

Department of Mathematics and Information Education

Micro-credit Course for Big Data in Education

Curriculum Structure & Course Title

This curriculum is effective from the Second Semester of the 2024-2025 Academic Year

Course title	科目名稱	Required/ Elective	Credits	Grade	Remark
Introduction to Artificial Intelligence Educational Applications	人工智慧教育應用概論	Elective	2	ALL	General Education Course
Introduction to Data Science Educational Applications	資料科學教育應用概論	Elective	2	ALL	General Education Course
<u>Basic Programming for Artificial Intelligence</u>	<u>人工智慧基礎程式設計</u>	<u>Elective</u>	<u>2</u>	<u>ALL</u>	<u>General Education Course</u>
Data Science Programming	資料科學程式設計	Required	3	2-1	Basic Course There is no limit to the department and grade
Application of Artificial Intelligence in Education	人工智慧在教育的應用	Elective	2	1-2	Basic Course There is no limit to the department and grade
Application of Data Science in Education	資料科學在教育的應用	Elective	2	2-2	Basic Course There is no limit to the department and grade
Big Data Analytics Tools & Software	大數據分析套裝軟體	Elective	2	2-2	Basic Course There is no limit to the department and grade
Information Technology Topics and Practice	資訊科技專題與實務	Elective	2	3-1	Advanced Course There is no limit to the department and grade
Special Project and Practice in Artificial Intelligence Education	人工智慧教育專題與實務	Elective	2	3-1	Advanced Course There is no limit to the department and grade
Inquiry and Practice in STEAM Education	STEAM 專題探究	Elective	2	3-2	Advanced Course There is no limit to the department and grade

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Special Project and Practice in Learning Analytics	學習分析專題與實務	Elective	2	3-2	Advanced Course There is no limit to the department and grade
Artificial Intelligence Industry Internship and Thematic Practice	人工智慧產業實習與專案實務	Required	3	4-1	Practical Course There is no limit to the department and grade
Required 6 credits, Elective 4 credits, Total 10 credits					