	CE8014	3	
	自然語言處理	CE7024	3	
	社群媒體探勘	CE7066	3	
	貝氏資料分析介紹	CE6139	3	
	資訊安全與隱私概論	CE6168	3	

- 四、本辦法經學程設置單位及院課程委員會議審議通過，再提送校課程委員會及教務會議通過後實施，修正時亦同。

# Regulations for The International Program in Application of Artificial Intelligence Technology (79)

Approved by the Department of Computer Science & Information Engineering Curriculum Committee on November 11, 2025

Approved by the College of Electrical Engineering & Computer Science on November 13, 2025

Approved by the University Curriculum Committee on December. 3, 2025

Approved at the NCU Academic Affairs Meeting on December 17, 2025

- Advanced studies in Artificial Intelligence (AI) are among the most exciting directions for student learning and academic research today. The College of Electrical Engineering and Computer Science (EECS) offers a specialized program that brings together outstanding courses in AI, Machine Learning, and Data Mining to cultivate students interested in AI research and related careers.

The program in Artificial Intelligence aims to develop students' professional skills and research capabilities in the field of AI. All students enrolled in the university are eligible to apply for this program.

- Requirements: To complete the program, students must successfully earn at least 5 course units, including at least 2 courses from the Fundamental Courses category and at least 3 courses from the Advanced Courses category. Students who satisfy these requirements will receive an official certificate issued by the university.
- Program Structure and Course Requirements are as follows.

Type	Course Name	Course No.	Units	Note
Fundamental Courses	Introduction to Data Science	CE6143	3	Select at least two courses
	Artificial Intelligence	CE6020	3	
	Data Science	CO6063	3	
	Educational Data Mining Using Python	NL7045	3	
	Introduction to Computer Science and Information Engineering	CE2013	3	
	Machine Learning	CE6102	3	
Advanced Courses	Introduction to Computer Vision and Its Applications	CE3060	3	Select at least three courses
	Introduction to Deep Learning	CE6146	3	
	Agentic AI: Foundations and Development	CE8014	3	
	Natural Language Processing	CE7024	3	
	Social Media Mining	CE7066	3	
	Introduction to Bayesian Data Analysis	CE6139	3	
	Introduction to Information Security and Privacy	CE6168	3	

- These regulations shall be implemented upon approval by the Program Committee and the College Curriculum Committee, followed by ratification by the University Curriculum Committee and the Academic Affairs Meeting. Any future amendments shall follow the same procedure.