❏ Course Requirements

1. 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.

2. Completion of General Courses: At least 27 credits and 9AU (applicable to students entering KAIST in 2011 and thereafter; for those who have entered KAIST in 2008 and before, refer to the Course Completion Requirements by Year of Admission)

◦ Mandatory General Courses

Academic Year	Credits	Required Courses
In 2011 and thereafter	6 credits and 9AU	English Communication(1), Critical Thinking in English(2), Writing(3), Physical Education(4AU), Humanity/Leadership(2AU), Ethics and Safety II(1AU), Happy College Life(1AU), Exciting College Life(1AU)
Between 2009 and 2010	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)
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
Between 1998 and 2006	7 credits and 9AU	English I(2), English II(2) Writing(4AU), Community Service(2AU), Humanity/Leadership(2AU), Ethics and Safety II(1AU) * English I → English Communication * English II → Critical Thinking in English

① English: 3 credits (applicable to students entering KAIST in 2009 and thereafter; for those who have entered KAIST in 2008 and before, refer to the Course Completion Requirements by Year of Admission)
  - Students entering KAIST in 2009 and thereafter: English Communication (1), Critical Thinking in English (2)
  - Students entering KAIST between 2007 and 2008 (4 credits): English Communication I (1), English Communication II (1), English Reading&Writing (2)
    * English Communication I → English Communication
      English Communication II → English Conversation
      English Reading&Writing → Critical Thinking in English

  ※ Criteria for credit recognition of English courses (applicable to students entering KAIST in 2011 and thereafter; for those who have entered KAIST in 2010 and before, refer to the criteria by Year of Admission)

  ▫ The criteria for credit recognition of <u>English Communication</u> is the score from the Speaking Test of the KAIST English Proficiency Exam, which is conducted every semester for freshmen.

Grade	Score	Credit Recognition
1	91-100	To be exempt from **English Communication** and graded with an "S"

  ▫ The criteria for credit recognition of <u>Critical Thinking in English</u> is the score from the Reading, Writing Test of the KAIST English Proficiency Exam, which is conducted every semester for freshmen.

Grade	Score	Credit Recognition
1	91-100	To be exempt from **Critical Thinking in English** and graded with an "S"

※ Criteria for credit recognition of English courses (applicable to students from foreign high schools using English as primary language)

Academic Year	Requirement
Students admitted to KAIST in 2011 and thereafter	Students who completed the high school curriculum where English is the primary language will be exempted from English language requisites and will be graded with an "S"
Students admitted to KAIST in 2010 and before	Foreign students who completed the entire high school curriculum where English is the primary language will be exempted from English language requisites and will be graded with an "S"

② Writing: 3 credits
- Students will take a level test and will be divided into level A, B and C according to the students' level of writing. (Level test can only be taken once during the undergraduate course)

Level	Credit Recognition and Prerequisite
A	To be exempted from Writing and graded with an "S"
B	To be attending Writing I
C	To be attending Writing I after attending Basic Writing (no credit, free of charge) opened by Writing Center

※ Students admitted between 2007 and 2008 who took the writing level test before fall semester of 2011 but have not enrolled in a writing class
  · Level A and B: Take one class from any writing class
  · Level C: Take one class from any writing class after taking Basic Writing (no credit, free of charge)
※ Students who have entered KAIST in 2006 and before, refer to the Course Completion Requirements by Year of Admission

③ Physical Education: 4AU should be completed. (not counted for GPA but required for graduation.)
  · Since each course in Physical Education has 2AU, 2 courses should be taken
  · 2AU among 4AU can be replaced by extra curricular sports activities.

④ Community Service: Not applicable to students entering KAIST in 2011 and thereafter. However, leadership mileage will be awarded for proof of community service.
  · Students who entered the KAIST in or before 2006 must complete 4AU; those who enter the KAIST between 2007 and 2010 must complete 2AU. (not counted for GPA but required for graduation.)
  · 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 Academic Registrar's Team.

