亞洲大學人工智慧學系學士班課程規劃表（114 學年度入學適用）

Undergraduate Curriculum Plan for Department of Artificial Intelligence, Asia University

(Applicable for Fall 2025 Enrollees)

畢業總學分：128 學分　　校課程委員會通過次別：

Credits of Graduation：128　　Approved in the 1133 University Curriculum Committee meeting

類別 Category		科目名稱 Course Title		英文名稱 English Title	修課年級 Year of the Program	修課學期 Semester	學分數 Credits	每週上課時數 Hours per week			備註 Remarks
								講授 Lecture	實作(驗) Practice (laboratory)	實習 Intern	
校定必修 30 學分 (30) University Required Credits	基礎通識 20 學分 (20) Program Required Credits	中文領域 Chinese Category (4 學分) (4 Credits)	中文鑑賞與思辨	Chinese Appreciation and Critical Thinking	一 1st	上 1st	2	2	0	0	
			中文表達與應用	Chinese Expression and Application	一 1st	下 2nd	2	2	0	0	
		英文領域 English Category (8 學分) (8 Credits)	學術英語文(一)	English for Academic Purposes (1)	一 1st	上 1st	2	2	0	0	
			學術英語文(二)	English for Academic Purposes (2)	一 1st	下 2nd	2	2	0	0	
			專業英語文(一):醫護英文	English for Specific Purposes(1): English for Medical and Nursing Purposes	二 2nd	上 1st	2	2	0	0	醫學暨健康學院 College of Medical and Health Sciences 護理學院 College of Nursing
			專業英語文(二):醫護英文	English for Specific Purposes(2): English for Medical and Nursing Purposes	二 2nd	下 2nd	2	2	0	0	
			專業英語文(一):科技英文	English for Specific Purposes(1): English for Science and Technology	二 2nd	上 1st	2	2	0	0	資訊電機學院 College of Information and Electrical Engineering
			專業英語文(二):科技英文	English for Specific Purposes(2): English for Science and Technology	二 2nd	下 2nd	2	2	0	0	
			專業英語文(一):商管英文	English for Specific Purposes(1): Business English	二 2nd	上 1st	2	2	0	0	管理學院 College of Management
			專業英語文(二):商管英文	English for Specific Purposes(2): Business English	二 2nd	下 2nd	2	2	0	0	
			專業英語文(一):設計英文	English for Specific Purposes(1): English for Creative Design	二 2nd	上 1st	2	2	0	0	創意設計學院 College of Creative Design
			專業英語文(二):設計英文	English for Specific Purposes(2): English for Creative Design	二 2nd	下 2nd	2	2	0	0	
			專業英語文(一):社科簡報英文	English for Specific Purposes(1): English for Presentation for Social Sciences	二 2nd	上 1st	2	2	0	0	人文社會學院 College of Humanities and Social Sciences
			專業英語文(二):社科簡報英文	English for Specific Purposes(2): English for Presentation for Social Sciences	二 2nd	下 2nd	2	2	0	0	
		程式領域 Information Category (2 學分) (4 Credits)	資訊與科技	Information and Technology	一 1st	上、下 1st、2nd	2	2	0	0	
		歷史領域 History Category (2 學分) (2 Credits)	歷史與文化	History and Culture	一 1st	上、下 1st、2nd	2	2	0	0	
		藝術領域 Esthetics Category (2 學分) (2 Credits)	設計思考與創新	Design Thinking and Innovation	一 1st	上、下 1st、2nd	2	2	0	0	(二選一) Choose 1 out of 2
			美學素養	Esthetics Accomplishment							
		永續領域 Sustainable Category (2 學分) (2 Credits)	永續發展與實踐	Sustainable Development and Practice	一 1st	上、下 1st、2nd	2	2	0	0	

