Curriculum planning for the 112th grade master class of the Department of Information Engineering, Chunghwa University

Sorting (credits/hour)	First grade		second grade	
Compulsory (0/2)	Seminar	Seminar	Seminar Thesis Seminar	Seminar Thesis Seminar
Elective (3/3)	Advanced Linear Algebra Control System and Mobile Communication of UAV * Digital Signal Processing Advanced Probability and Statistics Advanced Computer Algorithms Wireless Networks Image Processing Electronic Commerce Artificial Intelligence Fuzzy Theory Neural Networks Cryptography Object-oriented Software Engineering Computer Graphics Cloud Security Technical Reading and Writing in English Machine Learning	Multimedia Systems Database Administration Video Processing Pattern Recognition Color Engineering Parallel Processing Embedded System Big Data Analysis and Applications Deep Learning	Network Security Digital Audio Signal Processing Evolutionary Computation Expert Systems Computer vision Wireless Sensor Networks Data Mining Deep Learning Project	Optimization Theory Speech Recognition Special Topics on Artificial Intelligence Concrete Mathematics Multimedia Information Retrieval Internet of Things -Therory and Implementation Digital Learning

Graduation credits: 24 credits (including four-semester book discussion and two-semester thesis guidance and research) are eligible for graduation. For other regulations, please refer to the regulations for postgraduate studies. Note:
1. The bold bottom line represents the basic courses; the bold italics represent the core courses;
2. Practical courses, marked with *.
3. Elective courses should be opened according to the actual situation of the semester.