⑤ Humanity/Leadership : 2AU(not counted for GPA but required for graduation.)
  · Applicable to students who enter the KAIST in or after 2007 and is mandatory for graduation

Course	Program	Credit
Humanity/Leadership I	Complete either 7H leadership training or phoenix leadership training	1AU
Humanity/Leadership II	Communication training	1AU
Humainty/Leadership III	Complete one program among photography, musical instruments, jazz dance, hip-hop, a cappella, etc	1AU

  · Program and credit recognition per course

* Only students within their first 2 semesters can attend the Humanity/Leadership III course

⑥ Ethics and Satey II : 1AU(applicable to all of the students presently studying at KAIST. not counted for GPA but required for graduation.)
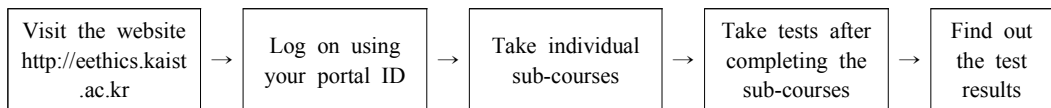
- Ethics and Safety II(HSS070/10.179) includes Research Ethics, Lab Safety, Sex Education and Leadership. Students do not have to register for the course but go to the web-site(http://eethics.kaist.ac.kr), complete the course and pass the test with the grade "S" if they satisfy the criteria below.
- Opening semester : Spring, Fall
- Students must score 80 or higher in all of the 4subjects(Research Ethics, Lab Safety, Sexual Violence & Sexual Harassment, and Leadership) *Note that total points are 100 in each subject.
- Exam period: From the beginning of each semester through the final exam period (One may take exams by up to ten times per each sub-course during the period)
- Exam-taking process

| Visit the website http://eethics.kaist.ac.kr | → | Log on using your portal ID | → | Take individual sub-courses | → | Take tests after completing the sub-courses | → | Find out the test results |

　* Students will pass the course only with a score of 80 or higher in all of the 4 subjects during one semester.

⑦ Happy College Life/Exciting College Life : 2AU for students entering KAIST in 2011 and thereafter (not counted for GPA but required for graduation.)

- Students must complete Happy College Life (1AU) in the first semester of their freshmen year and Exciting College Life(1AU) in the following semester.

◦ Elective General Courses in Humanities & Social Sciences: at least 21 credits
- Take (6 credits) 1 course of each of the following 2 categories among 3 categories: Humanity, Society and Literature and Arts; the rest can be chosen regardless of the category. (applicable to students entering KAIST in 2009 and thereafter; for those who have entered KAIST in and before 2008, refer to the Course Completion Requirements by Year of Admission)
- Students entering KAIST between 2007 and 2010 should earn at least 9 credits through lectures in English 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 between 2007 and 2010 should take 6 credits through lectures in English.)
　※ The requirement of taking lectures in English as Elective General Courses in Humanities & Social Science is not applied to students entering KAIST in 2011 or thereafter.

◦ General course requirements for international students in the undergraduate program
　A. English language courses : Students those who have completed high school at an English-speaking high school are exempt from English language requisites, granted credit recognition, and given a grade of S. (applicable to students who enter the KAIST in or after 2011)
　　*Student admitted to KAIST between 1998 and 2010: applies to foreign students only
　B. Completion of Korean language courses(Exemption from Writing course) : International students are exempt from Writing course, which is a liberal education requisite. However, the students who are exempt from Writing course should take HSS006(10.108, Basic Korean I for foreign Students, 3 credits), which is a liberal education requisite, and HSS193(10.167, Basic Korean II for foreign Students, 3 credits), which is a general elective course. (applicable to students who enter the KAIST in or after 1998)
　C. Completion of AU courses : International students must complete AU courses (Total 9 : Physical Education 2AU, Humanity/Leadership 2AU, Ethics and Safety II 1AU, Happy College Life 1AU, Exciting College Life 1AU which are liberal education requisites. However, Humanity/Leadership may be substituted by Cultural

Experience (applicable to students who enter the KAIST in or after 2011).

* Students entering KAIST in 2007 to 2010: Physical Education 4AU, Community Service 2AU, Humanity/Leadership 2AU, Ethics and Safety II 1AU (Total: 9AU)

* Students entering KAIST in 2006 or before: Physical Education 4AU, Community Service 4AU, Ethics and Safety II 1AU (Total: 9AU)

3. **Completion of Basic Courses: at least 32 credits** (applicable to students entering KAIST in 2012 and thereafter; for those who have entered KAIST in and before 2011, refer to the Course Completion Requirements by Year of Admission)

   ◦ Mandatory Basic Courses: 23 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)
   - Students having entered KAIST in 2007 or before : 23 credits (①~⑨)
   - Students having entered KAIST between 2008 and 2011: 26 credits((①~⑨), Freshman Design Course: Introduction to Design and Communication)(3))

   ◦ Elective Basic Courses: at least 9 credits (Each department has different specific requirements. Please refer to the departmental requirements for course completion.)
   - Students admitted in and before 2011 should take more than 6 credits
   ※ Students having a double major take at least 3 or 6 credits.

