

**Major Course Completion Requirements for
Graduate School of Innovation and Technology Management
(For Master's Program) - 2020**

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 6 credits

- ITM501 Innovation Management
- ITM502 Entrepreneurship

■ **Elective Courses:** At least 24 credits or more

- Technology Management field: At least 6 credits or more
- Innovation and Strategy field: At least 6 credits or more
- Research Methodology field: At least 3 credits or more
- Up to 3 credits will be recognized for the courses of other graduate schools other than the courses of the Graduate School of Innovation and Technology Management and the School of Business and Technology Management.

■ **Research Courses:** At least 9 credits or more

- 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 2019 or later. However, students who entered KAIST in 2018 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 6 credits
 - ITM501 Innovation Management
 - ITM502 Entrepreneurship
- **Elective Courses:** At least 33 credits or more
 - Technology Management field: At least 6 credits or more
 - Innovation and Strategy field: At least 6 credits or more
 - “ITM800 Innovation and Strategy – Special Lecture (3)-<Research Methodology for Technology Management Cases>” is a mandatory course.
 - Up to 3 credits will be recognized for the courses of other graduate schools other than the courses of the Graduate School of Innovation and Technology Management and the School of Business and Technology Management.

■ **Research Courses:** At least 3 credits or more

- 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 2019 or later. However, students who entered KAIST in 2018 or earlier shall meet either the previous requirements or the amended requirements.

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 6 credits

- ITM501 Innovation Management
- ITM502 Entrepreneurship

■ **Elective Courses:** At least 30 credits or more

- Technology Management field: At least 6 credits or more
- Innovation and Strategy field: At least 6 credits or more
- Research Methodology field: At least 6 credits or more
- Up to 3 credits will be recognized for the courses of other graduate schools other than the courses of the Graduate School of Innovation and Technology Management and the School of Business and Technology Management.

※ Subjects Recognized as Technology Management

Subject No.	Subject Name
MSB615	Game Theory with Applications
MSB630	Managerial Accounting
MSB644	Supply Chain Innovation
MSB716	Innovation & Global Financial markets
MSB736	Advanced Quantitative Analysis
MSB835	Advanced Technology Innovation and Financial Management
MSB836	Marketing science seminar

※ Subjects Recognized as Innovation and Strategy

Subject No.	Subject Name
MSB613	Network Economics
MSB813	Telecommunications Economics
MSB830	Research on Performance Management
MSB837	Doctoral Seminar in Digital Innovation and IT Management
MSB838	Advanced Seminar on Theories of Innovative Organization

- Course credits earned in a master's program are cumulatively added to the course credits earned in a doctoral program.

(In the case of a Ph.D. student with a master's degree at KAIST, at least 15 credits or more in elective courses after entering the school)

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

- 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 2019 or later. However, students who entered KAIST in 2018 or earlier shall meet either the previous requirements or the amended requirements.