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							講授 Lecture	實作(驗) Practice (laboratory)	實習 Intern	
	博雅通識8~10學分 (8~10) Program Elective Credits	博雅課程 (人文類、社會類、自然類、生活類)	General Required (Core) Courses (Categories: Humanities, Society, Nature, Life)	一~四 1st ~4th	上、下 1st, 2nd	8~10	8~10	0	0	1. 博雅課程分為四類： (1)人文類-1 (2)社會類-2 (3)自然類-3 (4)生活類-4 General Required (Core) Courses are divided into 4 categories: (1) Humanities, (2) Society, (3) Nature, and (4) Life. 2. 每一類至少須選修2學分(共四類 8 學分)，另外 2 學分可採下列方式修習。 (1)選修他系探索課程。 (2)在博雅四類中任選一類修習。 (3)修習通識微學分課程，或通識認可之自主學習課程認抵之。 Students are required to complete a minimum of 2 credits of course from each category (8 credits in total for 4 categories). The other 2 credits can be obtained through the following options: (1) Take exploratory courses of other departments. (2) Take any one of the 4 categories of general required (core) courses. (3) Waiver the credits by taking general microcredit course, or self-learning course approved by Center for General Education
	探索0~2學分 (0~2) Exploratory Credits	跨系探索課程	Exploratory Courses of Other Departments	一~四 1st ~4th	上、下 1st, 2nd	0~2	0~2	0	0	1. 不修此類課程者，博雅通識課程需修滿10學分。 Students who do not take such courses are required to complete 10 credits of general liberal arts courses. 2. 選修此類課程者，至多 2 學分，博雅通識課程需修滿8學分。 Students who take such courses are required to complete a maximum of 2 credits of the courses and 8 credits of general liberal arts courses.
	體育 Physical Program	體育(一)~(四)	Physical Education (1)~(4)	一~二 1st~2nd	上、下 1st, 2nd	0	2	0	0	
涵養教育 Cultivation Education	通識講座 General Lectures (Required)	通識涵養教育 (健康、關懷、創新、卓越)	General Literacy Series (Domains of Literacy: Healthy, Care, Innovation, Excellence)	一~四 1st ~4th	上、下 1st, 2nd	0	0	0	0	1. 在學期間，學生可自由參與校內任何通識認證活動，不限場次。至少參與8次。 Students are required to participate in at least 8 campus activities approved by the Center for General Education. 2. 每一素養至少達到2次：健康2次、關懷2次、創新2次、卓越2次。 Students are required to attend at least 2 lectures from the 4 domains of Literacy: Healthy, Care, Innovation, Excellence. 3. 畢業前須完成上述2項。 Student must complete the above for graduation.

