

Curriculum for MS Program in Accounting and Information Technology



Master program students must complete the following three requirements, including at least 35 graduate-level credits before graduation:

- (1) Prerequisite Courses (undergraduate level)
- (2) Required Core Courses 20 credits (graduate level)
- (3) Professional Elective Courses 15 credits (graduate level)

Prerequisite Requirements (Students who have completed similar courses can apply for waiver by providing transcript and course syllabus.)

● **Accounting Field**

- Accounting (I) (3 credits, undergraduate)
- Accounting (II) (3 credits, undergraduate)
- Intermediate Accounting (I) (3 credits, undergraduate)
- Auditing (I) (3 credits, undergraduate)

● **Information Technology Field** (At least two courses from the following five courses)

- Applications and Design of Business Software (3 credits, undergraduate)
- Introduction to Programming in Python (3 credits, undergraduate)
- Database Management (3 credits, undergraduate)
- Enterprise Resource Planning (3 credits, undergraduate)
- System Analysis and Design (3 credits, undergraduate)

Required Core Courses 23 credits

20 credits

- Advanced Financial Accounting Theory (3 credits)
- Advanced Management Accounting (3 credits)
- Text Mining in Business Application (3 credits)
- Database Management (3 credits)
- Seminar in Accounting Information Systems (3 credits)
- Risk Management and Computer Audit (3 credits)
- Seminar in Accounting and Information Technology (I) (1 credit)
- Seminar in Accounting and Information Technology (II) (1 credit)

3 credits (choose ONLY ONE course from the following two courses)

- Econometrics (3 credits)
- Research Method (3 credits)

Professional Elective Courses 12 credits

[In general, only elective graduate-level courses offered by our department (excluding professional compulsory courses) can be accepted for this requirement, and at least two courses from the information technology field.]

Accounting and Statistics Field

- Corporate Governance (3 credits)
- Introduction to Financial Technology (3 credits)
- Investment Analysis: Theory and Practice (3 credits)
- Statistical Data Analysis and Application (3 credits)
- Seminar in Sustainability Accounting and Taxation Practice (3 credits)

Information Technology Field

- Introduction to Artificial Intelligence (3 credits)
- Enterprise Resource Planning (3 credits)
- Information Management and Strategy (3 credits)

*** All master students must meet the following requirements to graduate:**

- I. Foreign Language Proficiency: English proficiency must meet at least one of the following requirements:
- (1) TOEIC/ 750 or higher
 - (2) GEPT/ High-Intermediate Level or better
 - (3) IELTS/ 5.5 or higher
 - (4) TOEFL iBT 72 or higher
 - (5) Completing at least four English courses offered by various departments (including degree programs) of the University, all with a score of 70 or above, and may not be counted as elective course credits.
- 【Notes】 Only those English Proficiency tests taken within the four-year window before graduation are accepted.**
- II. Master Program students must visit the online platform "Center for Taiwan Academic Research Ethics Education": <http://ethics.nctu.edu.tw/> and complete at least 6 hours of academic ethics education courses and obtain a course certificate before graduation.