

Department of Information Management and Finance
Graduate Program of Finance
Academic Requirements for Master Students
Academic year 2026

Minimum Period of Study	One year
Minimum Graduation Credits	<u>Financial Engineering / Financial Decision</u>: 38 credits (excluding preliminary courses) <u>Data Science</u>: 31 credits (including 2 credits of “Independent study”; excluding preliminary courses)
Prerequisite Courses and Core Courses	◆ Preliminary courses: ❖ <u>Major in Financial Engineering / Financial Decision</u>: Economics, Accounting, and Statistics, 3 credits for each subject (Students may apply to exempt the courses or change to other courses according to their transcriptions of university level or above, or certificates of other programs at the same level.) ❖ <u>Major in Data Science</u>: Data Structure, Programming, Economics, and Statistics (or Probability), 3 credits for each subject (Students may apply to exempt the courses or change to other courses according to their transcriptions of university level or above, or certificates of other programs at the same level.) ◆ <u>Common Core Courses for All Majors (2 credits)</u>: Theory and Practice in Finance (1 credit), Thesis (1 credit) ◆ <u>Required/Elective Courses for Each Major</u>: <u>A. Financial Engineering (36 credits)</u>: 1. <u>Required Courses (21 credits)</u> Financial Management (3 credit), Investment (3 credit), Futures and Options (3 credit), Financial Econometrics (3 credit), Financial Institutions and Markets (3 credit), Financial Mathematics (3 credit), Theory of Derivatives (3 credit) 2. <u>Elective Courses (15 credits)</u> ➤ At most 6 credits of the courses related to financial field offered by other departments or graduate institutes can be adopted. ➤ For graduation credits counted permission, students need to hand out the application form before the course registration due date of the semester. ➤ Courses offered by the part-time master program cannot count for graduation credits. <u>B. Financial Decision (36 credits)</u>: 1. <u>Required Courses (24 credits)</u> Financial Management (3 credit), Investment (3 credit), Futures and Options (3 credit), Financial Econometrics (3 credit), Financial Institutions and Markets (3 credit), Financial Statement Analysis (3 credit), Multinational Financial Management (3 credit), Corporate Finance (3 credit) 2. <u>Elective Courses (12 credits)</u> ➤ At most 6 credits of the courses related to financial field offered by other departments or graduate institutes can be adopted. ➤ For graduation credits counted permission, students need to hand out the application form before the course registration due date of the semester. ➤ Courses offered by the part-time master program cannot count for graduation credits.

Prerequisite Courses and Core Courses	<u>C. Data Science (29 credits):</u> 1. <u>Financial field courses (9 credits)</u>: at least 3 Financial field courses out of courses offered by our department. 2. <u>Information field courses (12 credits)</u>: at least 4 information field courses out of courses offered by our department. Or following courses related to information field offered by University System of Taiwan (UST) (will be regarded as the courses offered by our department): (1) Machine Learning, (2) Deep Learning, (3) Data Mining, (4) Cyber Security. Or courses related to information field approved by advisors (need to hand out the application form before the course registration due date of the semester.). 3. <u>Independent Study (2 credits)</u>: Compulsory for the first and second semesters of the first grade, 1 credit for each semester. 4. <u>Elective Courses (6 credits)</u> ➤ At most 6 credits of the courses related to financial field offered by other departments or graduate institutes can be adopted. ➤ For graduation credits counted permission, students need to hand out the application form before the course registration due date of the semester. ➤ Courses offered by the part-time master program cannot count for graduation credits.
Notes	1. Overseas Chinese students, Mainland China students, and foreign students must complete the major selection after received admission notice to 2 weeks before the start of the first semester. 2. Group A and Group B can be transferred to each other, but Group A or B cannot be transferred to Group C; Group C cannot be transferred to Group A or B.

*The Regulations were drawn up in Chinese and translated into English. In the event of any discrepancy between the two versions, the original Chinese version shall prevail.