

## Course Requirements

Course	Credits			Research	Total
	Mandatory General Course	Mandatory Major Course	Elective Course		
<b>MS</b>	3 and 1AU	3	15	12	33
<b>Ph. D</b>	3 and 1AU	3	24	30	60

- Credits earned from a previous MS course may be used to fulfill the Ph. D course credit requirement.
- Course requirements of related departments as well as educational program should be satisfied.
- It must be completed the mandatory major course of the educational program.
- It comes highly recommended that Masters and Ph. D students take CC500 Scientific Writing. (Accepted as an elective course)

### □ MS Program (Graduation Credits : at least 33 credits)

#### A. Mandatory General Course : 3 credits and 1AU

- CC010 Special Lecture on Leadership (non-credit, but it is a mandatorily required course, this applies to students entering KAIST in 2002 and thereafter ; general scholarship students, foreign students are excluded)
- CC020 Ethics and Safety I (1AU)
- Should select at least 1 course among CC510(Introduction to Computer Application), CC511(Probability and Statistics), CC512(Introduction to Materials and Engineering), CC522(Introduction to Instruments).

#### B. Mandatory Major Courses : 3 credits

- Every student must take 1 course which this program provides.

#### C. Elective Courses : At least 15 credits

- Every student must select at least 5 courses among the designated the mandatory/elective major of related departments.

#### D. Research : At least 12 credits

- Every student must have at least 12 credits in thesis research, individual research, seminar, etc. (Research courses may be substituted by ones in their department)

### □ Ph. D Program (Graduation Credits : at least 60 credits)

#### A. Mandatory General Course : 3 credits and 1AU

- It is the same as for the MS course. (If the student has already taken this course during his MS program, then it does not have to be taken again.)

#### B. Mandatory Major Courses : 3 credits

- Every student must take 1 courses which this program provides. (If the student has already taken this course during his MS program, then it does not have to be taken again.)

#### C. Elective Courses: At least 24 credits

- In addition to the courses taken in the MS program, every student must take at least 8 courses which this program provides.

#### D. Research : At least 30 credits

- Students must have at least 30 credits in thesis research, individual research, seminar, etc. (Research courses may be substituted by ones in their department)