

Course Requirements

□ Undergraduate Program

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	18	24	42	23	5	130

A. Graduation Credits

At least 130 credits in total

B. General Course Requirements: At least 28 credits

- Mandatory General Course: 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 Course in Humanities & Social Science: at least 21 credits (at least 7 courses).
 - At least 1 course in each of 5 divisions: Science Technology; Literature and Art; History and Philosophy; Social Science; Foreign Language and Linguistics.

C. Basic Course Requirements: at least 32 credits

- Mandatory Basic Course: 23 credits (Take 1 course from each of 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)
- ※ 'General Biology'(BS120) or Basic Biology(BS110) should be taken after 2006, and 'General Biology' is more recommended to take.

- Elective Basic Course: Elective Basic Course: at least 9 credits (Introduction to Linear Algebra (MAS109) and Differential Equations and Applications (MAS201) should be taken after 2006.)

D. Major Course Requirements: at least 42 credits

- Mandatory Major Course : at least 18 credits
 - Introduction to Bioinformation and Bioelectronics, Bio-Data Structures, BioNanoEngineering, Systems Bioengineering,
 - Bio Computer Engineering, Biological Instrumentation Laboratory
- Elective Major Course : at least 24 credits

E. Elective Course Requirements:

'Probability and Statistics' (MAS250) should be taken after 2006.

F. Research Course Requirements: at least 5 credits.

- Graduation research: 3 credits (required)
- Individual study: 2 or fewer credits

- Seminar: 2 credits (required)

G. English Language Requirement 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

- Minor: at least 18 credits
 - Mandatory Major Course: 18 credits
- Double Major: at least 42 credits
 - Major Course: 42 credits

□ Graduate Programs

1) Master's Program: at least 36 credits

(at least 24 credits for coursework + at least 12 research credits)

General Course	Major Course		Research (including seminar(2), Advanced BioSeminar(2) credits)	Total
	Mandatory	Elective		
3	3	18	12 (4)	36

2) Doctoral Program : at least 72 credits

(at least 42 credits for coursework + at least 30 research credits)

General Course	Major Course		Research (including seminar(2), Advanced BioSeminar(2) credits)	Total
	Mandatory	Elective		
3	3	36	30 (4)	72

□ Interim Accommodations

1. Undergraduate Program

All requirements apply to students entering in 2007. But, 2 credits of seminar (BiS496) in research credits are required for students entering in 2005.

2. Master's Program

All requirements apply to students entering in 2007. But, 2 credits of seminar in research credits are required for students entering in 2005. (Foreign students are required to take one of the following classes while they are enrolled in the Master's program: Korean classes (2 credits or more) or seminar (BiS966, 2 credits))

3. Doctoral Program

All requirements apply to students entering in 2007. But, 2 credits of seminar in research credits are required for students entering in 2005. (Foreign students are required to take one of the following classes while they are enrolled in the Master's program: Korean classes (2 credits or more) or seminar class (BiS986, 2 credits))