

Course Requirements

□ Undergraduate Courses

- A. Graduation Credits : at least 130 credits in total
- ※ A cumulative grade point average of 2.0 or higher out of a possible 4.3 in all coursework
- B. General Course : At least 27 credits and 9AU(applicable to students entering KAIST in 2009 and onward; for those who have entered KAIST before 2009, refer to the Course Completion Requirements by Year of Admission)
- Mandatory General Course
 - Students entering KAIST in 2009 and onward : 6 credits and 9AU
English Communication(1), Critical Thinking in English(2), Writing(3), Physical Education(4AU), Community Service(2AU), Humanity/Leadership(2AU), Ethics and Safety II (1AU)
 - Students entering KAIST between 2007 and 2008 : 7 credits and 9AU
English Communication I(1), English Communication II(1), English Reading&Writing(2), Writing(3), Physical Education(4AU), Community Service(2AU), Humanity/Leadership(2AU), Ethics and Safety II (1AU)
 - * English Communication I → English Communication
 - English Communication II → English Conversation
 - English Reading&Writing → Critical Thinking in English
 - Elective General Course in Humanities & Social Science : at least 21 credits
 - Students entering KAIST in 2009 and onward : at least 21 credits including at least 1 course in each of 2 divisions among 3 divisions(Humanity, Society, Culture & Art)
 - Students having entered KAIST before 2009 : at least 21 credits including at least 1 course in each of 2 divisions among 5 divisions(Science Technology; Literature and Art; History and Philosophy; Social Science; Foreign Language and Linguistics) or at least 1 course in each of 2 divisions among 3 divisions(Humanity, Society, Literature&Art)
 - Students entering KAIST in 2007 and onward should earn at least 18 credits through English lectures among the 21 credits required as Elective General Courses in Humanities & Social Science.
 - ※ Students having a double major take 12 credits without considering categories. (Students entering KAIST in 2007 and onward should take 12 credits through English lectures.)
- C. Completion of Basic Courses: at least 32 credits (applicable to students entering KAIST in 2008 and onward; for those who have entered KAIST before 2009, refer to the Course Completion Requirements by Year of Admission)
- Mandatory Basic Courses: 26 credits
 - ① 1 course among Fundamental Physics I (3), General Physics I (3), and Advanced Physics I (3)
 - ② 1 course among Fundamental Physics II (3), General Physics II (3), and Advance Physics II (3)
 - ③ 1 course of General Physics Lab I (1)
 - ④ 1 course of Basic Biology (3) or General Biology (3)
 - ⑤ 1 course of Calculus I (3) or Honor Calculus I (3)
 - ⑥ 1 course of Calculus II (3) or Honor Calculus II (3)
 - ⑦ 1 course among Basic Chemistry (3), General Chemistry I (3), and Advanced Chemistry (3)
 - ⑧ 1 course of General Chemistry Lab I (1) or Advanced Chemistry Lab (1)
 - ⑨ 1 course of Basic Programming (3) or Advanced Programming (3)
 - ⑩ Freshman Design Course : Introduction to Design and Communication (3)
 - ※ Students having entered KAIST in 2007 or before : 23 credits (①~⑨)
 - Elective Basic Courses: at least 6 credits
 - ※ Students having a double major take 3 credits.

- D. Major Course : at least 42 credits
 - Mandatory major course : 12 credits
 - Elective major course : at least 30 credits
- E. Elective Course
- F. Research Course : at least 3 credits
 - Students must take 3 credits for Research in Materials Science and Engineering(MS490)
 - Credits from Seminar and Individual Study are counted as Research Course credits
 - ※ Students having a double major are exempt.
- G. English Proficiency Requirements upon Graduation
 - Students are required to meet one of the following requirements on English proficiency before entering KAIST or during their years of enrollment: 560 points in PBT TOEFL; 220 points in CBT TOEFL; 83 points in IBT TOEFL; 6.5 points in IELTS; 720 points or 760/775 points in TOEIC (see below); or 599 points or 670/690 points in TEPS (see below).
 - ※ Criteria for TOEIC and TEPS scores
 - Students submitting scores from new TOEIC (held in May 2006 and onward) or TEPS held on March 1, 2007 and onward: 720 points in TOEIC; or 599 points in TEPS
 - Students submitting scores from old TOEIC (held before April 2006) or TEPS held before February 28, 2007:
 - Students entering KAIST in 2008 and onward: 775 points in TOEIC; or 690 points in TEPS
 - Students entering KAIST in 2007 or before: 760 points in TOEIC; or 670 points in TEPS
 - ※ Requirements for a double major : 40 credits including mandatory major courses
 - ※ Requirements for a minor : at least 18 credits (at least 9 credits from both mandatory major courses and elective major courses)

※ General and basic courses in undergraduate program are different from years of admission; therefore, students entering KAIST before 2009 should refer to the Course Completion Requirements by Year of Admission.

□ Master's Program

- A. Graduation Credits : at least 33 credits
- B. Mandatory General Course : 3 credits and 1AU
 - CC010 Special Lecture on Leadership(non-credit, this applies to students entering KAIST in 2002 and onward; general scholarship students, foreign students are excluded)
 - CC020 Ethics and Safety I(1AU)
- C. Mandatory Major Course : 0 (none)
- D. Elective Course : at least 18 credits
(should take more than 9 credits offered by the department)
- E. Research Credits : at most 12 credits (including 2 credits in Seminar)

□ Doctoral Program

- A. Graduation Credits : at least 60 credits
- B. Mandatory General Course : 3 credits and 1AU
 - CC020 Ethics and Safety I(1AU)
- C. Mandatory Major Course : 0 (none)
- D. Elective Course : at least 27 credits
(should take more than 12 credits offered by the department)
- E. Research Credits : at least 30 credits(including 2 credits in Seminar)

※ The course credits earned in the Master's course work can be used towards the Doctoral degree(except research credits).

□ **Measures for Change**

A. Undergraduate Courses

Students who entered in 2008 or later should fulfill current degree requirements. Students who entered in 2007 or earlier should fulfill previous degree requirements.

B. Master's and Doctoral Program

1. The new course requirements except for elective courses are applicable to all of the current students, starting on Feb. 1, 2009.
2. Regarding the elective courses, students who entered in 2009 or later should take more than 9/12 credits (master's program/doctoral program) offered by the department among at least total 18/27 credits (master's program/doctoral program).
3. Regarding the elective courses, students who entered before 2009 should take at least 18/27 credits (master's program/doctoral program) with no restrictions on the offering department.