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 (However, students having a double major are exempt)
   ◦ Each department grants different credit hours for individual study or the seminar course. (Please refer to the departmental requirements for course completion.)

7. **English Proficiency Requirements upon Graduation**
   ◦ Before entering or during studying at KAIST, students should obtain the minimum required score or higher from one of the following: TOEFL, TOEIC, TEPS and IELTS.
   ◦ Students who have hearing impairment level 3 or above should obtain the minimum required score or higher, excluding listening.
   A. Students who have submitted past scores for TOEIC (before April 2006) or TEPS (before February 28, 2007)
   - Students admitted in 2008 or later

Classification	iBT TOFEL	PBT TOFEL	CBT TOFEL	TOEIC	TEPS	IELTS
General qualification score	83	560	220	775	690	6.5
Qualification score for hearing impairment level 3 or above	62	372	146	387	414	4.8

- Students admitted in 2007 or earlier

Classification	iBT TOFEL	PBT TOFEL	CBT TOFEL	TOEIC	TEPS	IELTS
General qualification score	83	560	220	760	670	6.5
Qualification score for hearing impairment level 3 or above	62	372	146	380	402	4.8

B. Students who have submitted NEW TOEIC score taken after May 2006 or TEPS score taken after March 1, 2007

Classification	iBT TOFEL	PBT TOFEL	CBT TOFEL	TOEIC	TEPS	IELTS
General qualification score	83	560	220	720	599	6.5
Qualification score for hearing impairment level 3 or above	62	372	146	360	359	4.8

8. Graduation requirements for foreign students: TOPIK (Test of Proficiency in Korean)
  ◦ Undergraduate foreign students are required to obtain level 2 or higher score in TOPIK before entering or during studying at KAIST.
  ※ Applies to students entering KAIST in 2013 and thereafter

9. Minor and Double Major
  ◦ Minor: at least 18 credits outside major (according to the article 81 of Academic Policies and Regulations)
   - The departmental requirements vary. Please refer to the requirements of interest for course completion.
  ◦ Double Major

General			Basic		Major	Double Major	Research	Total
Mandatory	Elective in Humanities&Socal Sciences	Sub-total	Mandatory	Elective				
6 +(9AU)	12 or above (without considering divisions)	18 or above	23	3 or 6 above	refer to the requirements for each	40 including mandatory major courses	0	130 or above

  - In the case of Mandatory General Course and Mandatory Basic Course, refer to the course completion requirements by year of admission.
  - In the case of Elective General Courses in Humanities & Social Sciences, students admitted to KAIST between 2007 and 2010 should take at least 6 credits through lectures in English.
  ◦ In the event that major courses and double-major/minor courses overlap(that is to say, such cases stipulated in department's course requirements, or designated as a substitute subject in the course curriculum), up to 9 credits can be applied to both courses of study.
  ◦ Completion of minor and double major courses is based on the requirements of the admission year or the time of application.

◦ In case of completing minor and double major courses, the credits taken for minor and double major are included into the ones for graduation (credits of General Elective Course among 130 credits).

10. 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 general course 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.

11. Leadership Mileage
◦ This system has been offered from 2007 for the undergraduate students so that they can grow as wholesome human beings with knowledge-creating leadership and serve as leaders in the community.
◦ A fixed amount of mileage is given for leadership activities as humanity/leadership course attendance, on/off campus volunteer activities, physical training and leadership experience.
◦ A certificate of silver(over 200 mileage), gold(over 250 mileage), platinum(over 300 mileage), diamond(over 350 mileage) grade is granted according to the mileage amount.

12. Undergraduate Research Participation (URP) program courses
◦ To expand undergraduate students' opportunities for participation in research and to foster creative and outstanding experts through a wealth of research experience, URP program courses will be offered from spring 2007.
◦ Courses

Course No.	Code	Course Name	Lec: lab: credits	Semesters	Remarks
URP495	08.495	URP (A) (Undergraduate Research Participation)	0:6:3	Spring, fall	- **Cannot substitute for graduation research** (although the credits for this course are recognized as research credits, graduation requirements follow those for each department) - Eligibility · Students in the first semester of their third year or an earlier stage in the undergraduate program conducting individual research for independent study · Students conducting team research for independent study
URP490	08.490	URP (B) (Undergraduate Research Participation)	0:6:3	Spring, fall	- **Can substitute for graduation research** - Eligibility · Students in the second semester of their third year or a later stage in the undergraduate program conducting individual research for independent study

※ URP courses will be offered in spring and fall semesters, and the research period is 6 months (summer semester + regular semester).
※ Only students who submit final reports may receive S/U grades from their advisors.
※ Students may register for URP program courses up to a maximum of twice (maximum credits: a total of 6 credits, consisting of 3 credits each).