類別 Category	科目名稱 Course Title	英文名稱 English Title	修課年級 Year of the Program	修課學期 Semester	學分數 Credits	每週上課時數 Hours per week			備註 Remarks
						講授 Lecture	實作(驗) Practice (laboratory)	實習 Intern	
院核心課程 8 學分 (8) College Core Courses	基礎程式設計	Fundamental Computer Programming	一 1st	上 1st	3	3	0	0	
	人工智慧與雲端應用	Artificial Intelligence and Cloud Applications	二 2nd	下 2nd	3	3	0	0	
	★畢業專題(一)	Graduation Projects (I)	三 3rd	下 2nd	1	0	0	0	同意專案役男於二下修讀 UMSA can study in 2nd Gr. 2nd Sem.
	★畢業專題(二)	Graduation Projects (II)	四 4th	上 1st	1	0	0	0	同意專案役男於三上修讀 UMSA can study in 3rd Gr.1st Sem.
系核心課程 36 學分 (36) Departmental Core Courses	人工智慧導論	Introduction to Artificial Intelligence	一 1st	上 1st	3	3	0	0	
	智慧商務導論	Introduction to Intelligent Business	一 1st	上 1st	3	3	0	0	
	運算思維與問題解決	Computational Thinking and Problem Solving	一 1st	下 2nd	3	3	0	0	
	計算機網路概論	Introduction to Computer Networks	一 1st	下 2nd	3	3	0	0	
	資訊數學	Information Mathematics	一 1st	下 2nd	3	3	0	0	
	人工智慧程式語言	Programming for AI	二 2nd	上 1st	3	3	0	0	
	離散數學	Discrete Mathematics	二 2nd	上 1st	3	3	0	0	
	資料庫概論	Fundamentals of Database	二 2nd	上 1st	3	3	0	0	
	機率與統計	Probability and Statistics	二 2nd	下 2nd	3	3	0	0	
	機器學習與深度學習	Machine Learning and Deep Learning	二 2nd	下 2nd	3	3	0	0	
	資料探勘	Data Mining	三 3rd	上 1st	3	3	0	0	
	網路安全	Cyber Security	三 3rd	下 2nd	3	3	0	0	
系專業選修學程 21 學分 (21) Department Professional Program 智慧應用學程 Program of intelligent applications	數位影像處理	Image Processing	二 2nd	上 1st	3	3	0	0	實務型 Practical Courses
	智慧學習科技	Introduction to Smart Learning Technology	二 2nd	上 1st	3	3	0	0	實務型 Practical Courses
	智慧 3D 建模	Smart 3D Modeling	二 2nd	下 2nd	3	3	0	0	實務型 Practical Courses
	虛擬與擴增實境	Virtual Reality and Augmented Reality	三 3rd	上 1st	3	3	0	0	實務型 Practical Courses
	遊戲程式設計	Video Game Programming	三 3rd	下 2nd	3	3	0	0	實務型 Practical Courses
	★人工智慧實務	Artificial Intelligence Practice	四 4th	上 1st	3	3	0	0	實務型 Practical Courses
	★智慧物聯網	Artificial Intelligence of Things	四 4th	下 2nd	3	3	0	0	實務型 Practical Courses
資料科學學程 Program of data science	數位轉型	Digital Transformation	二 2nd	上 1st	3	3	0	0	學術型 Academic Courses
	數據分析	Data Analysis	二 2nd	下 2nd	3	3	0	0	實務型 Practical Courses
	行動軟體設計	Mobile Software Programming	三 3rd	上 1st	3	3	0	0	實務型 Practical Courses
	企業資源規劃	Enterprise Resource Planning	三 3rd	下 2nd	3	3	0	0	實務型 Practical Courses
	★資料視覺化	Data Visualization	四 4th	上 1st	3	3	0	0	實務型 Practical Courses
	★供應鏈管理	Supply Chain Management	四 4th	上 1st	3	3	0	0	實務型 Practical Courses
	★網路行銷與大數據	Internet Marketing and Big Data	四 4th	下 2nd	3	3	0	0	實務型 Practical Courses
m e nt	★資訊倫理與法律	Information Ethic and Law	一 1st	下 2nd	3	3	0	0	同意專案役男於一~三年

