

## Doctoral Program in Management Science & Engineering

### 1. Introduction

Management Science and Engineering is one of the major disciplines of Nanjing University of Science & Technology (NUST), and offers both master and doctoral programs, and has a postdoctoral research center.

### 2. Research Directions

- (1) Quality management & quality engineering
- (2) Manufacturing operations & supply chain management
- (3) Information systems & knowledge management
- (4) Management evaluation & decision analysis

### 3. Duration of studies

Full time PhD students are expected to complete their studies and earn their degrees in 4 to 8 years, and they will be disqualified from the program after 8 years.

### 4. Credits requirements

Students are required to complete at least 20 degree credits from courses in Section 5 with a minimum of 18 coursework credits and 2 obligatory courses.

### 5. Curriculum

Course No.	Course Name	Semester	Credits
<b><i>I. Fundamental Courses</i></b>			<b>4</b>
L371A002	Chinese	Fall	2
L371A003	Introduction to Chinese Classics	Fall	2
<b><i>II. Core Courses</i></b>			<b>8+</b>
L107B008	Management Science & Systems Engineering	Fall	3
L107B009	Advanced Statistical Methods	Fall	3
L107B010	Game Theory	Spring	3
L107B011	Optimization Theory & Methods	Spring	3
<b><i>III. Major Electives</i></b>			<b>6+</b>
L107C005	Quality Management Research Topics	Fall	2
L107C006	Operations Management Research Topics	Fall	2
L107C007	Information Management Research Topics	Fall	2
L107C008	Evaluation & Decision Research Topics	Spring	2
L107C009	Economic Theory Research Topics	Spring	2
L107C010	Business Management Research Topics	Spring	2
<b><i>IV. Thesis Credits</i></b>			
L0000003	Dissertation Proposal II	Fall	<b>2</b>
L0000004	Academic Activities II	Spring	
<b>Total Credits Required</b>			<b>20+</b>
NOTE: Graduate students are usually expected to meet the course requirements in the first academic year, including: I. Fundamental Courses, II. Core Courses, and sufficient elective			

## **6. PhD Dissertation Topic and Research Proposal**

PhD dissertation proposal should be no less than 10000 words long and has at least 80 references, half of which must be published in the recent 5 years. A PhD student should choose a research topic for the PhD dissertation and spend no less than 2 years on the dissertation research and writing, all under an advisor's guidance.

Detailed regulations and requirements on PhD dissertation are documented in the "*NJUST Regulations about the Topic Selection, Research Proposal and Composition of Postgraduate Theses and Dissertations*". The PhD dissertation research proposal writing and defense should be completed in no later than the second academic year of the program.

## **7. Publication**

To meet the degree requirements, a PhD student is required to have a certain number of academic publications related to the dissertation research. Detailed requirements are documented in "*NUST regulations on a postgraduate's publications of their research work*".

## **8. PhD Dissertation Requirements**

Detailed regulations and requirements on PhD dissertation are documented in the "*NJUST Regulations about the Topic Selection, Research Proposal and Composition of Postgraduate Theses and Dissertations*", and "*NUST Style Sheet for Theses and Dissertations*". For a joint effort with others, or a follow-up of previous work, the student should clearly specify his/her contribution to the thesis.