13. National/International Internship Program
  ◦ The program has been offered from Spring 2008 to give students chances to grow social skills by adding field ability to theoretical learning
  ◦ Department in charge: Office of Student Life (Leadership Center)
  ◦ Application: Undergraduate students who are recommended by the advisor and the internship professor (students in their leave of absence can also apply)
  ◦ Grades and evaluation : S or U is given as grade. Students are evaluated for grades and graduation research substitution according to their final report and the evaluation sheet made by the company(Undeclared students and sophomores are not able to substitute graduation research)
  ◦ Credits

Course No.	Course Name	Credits	Internship Period	Available Semester	Graduation Research Substitution
INT483	National Internship Program(Graduation Research) I	1	Over 4 weeks	Summer /Winter	Available with 2 additional credits of Individual Study
INT484	National Internship Program(Graduation Research) II	2	Over 6 weeks	Summer /Winter	Available with 1 additional credits of Individual Study
INT485	National Internship Program(Graduation Research) III	3	Over 9 weeks	Summer	Available
INT493	National Internship Progam I	1	Over 4 weeks	Summer /Winter	Not Available
INT494	National Internship Program II	2	Over 6 weeks	Summer /Winter	Not Available
INT495	National Internship Program III	3	Over 9 weeks	Summer /Winter	Not Available
INT498	International Internship Program I	3	Over 9 weeks	Summer /Winter	Not Available
INT499	International Internship Program II	12	Over 14 weeks	Spring/Fall	Not Available, 6 credits are recognized as credits for graduation
INT488	International Internship Program (Graduation Research) I	3	Over 9 week	Summer /Winter	Available
INT489	International Internship Program (Graduation Research) II	12	Over 14 weeks	Spring/Fall	Available, 6 credits are recognized as credits for graduation(including 3 credits of Graduation Research)

  ※ The maximum credit available for domestic internship is 6 credits.

14. Advanced Placement (Article 31, Paragraph 2 of the Guidelines on Curriculum Management)
  ◦ Credits and grades earned from AP courses at Korea Science Academy (KSA) and Seoul Science High School are recognized as those acquired at KAIST
  ◦ Grade conversion standard
    A. Korea Science Academy: If the grade is C$^+$ or above, choose one among below (applicable to students entering KAIST in 2010 and thereafter)
      - being marked as the grade earned from AP courses at KSA in the academic record and included in GPA
      - being marked as S in the academic record and excluded in GPA
      ※ For students entering KAIST in and before 2009, credits and grades earned from AP courses at Korea Science Academy (KSA) are recognized as those acquired at KAIST, being marked as they are in the

academic record and included in GPA.

  B. Seoul Science High School: If the grade is B0 or above, it is marked as S in the academic record and excluded in GPA.

◦ If a student applies for credit recognition of an AP course that is a mandatory basic course or a basic elective, the student is exempt from completion of the corresponding basic course.

◦ Application method: Applicants are requested to fill in the application form for recognition of AP credits and submit the application along with one original copy of their student report to the Academic Registrar's Team.

◦ Application period: Within the very first semester following admission; until the official end of the Spring semester (Note: Recognition of AP courses is not allowed once the application period is over, so make sure to apply for course recognition within the application period.)

◦ Credit recognition table for AP credits earned at KSA:

