

□ Course Requirements

1. Credits for graduation

1) Master's Program

A) Thesis Master's Degree Program: at least 33 credits

<at least 21 credits for coursework + research credits (thesis research, thesis seminar, seminar)>

B) Coursework Master's Degree Program: at least 33 credits

<at least 21 credits for coursework + at least 6 for additional coursework credits + research credits (independent study, seminar)>

2) Doctoral program: at least 60 credits

<at least 30 credits for coursework + at least 30 research credits (dissertation research, dissertation seminar, and, seminar)>

※ The curriculum credits acquired in the master's course may be cumulatively added to the curriculum credits in PhD course.

3) A cumulative grade point average of 2.5 or higher out of a possible 4.3 in all coursework for graduation.

4) Mandatory general course credits : at least 3 credits from the general courses.

5) All graduate students presently studying at KAIST should pass the courses. Ethics and Safety I(1AU) in their first semester in order to graduate(take one time between master's program and doctoral programs) However, if not taken in their first semester, grade "U" is not given but they must take it next semester.

6) For the master's program, the non-credit leadership course has to be completed.

7) The major course (mandatory or elective) and research course requirements are different for each department. Refer to the course requirements of each department.

8) The departments (biological Sciences and chemistry) with self-regulated course requirements have the same number of total required credits, but the specific major course and research course requirements may differ from other department.

◦ Departments/Majors with self-regulated course requirements: biological Sciences department (graduate course), Chemistry department (PhD course)

◦ There is no change in the total required credits, but the major course credits are reduced and the research credits are increased.

2. Completion of the Coursework Master's Degree Program

1) Students in coursework master's degree program do not need to submit the master's thesis but have to complete additional coursework (at least 6 more credits)

2) Departments/Majors which offer coursework master's degree programs:

Mathematical Sciences, Biological Sciences, Bio and Brain Engineering, Nuclear and Quantum Engineering, Computer Science, Graduate School of Culture Technology, Graduate School of Science and Technology Program, Graduate School of Information and Media Management, College of Business(Techno-MBA, Executive-MBA, IMBA, Finance-MBA, Graduate School of Information & Media Management, MIS-MBA, Telecom-MBA), Telecommunication Engineering interdisciplinary program, Graduate Program of Science and Technology Policy, IT Technology Program

3) Coursework master's degree program in Nuclear and Quantum Engineering : Applies only to international students (admitted in 2003 spring semester or thereafter) who wish to take this option in consultation with his/her academic advisor.

4) Biological Sciences : Limited to the persons scheduled to advance to the PhD course.

3. Completion of the Interdisciplinary Program

- 1) The interdisciplinary program is classified into two categories: the students who graduate with the name of the department (interdisciplinary program) and students who graduate only by the name of interdisciplinary program and complete the requirements.
- 2) Students to graduate with the name of the department (interdisciplinary program) shall complete the curriculum of the department and interdisciplinary program at the same time, and students who wish to graduate with the name of the interdisciplinary program shall complete the curriculum of the applicable interdisciplinary program.

4. Completion of the Integrated Master's and Doctoral Degree Program

- 1) Students who enter the integrated master's and doctoral degree program are expected to complete their doctoral degree. They start with the master's program and are admitted to the PhD program without the usual requirements of submitting the master's thesis and passing the PhD entrance exam.
- 2) Completion of Curriculum
 - The curricula of existing master's and PhD programs are followed.
 - For the course requirements for this integrated program, a total of 60 credits (including the curriculum credits of 30 credits or more and the research credits) have to be acquired including credits acquired in the master's program. In addition, students have to satisfy the requirements for the PhD program separately regulated by the department (including the completion of the leadership course).
 - The curriculum credits and research credits earned from the master's course may be cumulatively counted.
 - Conferment of degree: the doctoral degree is conferred after the student fulfills the course requirements and passes the comprehensive examination and the degree thesis review.
 - For a detailed description of the full number of students and student selection procedures, refer to the operation manual of the integrated course for master's and PhD and recruitment instructions for each year's master's and PhD programs.
 - Action taken for people who drop out from the course: In case that a student drops out, the master's degree can be conferred if the requirement of master's degree is completed.

5. Renaissance Program

- The Renaissance Program is a system design-centric curriculum for fostering graduate students' comprehensive thinking; it is set to be run starting from Spring 2009.
- Eligibility: In principle, the Renaissance Program is open to students joining KAIST in 2009 and onward, but those who have entered KAIST before 2009 are allowed to take part in the program if they complete the courses specified below during their years of enrollment.
- Benefit: Successful participants will be conferred a certificate that demonstrates their completion of the Renaissance program.
- Course requirements
 - Course requirements are to be set independently by individual departments, with the following Mandatory courses (13 credits in total) being an exception:

Semester	Course No.	Course	Credit	Course Opening	Remark
1	CC532	Collaborative System Design and Engineering	4	Spring	CC
2		Departmental Design Course	3	Fall	Refer to the list below
3,4		Departmental Design Project 1,2	Each 3	Spring, Fall	Opening in 2010

* Students are encouraged to take design and project courses offered by their respective departments after completing CC532.

- The list of the Departmental Design Course

Department	Course No.	Course Name
Mechanical Eng.	MAE590	Design of Complex Mechanical Systems
Aerospace Eng.	MAE406	Aerospace System Design II
Civil & Environmental Eng.	CE420	Environmental Design
Chemical & Biomolecular Eng.	CBE505	Chemical Process and Product Design
Materials Science & Eng.	MS590	Design of Nanomaterials and Processing
Nuclear & Quantum Eng.	NQE529	Nuclear System Design Course
Electrical Eng.	EE512	System Programming
Computer Science	CS554	Designs for Software and Systems
Industrial & Systems Eng.	IE575	Special Topics in Industrial Engineering II <Structuring and Pricing of Financial Products>
Mathematical Sciences	MAS880B	Topics in Mathematics <Structuring and Pricing of Financial Products>

* Students can take design courses offered by any departments (regardless of their own department); ones not participating in Renaissance Program can also take the courses above.

- Departmental Design Project 1,2 : It is possible to replace by research credits(thesis research) of the belonging department if the department allows

6. Completion of special courses

A total of 9 credits are allowed to be taken in master's program (The subtitles are needed for opening special courses and they are recorded on the grade report.)

7. Action taken and others

- 1) Matters on curriculum shall be determined with the entry year as the basis except the separately determined, and in the event that the subject is closed or changed, make sure to complete the replacement course.
- 2) In the event of having separate matters other than the Handbook or instruction related to the curriculum, the policy of the department shall be complied with, however, in the event of having objection or adjustment, it shall be determined through the review of a relevant committee and others.

*** Note**

The confirmation of graduation requirement including the status of subject, requirement of subject, and others shall be implemented under the responsibility of the student.