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						講授 Lecture	實作(驗) Practice (laboratory)	實習 Intern	
	★人工智慧醫療應用	AI Medical Applications	二 2nd	上 1st	3	3	0	0	級修讀 UMSA can study in 1st ~3rd Grade.
	★數位教材設計與製作	Design and Production of Digital Teaching Materials	二 2nd	下 2nd	3	3	0	0	
	★數位健康與遠距醫療應用	Digital health and telemedicine applications	二 2nd	下 2nd	3	3	0	0	
	★智慧科技與永續生活	Smart Technology and Sustainable Life	三 3rd	上 1st	3	3	0	0	
	★網站系統建置與規劃	Website Building and Planning	三 3rd	上 1st	3	3	0	0	
	★生成式 AI 原理與實務	Generative AI Principles and Practice	三 3rd	下 2nd	3	3	0	0	
	★系統分析與設計	Systems Analysis and Design	三 3rd	下 2nd	3	3	0	0	
	★軟體測試	Software Testing	四 4th	上 1st	3	3	0	0	
	★人機互動設計	Human-Machine Interaction Design	四 4th	下 2nd	3	3	0	0	
分流實習課程 Internship Program	★企業實習(一) (7+1 分流)	Enterprise Internship (I)	四 4th	下 2nd	2	0	0	詳見備註 See remarks for details	同意專案役男於三上修讀 UMSA can study in 3rd Gr.1st Sem. 1. 每 1 實習學分以不低於 60 小時、不超過 80 小時為原則。 Each internship credit shall be based on a minimum of 60 hours and a maximum of 80 hours. 2. 每學期以不超過 9 學分「不超過 720 小時」為限。 The total number of credits per semester shall not exceed 9, with a maximum of 720 hours. 3. 實習學分列入畢業學分以不超過 18 學分「不超過 1440 小時」為原則。 Internship credits counted toward graduation requirements shall be limited to a maximum of 18 credits, not exceeding 1,440 hours in total.
	★企業實習(二) (7+1 分流)	Enterprise Internship (II)	四 4th	下 2nd	2	0	0	詳見備註 See remarks for details	
跨系人工智慧應用學程 15 學分 (15) Interdepartmental Specialization Program··Applied Artificial Intelligence	人工智慧導論	Introduction to Artificial Intelligence	一 1st	上 1st	3	3	0	0	他系學生修得 15 學分者，即核給該學程之專長 Students who complete 15 credits will be awarded the specialization program.
	數位轉型	Digital Transformation	二 2nd	上 1st	3	3	0	0	
	機器學習與深度學習	Machine Learning and Deep Learning	二 2nd	下 2ndt	3	3	0	0	
	數據分析	Data Analysis	二 2nd	下 2nd	3	3	0	0	
	智慧物聯網	Artificial Intelligence of Things	三 3rd	上 1d	3	3	0	0	

註一：學生含通識課程應修畢 128 學分，需修習「校定必修」30 學分，「院核心課程」8 學分，本系「系核心課程」33 學分、本系一個主修「專業學程」及另一個跨系「專長學程」或「跨領域學程」或取得「次專長」，始能畢業，不足畢業學分

數，請從本系另一非主修「專業學程」或自由選修中修習學分補足之。

Note 1: Students must complete a total of 128 credits, including general education courses, to graduate. This includes 30 credits of "University Required Courses," 8 credits of "College Core Courses," 33 credits of "Department Core Courses," one major "Specialization Program" from this department, and one "Interdepartmental Specialization Program". Any remaining credits required for graduation should be completed through taking courses from another non-major "Specialization Program" within this department or taking elective courses.

註二：針對本系核心學程、專業選修學程及院核心課程第一次修課需在本系上課，不得至非本系修課，如違反規定者必須自行擔負學分不被承認可能結果。第二次修課由學生填寫課程學分認定申請單並經系主任同意，使可跨學制、學系修習課程（其餘請詳閱本校課程學分認定申請單之注意事項）。

Note 2: For the department's core courses, specialized elective courses, and college core courses, students must take these courses within the department for the first attempt. Taking these courses in another department is not allowed. If this rule is violated, students must bear the risk of their credits not being recognized. For the second attempt, students must submit a "Credit Recognition Application Form" and obtain approval from the department chair before they can take courses from other departments or academic programs. (Please refer to the instructions on the "Credit Recognition Application Form" of Asia University for details.)"

註三：全校跨領域學程網頁介紹，請參考 https://ac.asia.edu.tw/zh_tw/跨域學習。

Note 3: For information about the "Interdepartmental Specialization Program", please refer to the following website "https://ac.asia.edu.tw/zh_tw/跨域學習".

註四：★符號表示：同意學生就學期間申請專案服役者(簡稱專案役男)該課程彈修讀，修讀方式已加註於備註欄(包含修讀學年期)。

Note 4: The ★ symbol indicates that for students who have applied for special military service during their studies, the course can be taken flexibly. Details about the flexible study options, including the academic year and term, are noted in the remarks section.

系所主管簽章：　　學院院長簽章：