No.	Korea Science Academy Course			KAIST Course			
	Course Name	Course No.	Credit	Course Name	Course No.	Credit	Course Class.
1	Calculus II	KSA100	4	Calculus 1	MAS101	3	Mandatory Basic
2	Calculus III	KSA101	4	Calculus II	MAS102	3	Mandatory Basic
3	Linear Algebra	KSA102	3	Introduction to Linear Algebra	MAS109	3	Elective Basic
4	Differential Equations	KSA103	3	Differential Equations and Applications	MAS201	3	Elective Basic
5	General Physics I	KSA104	4	General Physics I	PH141	3	Mandatory Basic
6	General Physics Lab I	KSA105	1	General Physics Lab. I	PH151	1	Mandatory Basic
7	General Physics II	KSA106	4	General Physics II	PH142	3	Mandatory Basic
8	General Physics Lab II	KSA107	1	General Physics Lab. II	PH152	1	Elective Basic
9	General Chemistry I	KSA108	4	General Chemistry I	CH101	3	Mandatory Basic
10	General Chemistry Lab I	KSA109	1	General Chemistry Experiment I	CH102	1	Mandatory Basic
11	General Chemistry II	KSA110	4	General Chemistry II	CH103	3	Elective Basic
12	General Chemistry Lab II	KSA111	1	General Chemistry Experiment II	CH104	1	Elective Basic
13	General Biology I	KSA112	4	General Biology	BS120	3	Mandatory Basic
14	General Biology II	KSA114	4			1	Elective
15	General Biology Lab I	KSA113	1			1	Elective
16	General Biology II	KSA115	1			1	Elective
17	General Earth Science	KSA116	3			3	Elective
18	General Earth Science Lab	KSA117	1			1	Elective
19	General Astronomy	KSA118	3			3	Elective
20	General Astronomy Lab	KSA119	1			1	Elective

No.	Korea Science Academy Course			KAIST Course			
	Course Name	Course No.	Credit	Course Name	Course No.	Credit	Course Class.
21	Programming	KSA120	3	Introduction to Programming	CS101	3	Mandatory Basic
22	Elementary Number Theory	KSA121	3	Introduction to Number Theory	MAS210	3	Elective Major
23	DNA Science	KSA122	3	Molecular and Cellular Biology	BiS222	3	Mandatory Major
24	Molecular Biology	KSA123	3				
25	Discrete Structure	KSA124	3	Discrete Mathematics	CS204	3	Mandatory Major
26	Probability & Statistics	KSA125	3	Probability & Statistics	MAS250	3	Elective Basic

※ If a student has completed two courses (i.e. "DNA Science" and "Molecular Biology") at KSA, credits earned from both courses are recognized, provided that only one KAIST course of BiS222 (Molecular and Cellular Biology) is to be recognized as a corresponding course. If he or she has taken only one of the two courses at KSA, the course is to be recognized as a free elective.

◦ Credit recognition table for AP credits earned at Seoul Science High School:

Seoul Science High School Course		KAIST Course				
Course Name	Credit	Course Name	Course No.	Computer Code	Credit	Course Class.
General Physics I	3	General Physics I	PH141	20.141	3	Mandatory Basic
General Physics II	3	General Physics II	PH142	20.142	3	Mandatory Basic
General Physics Lab I	1	General Physics Lab. I	PH151	20.151	1	Mandatory Basic
General Physics Lab II	1	General Physics Lab. II	PH152	20.152	1	Elective Basic
Calculus I	3	Calculus I	MAS101	25.101	3	Mandatory Basic
Calculus II	3	Calculus II	MAS102	25.102	3	Mandatory Basic
Linear Algebra	3	Introduction to Linear Algebra	MAS109	25.109	3	Elective Basic
General Chemistry I	3	General Chemistry I	CH101	23.101	3	Mandatory Basic
General Chemistry II	3	General Chemistry II	CH103	23.103	3	Elective Basic
General Chemistry Lab I	1	General Chemistry Experiment I	CH102	23.102	1	Mandatory Basic
General Chemistry Lab II	1	General Chemistry Experiment II	CH104	23.104	1	Elective Basic
General Biology I	3	General Biology	BS120	21.120	3	Mandatory Basic
General Biology II	3	-	SSH114	09.214	3	Elective
General Biology Lab. I	1	-	SSH113	09.213	1	Elective
General Biology Lab. II	1	-	SSH115	09.215	1	Elective
Programming	3	Introduction to Programming	CS101	36.101	3	Mandatory Basic

※ When entering grade of AP subjects from Seoul Science High School, subject name will be substituted with corresponding KAIST course name.

15. University-level program(UP)

◦ High school – university bridge program allowing high school students to learn university-level curriculum during vacation at universities agreed to provide University-level Program(UP). When students enters university, credits acquired through UP can be recognized as credits acquired at universities.

※ List of universities agreed to provide UP (26 universities)

KAIST, Seoul National University, Yonsei University, Kangnam University, Kangwon National University, Gyeongsang National University, Kyunghee University, Kwangju Women's University, Dong-A University, Mokpo Natoinal University, Pukyong National University, Pusan National University, Seoul Women's University, Sungkyunkwan University, Sookmyung Women's University, Sunchon National University, Youngdong University, Eulji University, Ewha Womans University, University of Inchon, Chonnam National University, Chonbuk National University, Jeju National University, Chungnam National University, Chungbuk National University, Hanyang University

◦ Credit recognition standard

- If students who completed UP subjects enter KAIST, credit acquired from UP subjects will be recognized as credit acquired from undergraduate course.
- Credit will be recognized upon students' request only if acquired grade is B0 or above.
- Request should be made within 5 years of the completion of subjects, and within the first semester of studying in KAIST. (request can be made at Academic Registrar's Team)
- Grades acquired from UP subjects will be recorded as it is and will be included as total credits, but will not be included in calculation of GPA.
- Students can't retake subjects credited by UP.

