

□ Course Requirements

1. Graduation Credits

- At least 130 credits in total

2. Completion of General Courses: At least 28 credits

- Required General Courses: 7 credits and 8 AU
 - English I, English II, Writing Course: 7 credits
 - ※ Students who enter KAIST with a high TOEFL score can transfer it to credits for English I or II.

Course Name	Credits	PBT TOEFL Score	CBT TOEFL Score	TEPS Score
English I	B0	560-564	220-223	670-695
	B+	565-569	224-227	696-711
	A-	570-574	228-231	712-728
	A0	575-579	232-235	729-746
	A+	580 points or more	236 points or more	747 points or more
Course Name	Credits	PBT TOEFL Score	CBT TOEFL Score	TEPS Score
English II	B0	585-589	240-242	765-780
	B+	590-594	243-246	781-797
	A-	595-599	247-249	798-815
	A0	600-604	250-252	816-834
	A+	605 points or more	253 points or more	835 points or more

※ S can be given upon request by students.

- AU: 8 AU (P. E. (Physical Education) Activity 4AU, Community Service 4AU)

※ AU is not counted for GPA but required for graduation.

- Physical Education: 4 AU should be completed. Since each course in Physical Education has 2 AU, 2 courses should be taken (from Badminton, Swimming, Tennis, Basketball, Health Management, Bowling, Golf, Football). · 2 AU among 4 AU can be replaced by sports club activities.

- Community Service : 4 AU should be taken.

- Service at the flower town, serving as an executive member of student association, serving as a student representative of a department, service in the school clean-up campaign, service at a public welfare organization such as the welfare center, service at public organizations such as the national park management corporation, service at government offices such as a city hall and a town-block office.

- The proof of the community service sealed with the signature of the service organization for the off-campus service and of the head of the corresponding administrative office for the on-campus service should be submitted to the department of school affairs (school register).

- Elective Courses in Humanities & Social Sciences: at least 21 credits (at least 7 courses)

Take (15 credits) 1 course of each of the following 5 categories: Science Technology; Literature and Art; History and Philosophy; Social Science; Foreign Language and Linguistics; the rest can be chosen regardless of the category.

※ Foreign Language and Linguistics: students should take at least 1 course of a second foreign language.

3. Completion of Basic Courses: at least 32 credits

- Mandatory Basic Courses: 23 credits (Take 1 course among the following categories)

- 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 Differential & Integral I (3) or Advanced Differential & Integral I (3)
- ⑥ 1 course of Differential & Integral II (3) or Advanced Differential & Integral 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)

※ The students who major in Industrial Design should complete 17 credits and are exempt from taking General Physics II (Basic, General, Advanced), and Differential & Integral II (General, Advanced).

○ Elective Basic Courses: at least 9 credits (Each department has different specific requirements. Please refer to the departmental requirements for course completion.)

※ The students who major in Industrial Design can take General Physics II (Beginner, Intermediate, Advanced), and Differential & Integral II (Intermediate, Advanced) as elective basic courses.

4. Completion of Major Courses: at least 40 credits (Each department has different requirements. Please refer to the departmental requirements for course completion.)

5. Completion of Elective Courses: Take mandatory and elective major courses from other departments. (Some departments requires students to take some specific courses. Please refer to the departmental requirements for course completion.)

6. Completion of Research Courses: at least 3 credits (Please refer to the departmental requirements for course completion.)

○ Please be sure to take 3 credits for graduate research (It can be replaced with 'Field Internship', etc.)

○ Each department grants different credit hours for individual study or the seminar course. (Please refer to the departmental requirements for course completion.)

※ The following departments grant up to 4 credits for individual study: Chemistry; Electric & Electronic; and Computer Science.

7 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
- TOEIC score: at least 760
- TEPS score: at least 670

8. Minor and Double Major

○ Minor: at least 18 credits outside major

○ Double Major: at least 40 credits (including graduation research) in major required by the relevant department

○ The departmental requirements vary. Please refer to the requirements of interest for course completion.)

○ In case that minor and double-major courses overlap, please take additional major courses in the relevant department(s).

○ Completion of minor and double major courses is based on the requirements of the admission year or the time of application.

9. Taking Special Courses

○ In case the course subtitles are different from each other, up to 3 courses may be taken; a make-up course can be taken only if the course subtitles are the same.

- However, make-up courses can be taken for cultural subjects of the same category offered from the 1999 summer semester and for the major special courses opened within the same course/major from the

2004 winter semester, if it is allowed by the dean of the department.

10. Contemporary Science and Technology for Pre-department Students

- Established from the autumn semester, 2003, for pre-department students (course number: AA100)
- Lecture: Lab: Credit = 3:0:1 (S or U is given for credit)
- One or two lecturing professors from each department/major are designated.
- The subject introduces a broad view on the latest R&D and updates promising research areas and prospects of each field. This course introduces and discusses on active fields that have bright future from departments/majors of KAIST.

11. M-Tech (Management of Technology) Program

- This is a management education program for engineering students who may lack the management culture. This course has been offered from the fall semester of 2003 for the undergraduate students to develop capable human resources in science and technology who are equipped with the comprehensive understanding and problem solving capability on management and science and technology.
- Composition of curriculum
 - Mandatory M-Tech subject: Introduction to Economy and Introduction of Management
 - Elective M-Tech subject (Choose 2): Financial Management for Engineering Student, Financial Accounting for Engineering Student, Marketing for Engineering Student, Entrepreneurship and Management Strategy.
 - Elective M-Tech subject (Choose 1): Introduction to OR, Project Management, Introduction to Information System, Data & Information Systems.
- A certificate will be awarded to the students who have completed this program.

12. Leadership Program

- This course has been offered from 2003 for the undergraduate students so that they grow as wholesome human beings with knowledge-creating leadership and serve as leaders in the community.
- The program is classified and completed in 6 stages, starting with Leadership Training, followed by Communication Program, Naval Academy Commissioned Education, Service Activity Program, Culture Experience Program, Overseas Training Program.
- A certificate of completion is granted when completing the course
- Details of program opened

Name of program	Recognized credit
1. Leadership Training	1 credit
2. Communication Program	1 credit
3. Naval Academy Commissioned Education	Sports activity (4AU) recognized
4. Service Activity Program	Volunteer activity (4AU) recognized
5. Culture Experience Program	Not recognized
6. Overseas Training Program	Not recognized

13. Advanced English Program

- This program is designed to provide scientifically oriented students with higher proficiency in English and a wider understanding of British-American culture by completing English-related courses in School of Humanities and Social Sciences. Targeting undergraduate students, this program has been offered since the Fall semester, 2004.
- Curriculum
 - * Advanced English Conversation, Advanced English Writing, English Science Writing, English Presentation, English Through the Internet, English Reading in Current Issues, English Reading in Science, English and American Culture, English Prose, English Short Stories (Elective General).
 - * British and American Novel, Special Lecture on English Literature, English Structure and Grammar (HSS Elective).
 - * Other courses approved by the Advanced English Program Committee.

- Students are supposed to complete more than 15 credits in English-related courses (more than 9 credits in Elective General courses) in addition to required English courses (English I, English II). The courses taken before applying for Advanced English Program will be approved.
- A certificate will be awarded to the students who have completed this program.

14. Measures for Change

- Please refer to the departmental course completion requirements in case of unification or separation of department, change in department, revision of curriculum, etc.
- Matters regarding curriculum are based on each student's admission year unless any exceptions are specified; in case courses have been changed or are no more opened, the substitute courses should be taken.

*** Note**

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