

Course Requirements

(1) Coursework for a Master's Degree

Program	Mandatory General Course	Mandatory Major Course	Elective Course	Research	Total
MSE	3 and 1AU	36	9	2	50
MSIT-SE	3 and 1AU	28	12	2	45

A. Graduation Credits

- MSE: At least 50 credits and 1AU in total
- MSIT-SE: At least 45 credits and 1AU in total

B. Mandatory General Course : at least 3credits and 1AU (both MSE and MSIT-SE)

- One course among CC511 Probability and Statistics, CC513 Engineering Economy and Cost Analysis, CC522 Introduction to Instruments and CC530 Entrepreneurship and Business Strategies (Entrepreneurship and Business Strategies course(CC530) is able to be replaced by the Management of Software Business(SEP584))
- CC020 Ethics and Safety I(1AU)

C. Mandatory Major Course Requirements: at least 36 credits(MSE), at least 28 credits(MSIT-SE)

* MSE

- SEP503 Computer Science for Software Engineers
- SEP537 Models of Software Systems
- SEP539 Methods: Deciding What to Design
- SEP591 Managing Software Management
- SEP601 Software Development Studio I
- SEP602 Software Development Studio II (take this course in CMU)
- SEP603 Software Development Studio III
- CMU Software Studio (take this course in CMU)
- Analysis of Software Artifact (take this course in CMU)
- Architecture for Software System (take this course in CMU)

* MSIT-SE

- SEP503 Computer Science for Software Engineers
- SEP537 Models of Software Systems
- SEP539 Methods: Deciding What to Design
- SEP591 Managing Software Management
- Analysis of Software Artifact (take this course in CMU)
- Architecture for Software System (take this course in CMU)
- Practicum Proposal (take the Independent Study course by video from CMU)
- Practicum I (take this course in CMU)
- Practicum II (take the course by video from CMU)

D. Elective Course Requirements: at least 9 credits(MSE)/ at least 12 credits(MSIT-SE)

- Elective courses in the following table

E. Research Course Requirements

- At least 2 credits including SEP965 Independent Study and SEP966 Seminar (Master).

F. English Requirements for Graduation

- Students are required to meet one of the following requirements on English proficiency before entering KAIST or during their years of enrollment: More than 83 points in IBT TOEFL; More than 6.5 points in IELTS; More than 720 points in TOEIC; More than 599 points in TEPS

G. These requirements apply to those students who entered in or after the 2010 academic year.

All students who entered in or after the 2010 academic year follow the coursework for a Master's Degree.

The students who entered in or before 2009 academic year can make a choice between a paper for a Master's Degree and a coursework for a Master's Degree.

(2) Thesis for a Master's Degree

Program	General Course	Mandatory Major Course	Elective Course	Research /Bootcamp	Total
MSE	1AU	24	18	6/1	49
MSIT-SE	1AU	27	9	9/1	46

A. Graduation Credits

- MSE: At least 49credits and 1AU in total
- MSIT-SE: At least 46credits and 1AU in total

B. Mandatory Major Course Requirements : MSE 24credits, MSIT-SE 27credits

C. Studio(Practicum) : MSE 18credits, MSIT-SE 9credits

D. Research

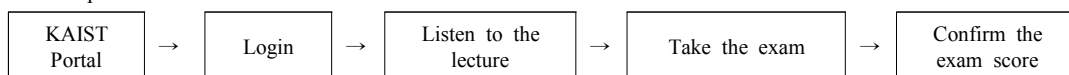
- MSE 6credits, MSIT-SE 9credits
- Bootcamp 1 common credit

E. English Language Requirements for Graduation

- One of the following should be satisfied
 - IBT TOEFL score: at least 88 or TOEIC score : at least 840 or TEPS score : at least 743 or IELTS score : at least 6.5
 - IBT TOEFL score: at least 79 or TOEIC score : at least 800 or TEPS score : at least 695 or IELTS score : at least 6.0 & if he/she published one more paper at international conference than basically required by each major department.

F. Ethics and Safety I(1AU)

- Sub Courses: Research Ethics /Lab Safety /Sexual Education /Leadership
- Exam Period: Beginning of each semester ~ the end of Final Exam period (No limit to the number of exams students can take during the exam period)
- Exam procedure



- Grade : "S" will be given as the passing grade.

Students must receive 60 (2010:70, After 2011:80) or above to pass each of these courses - Research Ethics /Lab Safety /Sexual Education /Leadership.("S " grade will be given). Grades will be recorded automatically on students' transcript at the end of each semester.

G. These requirements apply to those students who entered before the 2010 academic year