

National Taiwan Normal University

Regulations on Enrolling in the Program of Technologies and Applications of Artificial Intelligence

Adopted by the first Academic Affairs Meeting in the school year 2018 on October 31, 2018

- I. To cultivate information technology professionals in all fields, National Taiwan Normal University (hereinafter, the “University”) establish the Program of Technologies and Applications of Artificial Intelligence (hereinafter, the “Program”) in accordance with the University’s Inter-disciplinary Program Establishment Regulations. The Program is coordinated by the Department of Computer Science and Information Engineering.
- II. Students of the University who are not graduating within the school year may enroll in the Program.
- III. The Program requires at least 12 credits. Please refer to the Curriculum of the Program of Technologies and Applications of Artificial Intelligence for details about the courses.
- IV. Students who have enrolled and passed courses identical or similar to the courses of the Program may apply for course recognition.
- V. The Program adopts the method of post-recognition. Students who complete the courses and credits required by the Program may prepare an application and transcript of past years for review by the Department of Computer Science and Information Engineering, and then apply to Academic Affairs Office for issuance of the program certificate.
- VI. Students who extended graduation in Bachelor’s program and graduate program students shall pay credit fees in accordance with the University’s relevant rules when enrolling in this Program.
- VII. Students who fail to complete the required courses and credits of the Program within the enrolled period may continue and complete the Program if they are enrolled in the graduate programs at the University.
- VIII. Matters not detailed in the Guidelines will be handled in accordance with relevant laws and regulations.
- IX. The *Regulations* will be implemented after being adopted by the Academic Affairs Meeting. The same applies to any amendments.

National Taiwan Normal University

Curriculum of the Program of Technologies and Applications of Artificial Intelligence

Adopted by the first Academic Affairs Meeting in school year 2018 on October 31, 2018

Item	Course Name		Remarks	
Pre-requisites	Computational Thinking and Programming (2 credits)		Students who enroll in the Program shall have basic knowledge about information. Those who do not have such knowledge shall enroll in this course first.	
Item	Course Name		Credits	Remarks
Programming Courses	Computer Programming (I) (3 credits), Computer Programming (II) (3 credits) Other courses related to programming may be recognized, for example: C/C++ Programming, Python Programming, Java Programming, R Programming		3-6	
Application Courses	Machine Learning (3 credits) Artificial Intelligence (3 credits)	Choose at least one course	3-6	
	Image Processing (3 credits) Speech Processing (3 credits) Natural Language Processing (3 credits) Multimedia System Design (3 credits) Special Topics on Computer Science (I) : Information Theories (3 credits) Special Topics on Computer Science (II) : Information Theories (3 credits)		0-6	Credits of “Special Topics on Computer Science” will be recognized only if the student completed both (I) and (II).
Total			12	

Remark: Those who plan to enroll in Image Processing are recommended to take mathematics related courses such as Linear Algebra.