

Course Requirements

□ Undergraduate Course

| General Course | | | Basic Course | | | Major Course | | | Elective Course | Research | Total |
|----------------|----------|-----------|--------------|----------|----------|--------------|----------|----------|-----------------|----------|-------|
| Mandatory | Elective | Subtotal | Mandatory | Elective | Subtotal | Mandatory | Elective | Subtotal | | | |
| 7 (8 AU) | 21 | 28 (8 AU) | 23 | 9 | 32 | 12 | 33 | 45 | 22 | 3 | 130 |

A. Graduation Credits

: At least 130 credits in total are required.

B. General Courses: At least 28 credits are required.

- Mandatory General Courses : 7 credits and 8 AU (1 AU means 1 hour activity/work a week for a semester).
 - Students who entered the KAIST in or before 2006
 - "English I," "English II," and "Writing" : 7 credits
 - 4 AU of "Community Service"(64 hours), 4AU of "Physical Education"(64 hours) : 8 AU
 - Students who enter the KAIST in or after 2007
 - "English Communication I", "English Communication II", "English Reading & Writing", and "Writing" : 7 credits
 - 2 AU of "Community Service"(32 hours), 4AU of "Physical Education"(64 hours), 2AU of "Humanity/Leadership": 8 AU
 - ※ AU is not counted for GPA but required for graduation.
- Elective General Courses in Humanities and Social Science
 - : At least 21 credits (7 courses) are required.
 - : Take 1 course of each of 5 divisions (15 credits) - Science Technology, Literature and Art, History and Philosophy, Social Science and Foreign Language and Linguistics.
 - : As for completing courses of Foreign Language and Linguistics division, students should take at least 1 course of a second foreign language.

C. Basic Courses: At least 32 credits are required.

- Mandatory Basic Courses
 - : 23 credits are required (take 1 course among the following 9 categories).
 - ① 1 course: Fundamental Physics I (3), General Physics I (3), or Advanced Physics I (3)
 - ② 1 course: Fundamental Physics II (3), General Physics II (3), or Advanced 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: Basic Chemistry (3), General Chemistry I (3) or Advanced Chemistry (3)
 - ⑧ 1 course of General Chemistry Lab. I (1) or Advanced Chemistry Lab. II (1)
 - ⑨ 1 course of Basic Programming (3) or Advanced Programming (3)

◦ Elective Basic Courses

: At least 9 credits are required.

D. Major Courses: At least 45 credits are required.

- Mandatory Major Courses. : 12 credits (CE201, CE202, CE203, CE303) are required.
- Elective Major Courses. : At least 33 credits are required.

E. Elective Courses: At least 22 credits are required.

F. Research Courses: At least 3 credits are required (CE490).

G. English Language Requirements for Graduation

: One of the following requirements should be satisfied for graduation before entering school or while in

school.

- PBT TOEFL (ITP) score : at least 560
- CBT TOEFL score : at least 220
- iBT TOEFL score: at least 83
- TOEIC score : at least 760
- TEPS score : at least 670

H. Minor and Double Major

- Double Major : Completion of major courses are required (at least 45 credits).
- Minor :
At least 21 credits of major courses are required including 12 credits of required major courses.

□ Master's Program

| General Course | Major Courses | | Research (including seminar credits) | Total |
|----------------|---------------|----------|--------------------------------------|-------|
| | Mandatory | Elective | | |
| 3 | 6 | 18 | 9 | 36 |

- A. Graduation Credits: At least 36 credits are required.
- B. General Courses: 1 course among CC510, CC511 and CC512 (3 credits)
- C. Mandatory Major Courses
: 2 courses among CE501, CE502, CE503, CE504 and CE505 (6 credits).
- D. Elective Major Courses: At least 18 credits are required.
- E. Research Courses
: No more than 9 credits are admitted (including 2 seminar credits).
: 2 seminar credits are not required for General Scholarship Student.

□ Doctoral Program

- A. Graduation Credits: At least 72 credits are required.
: The course credits acquired in Master's program are approved.

| General Course | Major Courses | | Research (including seminar credits) | Total |
|----------------|---------------|-----------|--------------------------------------|-----------|
| | Mandatory | Elective | | |
| 3 | 6 | 33* or 39 | 30 | 72* or 78 |

* for Environmental Engineering Students.

- B. General Courses
: 1 course among CC510, CC511 and CC512 (3 credits).
: The course taken in the Master's program is approved.
- C. Mandatory Major Courses
: 2 courses among CE501, CE502, CE503, CE504 and CE505 (6 credits).
: The courses taken in the Master's program are approved.
- D. Elective Major Courses
: At least 33 credits are required for students majoring in Environmental Engineering.
: At least 39 credits are required for students majoring in Structural engineering and Geotechnical engineering.
- E. Research Courses
: At least 30 credits are required (including 2 seminar credits).
: 2 seminar credits are not required for General Scholarship Student.