◦ List of UP subjects recognized by KAIST

UP Course			KAIST Course			
Course Name	Course No.	Credit	Course Name	Course No.	Credit	Course Class.
Calculus I	UP101	3	Calculus I	MAS101	3	Mandatory Basic
Calculus II	UP102	3	Calculus II	MAS102	3	Mandatory Basic
General Physics I	UP103	3	General Physics I	PH141	3	Mandatory Basic
General Physics II	UP101	3	General Physics II	PH142	3	Mandatory Basic
General Physics Lab. I	UP105	1	General Physics Lab. I	PH151	1	Mandatory Basic
General Physics Lab. II	UP106	1	General Physics Lab. II	PH152	1	Elective Basic
General Chemistry I	UP107	3	General Chemistry I	CH101	3	Mandatory Basic
General Chemistry II	UP108	3	General Chemistry II	CH103	3	Elective Basic
General Chemistry Lab. I	UP109	1	General Chemistry Experiment I	CH102	1	Mandatory Basic
General Chemistry Lab. II	UP110	1	General Chemistry Experiment II	CH104	1	Elective Basic
General Biology I	UP101	3	General Biology	BS120	3	Mandatory Basic
General Biology II	UP101	3	-		3	Elective
General Biology Lab. I	UP101	3	-		3	Elective
General Biology Lab. II	UP101	1	-		1	Elective
History of Science	UP115	3	History of Science	HSS100	3	Elective General Courses in

UP Course			KAIST Course			
Course Name	Course No.	Credit	Course Name	Course No.	Credit	Course Class.
						Humanities & Social Sicence
Environmental Science	UP116	3	-		3	Elective
Writing	UP117	3	-		3	Elective
English Writing	UP118	3	-		3	Elective
Computer Science	UP119	3	-		3	Elective

16. Honor Program (Article 16, Paragraph 2 of the Guidelines on Curriculum Management)

◦ The Honor Program defines undergraduate students with certain qualifications as "honor students" to honor their excellence and allows them to complete master's and doctor's courses during their undergraduate years.

◦ As for undergraduate students who have completed six or less semesters, have earned 81 or more credits as of the last semester and have recorded 3.7 or a higher GPA, they are referred to as "honor students" based on the recommendations from their research advisors and the heads of their respective departments.

◦ Benefits

- Students can attend the subjects in the masters or doctoral curriculum by getting approval from the professor lecturing the subject. Acquired credit will be recognized as described below, but if department of belonging defined major subjects (mandatory major, elective major) to be completed, follow the rules defined by department.

  * Credits acquired from mandatory major and elective subjects of masters or doctoral curriculum from department of belonging will be recognized as elective major credit of undergraduate course.

  * Credits acquired from masters or doctoral subjects that does not apply the above will be recognized as elective.

- Credits that the students have earned from master's or doctor's courses during their undergraduate years may be recognized as master's credits by applying for credit recognition within one year following their enrollment into the master's program, provided that their final GPA upon college graduation exceeds 3.7.

◦ Application method: During the registration period of each semester, Honor Program applicants are requested to submit their application form and academic record to the Academic Registrar's Team—via the offices of their respective departments or majors—with letters of recommendation from their research advisors and the heads of their departments/majors enclosed.

17. Bridge Program

◦ To help students from foreign high schools and foreign students to complete regular curriculum by understanding basic courses, preliminary basic courses will be opened. This is also online credit recognition program subjects for pre-freshmen (admitted students) to help them on regular subjects (General Physics, Calculus, General Chemistry, etc.).

◦ Online Bridge Program provides chance of acquiring credits and experience of actual university class, increasing adaptability of students to the university.

◦ Courses

Course Classification	Course No.	Course Name	Lec.:Lab.:Credit	Opening semester
General Elective	PH101	College Physics	3:1:3	Fall
General Elective	MAS100	College Mathematics	3:1:3	Fall
General Elective	CH107	College Chemistry	3:0:3	Fall

◦ Starting Points: Fall 2009

18. 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.

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* 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.