Course Structure for M.A. Program
Graduate Institute of AI Interdisciplinary Applied Technology
National Taiwan Normal University

Adaptive to Class of	Required Credit(s)	Elective Credit(s)	Free Elective Credit(s)	Minimum Total Credits for Graduation
112	3.0	15.0	6.0	24.0

Note: The first alphabet "E" on the course name refers to the course in English as a medium of instruction

I. Required Courses: 3.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
C0C8001	1 E Seminar	1.0	0.0	2.0	This course must be retaken with a passing score for 3 times

II. Elective Courses: 15.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
AIC8001	1 E Computer Vision	3.0	3.0	0.0	
AIC8002	2 Digital Still Camera Design	3.0	3.0	0.0	
CSC0001	3 Data Mining	3.0	3.0	0.0	
CSC0012	4 Speech Processing	3.0	3.0	0.0	
CSC0015	5 Advanced Computer Architectures	3.0	3.0	0.0	
CSC0023	6 Natural Language Processing	3.0	3.0	0.0	
CSC0039	7 Machine Learning	3.0	3.0	0.0	
CSC0049	8 Advanced Computer Graphics	3.0	3.0	0.0	
CSC0072	9 Information Security	3.0	3.0	0.0	
CSC9004	10 Introduction to Internet of Things	3.0	3.0	0.0	
CSC9005	11 E Data Visualization	3.0	3.0	0.0	
AEC8018	12 E Machine Learning	3.0	3.0	0.0	
AEC8058	13 E Deep Learning	3.0	3.0	0.0	
AEC8059	14 E Reinforcement Learning	3.0	3.0	0.0	
AIC8003	15 Advanced Image Processing	3.0	3.0	0.0	
AIC8004	16 Artificial Neural Network	3.0	3.0	0.0	
AIC8005	17 Parallel Computing	3.0	3.0	0.0	
AIC8010	18 E Evolutionary Computation	3.0	3.0	0.0	
AIC8009	19 DSP Architecture Design	3.0	3.0	0.0	

III. Free Elective Credits: 6.0 credits are required