

## Course Requirements

### □ Master's Program

#### 1) Standard Master's Degree

General Course	Major Course		Research	Total
	Mandatory	Elective		
3 and 1AU	9	30 or more	3 or more	45

A. Graduation Credits : at least 45 credits

B. Mandatory General Course : 3 credits and 1AU

- Select one course from the following (CC500 Science Writing English, CC510 Introduction to Computer Application, CC511 Probability and Statistics, CC512 Introduction to Materials Science and Engineering, CC513 Engineering Economics and Cost Analysis, CC522 Introduction to Instruments)
- CC010 Special Lecture on Leadership (non-credit, this applies to students entering KAIST in 2002 and onward; general scholarship students and foreign students are excluded)
- CC020 Ethics and Safety I(1AU)

C. Mandatory Major Course : 9 credits

- ITM501 Introduction to Innovation Management: Theory & Practice
- ITM502 Entrepreneurship, ITM503 Managerial Economics

D. Elective Course : at least 30 credits

- Technology field : at least 6 credits
- Management field : at least 6 credits
- Integration field : at least 3 credits

E. Research Credits : at least 3 credits

- 3 credits of this research course can be earned by internship program with at least 2 months in duration.

#### 2) Master's Degree with Thesis

General Course	Major Course		Research	Total
	Mandatory	Elective		
3 and 1AU	9	27 or more	6 or more	45

A. Graduation Credits : at least 45 credits

B. Mandatory General Course : 3 credits and 1AU

- Select one course from the following (CC500 Science Writing English, CC510 Introduction to Computer Application, CC511 Probability and Statistics, CC512 Introduction to Materials Science and Engineering, CC513 Engineering Economics and Cost Analysis, CC522 Introduction to Instruments)
- CC010 Special Lecture on Leadership (non-credit, this applies to students entering KAIST in 2002 and onward; general scholarship students and foreign students are excluded)
- CC020 Ethics and Safety I (1AU)

- C. Mandatory Major Course : 9 credits
  - ITM501 Introduction to Innovation Management : Theory & Practice  
ITM502 Entrepreneurship, ITM503 Managerial Economics
- D. Elective Course : at least 27 credits
  - Research Methodology field : at least 3 credits
  - Technology field : at least 6 credits
  - Management field : at least 6 credits
  - Advanced Elective & Integration field : at least 3 credits
- E. Research Credits : at least 6 credits
  - Take at least 6 credits including thesis and individual study
  - 3 credits of this research course can be earned by internship program with at least 2 months in duration.

□ **Doctoral Program**

General Course	Major Course		Research	Total
	Mandatory	Elective		
3 and 1AU	9	24 or more	30 or more	69

- A. Graduation Credits : at least 69 credits
  - B. Mandatory General Course : 3 credits and 1AU
    - Select one course from the following (CC500 Science Writing English, CC510 Introduction to Computer Application, CC511 Probability and Statistics, CC512 Introduction to Materials Science and Engineering, CC513 Engineering Economics and Cost Analysis, CC522 Introduction to Instruments)
    - CC010 Special Lecture on Leadership (non-credit, this applies to students entering KAIST in 2002 and onward; general scholarship students and foreign students are excluded)
    - CC020 Ethics and Safety I (1AU)
  - C. Mandatory Major Course : 9 credits
    - ITM501 Introduction to Innovation Management: Theory & Practice  
ITM502 Entrepreneurship, ITM503 Managerial Economics
  - D. Elective Course : at least 27 credits
    - Research Methodology field : at least 6 credits
    - Technology field : at least 3 credits
    - Management field : at least 6 credits
    - Advanced elective & Integration field : at least 9 credits
  - E. Research Credits : at least 30 credits
    - Take at least 30 credits including thesis and individual study
    - 3 credits of this research course can be earned by internship program with at least 2 months in duration.
- ※ The course credits earned in the Master's course work can be used towards meeting the Doctoral degree course requirements (except research credits).