INSTITUTE OF INFORMATION MANAGEMENT

MASTER PROGRAM

To get the degree students have to meet all requirements below:

- **Prerequisite requirement:** at least six courses

  Students will be required to pass the prerequisite courses during their undergraduate period, or students have to take the undergraduate courses proved in our school to fulfill the prerequisite requirement.

Management (at least one course)	**Quantitative Methods** (at least one course)	**Information Technology** (All four courses are required)
1. Human Resource Management 2. Production and Operation Management 3. Marketing Management 4. Quality Management 5. Financial Management 6. Management 7. Resource and Development Management	1. Statistics 2. Operation Research 3. Probability 4. Linear Algebra	1. Information Management system 2. Database Management 3. Business Communication Network 4. System Analysis and Design

Note:
- (1) The prerequisite courses must be completed before graduation.
- (2) The prerequisite courses can be taken from other departments.
- (3) The prerequisite courses do not count as part of the credits required for graduation.
- (4) The prerequisite course may be waived for students who have completed the similar courses in undergraduate study for more than 1 semester (3 credits) with an average mark of 60 or above.

- **English Proficiency Verification Prior to Graduation**
  Students should take at least one full English course. Otherwise, they shall pass one of the following English proficiency tests.

  - o First stage of high-intermediate level of GEPT
  - o CBT-TOEFL 193/ Paper-based TOEFL 523
  - o IELTS 5.0.
  - o TOEIC 700

- **Thesis**

Students are required to complete a thesis which is related to Information Management, and the thesis has to be student's independent research.

- **Minimum credits required for graduation: 30 credits**
  Including core courses: 12 credit hours; elective courses: 12 credit hours; Seminar:6 credit hours.

  ➢ **Core courses**: at least 4 courses. And core courses are not allowed to take for other departments.

Technology (at least two courses)	Management (at least two course)
1. Applications of Artificial Neural Networks 2. Artificial Intelligence 3. Data Mining 4. Machine Learning 5. ***Network Management** (full English course)* 6. Advanced Database Management 7. Network Security 8. ***Mobile Networking and Applications** (full English course)*	1. Introduction to E-Business Strategy 2. Business Intelligence and Decision Support Systems 3. ***Electronic Commerce** (full English course)* 4. Multivariate Analysis 5. ***Structural Equation Models** (full English course)* 6. ***Cognitive and Organizational Ergonomics** (full English course)* 7. ***Information Technology and Innovation** (full English course)*

  ➢ **Seminar is required for four semesters.**
  For Seminars 1 and 2: 1 credit hour each; for Seminars 3 and 4: 2 credit hours each. And students are not allowed to take Seminars from other departments.

  ➢ **Elective courses:** 12 credit hours
  For elective courses, students can take courses inside or outside the department. If students take more than four courses from the core course, that will automatically become the elective courses. Or students can take the courses from other department as the elective course, but each semester at most two courses (6 credit hours), and at most three courses (9 credit hours) can be admitted.