

DEPARTMENT OF INDUSTRIAL AND INFORMATION MANAGEMENT

MASTER PROGRAM

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

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

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

Management (at least two courses)	Quantitative Methods (at least two courses)	Information Technology (at least one course)
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. Introduction of Computer Science 2. Computer Programming and Application

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 have to take at least one full English course. Otherwise, they shall pass one of the following English proficiency tests.

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

- **Thesis**

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

- **Minimum credits required for graduation: 30 credit hours**

Including core courses: 12 credit hours; elective courses: 12 credit hours; Seminar:6 credit hours.

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

Management Technology (at least two courses)	Decision Analysis (at least two courses)
<ol style="list-style-type: none"> 1. Experimental Design 2. Project Management 3. Supply Chain Management (full English course) 4. Reliability Management (full English course) 5. Optimization Models and Applications (full English course) 6. Advanced Production and Operations Management 7. Sustainable Operations Management (full English course) 8. Strategic Management 	<ol style="list-style-type: none"> 1. Stochastic Processes 2. System Simulation 3. Mathematic Programming (full English course) 4. Strategic Game Theory (full English course) 5. Managerial Decision Analysis (full English course) 6. Applied Physical Ergonomics (full English course) 7. Quality Engineering (full English course) 8. Dynamic Programming (full English course)

- **Seminar for four semesters:** 6 credit hours

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.