

**Major Course Completion Requirements for
Graduate School of Innovation and Technology Management
(For Master's Program)**

Thesis Master's Degree Program

Please check the common graduation requirements.

- **Credit Requirement for Graduation:** Required to complete a total of more than 42 credits

- **Mandatory General Courses:** At least 3 credits and 1AU
 - Select one course from the following: CC500 Scientific Writing, CC510 Introduction to Computer Application, CC511 Probability and Statistics, CC512 Introduction to Materials & Engineering, CC513 Engineering Economy and Cost Analysis, CC522 Introduction to Instruments, CC531 Patent Analysis and Invention Disclosure

- **Mandatory Major Courses:** At least 9 credits (*to be earned during the first and second semesters)
 - ITM501 Introduction to Innovation Management : Theory & Practice, ITM502 Entrepreneurship, ITM503 Managerial Economics

- **Elective Courses:** At least 21 credits
 - Technology field: At least 6 credits (If students who entered KAIST in 2012 or earlier wish, upon applying for their graduation, courses of ITM669, ITM670, ITM671, and ITM672 may be recognized as courses in Technology field.)
 - Management field: At least 6 credits
 - Advanced Elective & Integration field: At least 3 credits
 - Research Methodology field: At least 3 credits

- **Research Courses:** At least 9 credits
 - 9 credits for thesis research
 - 3 credits out of the research credits can be earned through internship program of at least 2 months in duration.

- **Others (Applicable to both master's and doctoral programs)**

- Students who want to have credits earned at another college (graduate school) recognized as credits for mandatory major courses are required to take elective courses corresponding to the credits so recognized.
- Meet at least one of the following requirements: IBT TOEFL 83, PBT TOEFL 560, CBT TOEFL 220, TOEIC 720, TEPS 599, or IELTS 6.5 points.

Transitional Measures

- These requirements shall apply to students entering KAIST in 2016 or later. However, students who entered KAIST in 2015 or earlier shall meet either the previous requirements or the amended requirements.

Coursework Master's Degree Program

Please check the common graduation requirements.

- **Credit Requirement for Graduation:** Required to complete a total of more than 45 credits
- **Mandatory General Courses:** At least 3 credits and 1AU
 - Select one course from the following: CC500 Scientific Writing, CC510 Introduction to Computer Application, CC511 Probability and Statistics, CC512 Introduction to Materials & Engineering, CC513 Engineering Economy and Cost Analysis, CC522 Introduction to Instruments, CC531 Patent Analysis and Invention Disclosure
- **Mandatory Major Courses:** At least 9 credits (*to be earned during the first and second semesters)
 - ITM501 Introduction to Innovation Management : Theory & Practice, ITM502 Entrepreneurship, ITM503 Managerial Economics
- **Elective Courses:** At least 27 credits
 - Technology field: At least 6 credits (If students who entered KAIST in 2012 or earlier wish, upon applying for their graduation, courses of ITM669, ITM670, ITM671, and ITM672 may be recognized as courses in Technology field.)
 - Management field: At least 6 credits
 - Integration field: At least 3 credits

■ **Research Courses:** At least 6 credits

- 6 credits for individual research
- 3 credits out of the research credits can be earned through internship program of at least 2 months in duration.

■ **Others (Applicable to both master's and doctoral programs)**

- Students who want to have credits earned at another college (graduate school) recognized as credits for mandatory major courses are required to take elective courses corresponding to the credits so recognized.
- Meet at least one of the following requirements: IBT TOEFL 83, PBT TOEFL 560, CBT TOEFL 220, TOEIC 720, TEPS 599, or IELTS 6.5 points.

□ **Transitional Measures**

- These requirements shall apply to students entering KAIST in 2016 or later. However, students who entered KAIST in 2015 or earlier shall meet either the previous requirements or the amended requirements.
- If students who entered KAIST before the spring semester of 2010 meet the previous requirements for the coursework master's degree (including those before the elective course field was altered), the courses in the Integration field shall include the courses in the Advanced Elective field.

Major Course Completion Requirements for Graduate School of Innovation and Technology Management (For Doctoral Program)

Please check the common graduation requirements.

- **Credit Requirement for Graduation:** Required to complete a total of more than 69 credits

- **Mandatory General Courses:** At least 3 credits and 1AU
 - Select one course from the following: CC500 Scientific Writing, CC510 Introduction to Computer Application, CC511 Probability and Statistics, CC512 Introduction to Materials & Engineering, CC513 Engineering Economy and Cost Analysis, CC522 Introduction to Instruments, CC531 Patent Analysis and Invention Disclosure

- **Mandatory Major Courses:** At least 9 credits (*to be earned during the first and second semesters)
 - ITM501 Introduction to Innovation Management : Theory & Practice, ITM502 Entrepreneurship, ITM503 Managerial Economics

- **Elective Courses:** At least 27 credits
 - Technology field: At least 3 credits
 - Management field: At least 6 credits
 - Research Methodology field: At least 6 credits
 - Advanced Elective & Integration field: At least 9 credits

 - ※ Subjects Recognized as Advanced Elective Courses

Subject No.	Subject Name	Subject No.	Subject Name
MSB613	Network Economics	MSB736	Advanced Quantitative Marketing
MSB615	Game Theory with Applications	MSB813	Telecommunications Economics
MSB630	Managerial Accounting	MSB830	Research on Performance Management
MSB644	Supply Chain Innovation	MSB835	Advanced Technology Innovation and Financial Management
MSB650	Information and Telecommunications Management	MSB836	Marketing science seminar
MSB704	Advanced Microeconomics Analysis	MSB837	Doctoral Seminar in Digital Innovation and IT Management
MSB716	Innovation & Global Financial markets	MSB838	Advanced Seminar on Theories of Innovative Organization

■ **Research Courses:** At least 30 credits

- 30 credits for thesis research
- 3 credits out of the research credits can be earned through internship program of at least 2 months in duration.
- ※ Graduation requirements for research thesis: Publish, or obtain approval for publication of, at least one paper in SSCI, SCI, or SCIE journal.
 - Applicable only when the student is the lead author, or when the academic advisor is the lead author and the student is the second author.

■ **Others (Applicable to both master's and doctoral programs)**

- Students who want to have credits earned at another college (graduate school) recognized as credits for mandatory major courses are required to take elective courses corresponding to the credits so recognized.
- Meet at least one of the following requirements: IBT TOEFL 83, PBT TOEFL 560, CBT TOEFL 220, TOEIC 720, TEPS 599, or IELTS 6.5 points.

□ **Transitional Measures**

- These requirements shall apply to students entering KAIST in 2016 or later. However, students who entered KAIST in 2015 or earlier shall meet either

the previous requirements or the amended requirements.

- Course credits earned in a master's program are cumulatively added to the course credits earned in a doctoral program. (The courses to be cumulatively added are in exclusion of the six credits in the Management field and the nine credits in the Advanced Elective and Integration fields.)
- Students in a doctoral program who do not hold a bachelor's or master's degree in the fields of business management, economics, technology management, industrial engineering, MBA, or technology policy are required to earn an additional nine credits in the Management field of the Graduate School of Innovation & Technology Management after obtaining approval from the academic advisor.