

## □ 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. General Courses Requirements: At least 28 credits and 9AU

Applicable to students entering KAIST in 2014 and thereafter; for those who have entered KAIST in 2013 and before, refer to the Course Completion Requirements by Admission Year

- Mandatory General Courses

Admission Year	Credits	Required Courses
In 2014 and thereafter	7 credits and 9AU	English Presentation & Discussion(1), Advanced English Listening(1), Advanced English Reading(1), Advanced English Writing(1), Writing(3), Physical Education(4AU), Humanity/Leadership(2AU), Ethics and Safety II(1AU), Happy College Life(1AU), Exciting College Life(1AU)
Between 2011 and 2013	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) * English Communication → Intermediate English Speaking & Listening * Critical Thinking in English → Intermediate English Reading & Writing
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) * English Communication → Intermediate English Speaking & Listening * Critical Thinking in English → Intermediate English Reading & Writing
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 → Intermediate English Speaking & Listening * English Communication II → English Presentation & Discussion * English Reading & Writing → Intermediate English Reading & Writing
2006 or before	7 credits and 9AU	English I(2), English II(2), Writing(3), Physical Education(4AU), Community Service(4AU), Ethics and Safety II(1AU) * English I → Intermediate English Speaking & Listening * English II → Intermediate English Reading & Writing

- ① English: 4 credits (applicable to students entering KAIST in 2014 and thereafter; for those who have entered KAIST in 2013 and before, refer to the Course Completion Requirements by Year of Admission)

- According to the score of English Proficiency Test (TOEFLE) or mock TOEFLE administered by KAIST for incoming freshmen, students will be exempted from taking the required English classes and their test score will be transferred into credits as follows.

Score	Class Exemption and Credit Transfer	Grade
22 or higher in Speaking	English Presentation & Discussion (1 credit)	S
22 or higher in Listening	Advanced English Listening (1 credit)	S
22 or higher in Writing	Advanced English Writing (1 credit)	S
22 or higher in Reading	Advanced English Reading (1 credit)	S

※ Criteria for **Taking** English Course

Level	TOEFL iBT scores	Subject (credit)	Hours	Classification	Remark
Exemption	22-30	-(4)	-	-	-
Advanced	Speaking 19-21	English Presentation & Discussion (1)	2	Required	Prerequisite: Students should meet either of the following two criteria: 1. TOEFL score 2. Completion of Intermediate English Speaking & Listening courses
	Listening 19-21	Advanced English Listening (1)	2	Required	Prerequisite: Students should meet either of the following two criteria: 1. TOEFL score 2. Completion of Intermediate English Speaking & Listening courses
	Writing 19-21	Advanced English Writing (1)	2	Required	Prerequisite: Students should meet either of the following two criteria: 1. TOEFL score 2. Completion of

Level	TOEFL iBT scores	Subject (credit)	Hours	Classification	Remark
					Intermediate English Reading & Writing courses
	Reading 19-21	Advanced English Reading (1)	2	Required	Prerequisite: Students should meet either of the following two criteria: 1. TOEFL score 2. Completion of Intermediate English Reading & Writing course
Intermediate	Speaking or listening 15-18	Intermediate English Speaking & Listening (2)	3	Elective	Prerequisite: Students should meet either of the following two criteria: 1. TOEFL score 2. Completion of English Camp
	Writing or reading 15-18	Intermediate English Reading & Writing (2)	3	Elective	Prerequisite: Students should meet either of the following two criteria: 1. TOEFL score 2. Completion of English Camp
Remedial	Speaking and listening below 14	Basic English Conversation (0)	-	Academic English Camp (Pre-admission Program)	
	Or	TOEFL (0)			
	Reading and writing below 14	Basic English Reading (0)			

Level	TOEFL iBT scores	Subject (credit)	Hours	Classification	Remark
		Basic English Writing (0)			
		Basic English Grammar (0)			
		Basic English Speaking & Listening (0)	3	-	
		Basic English Reading & Writing (0)	3	-	

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

Admission Year	Requirement
2013 and thereafter	Students whose mother tongue is English or students who graduated from a high school where English is the primary language will be exempted from required English courses and will be graded with an 'S' .
Between 2011 and 2012	Students who completed the high school curriculum where English is the primary language will be exempted from required English courses and will be graded with an 'S' .
Before 2010	International students who completed the entire high school curriculum where English is the primary language will be exempted from required English courses and will be graded with an 'S'

Admission Year	Requirement

② Writing: 3 credits(Not applicable to International Students)

- 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 only once during the undergraduate course)

Level	Credit Recognition and Prerequisite
A	To be exempted from Writing course and graded with an "S"
B	Required to take 1 of the Writing courses
C	Required to take 1 of the Writing courses after taking 'Fundamentals of Writing' course.

※ Writing classes: Logical Writing, Critical Writing, Practical Writing, Creative Writing

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 **club** 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

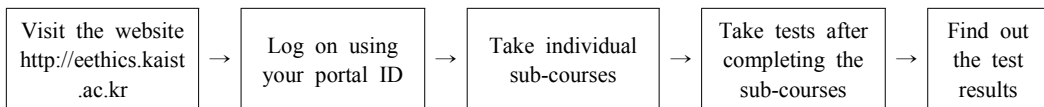
⑥ Ethics and Satey II : 1AU(applicable to all of the students presently studying at KAIST. not counted for GPA but required for graduation.)

- Ethics and Safety II(HSS070/10.179) includes Research Ethics, Lab Safety, Human Rights & Sexual Morality 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
- Taking the course: From the 2015 freshmen, Ethics and Safety II is a basic course offered during the first semester. Please log in at <http://eethics.kaist.ac.kr> for course registration. However, in the case of the 2014 freshmen, please log in at <http://eethics.kaist.ac.kr> for registration.

- Students must score 80 or higher in all of the 4 subjects (Research Ethics, Lab Safety, Sexual Violence & Sexual Harassment, and Leadership) However, in the cases of Human Right and Sexual Ethics, students will be evaluated on whether they completed the course or not.

\*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



\* 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

- Students are required to take at least 21 credits with a minimum requirement of at least 1 course of each of the following 2 among 3 categories: Humanity, Society, and Literature and Arts; the rest can be chosen regardless of the category. (Applicable to students who entered KAIST in 2009 and thereafter; for those who have entered KAIST in 2008 and before, refer to the General Course Requirements by Admission Year on page 27)
- Students who entered KAIST between 2007 and 2010 should take at least 9 credits through lectures offered in English among the 21 credits required by Elective General Courses in Humanities & Social Sciences.
- Students having a double major should take 12 credits without requirements in categories as stated above. (Students who entered KAIST between 2007 and 2010 should take 6 credits through lectures offered in English.)
- ※ The requirement of taking lectures offered in English among Elective General Courses in Humanities & Social Sciences is not applicable to students who entered KAIST in 2011 or thereafter.

### ■ Mandatory General course requirements for International Students in the undergraduate program

- A. Required **English** Courses (Total 4 credits)

Classification	Course No.	Course Name	Credit
Mandatory General	HSS022	English Presentation & Discussion	1
	HSS023	Advanced English Listening	1
	HSS024	Advanced English Writing	1
	HSS025	Advanced English Reading	1

※ Refer to Criteria for Taking English Courses on page 12~13.

※ Students whose mother tongue is English or students who graduated from a high school where English is the primary language are exempted from taking Required English Courses and will be graded with an 'S' grade (pass). (Applicable to students who entered KAIST in 2013 and thereafter)

※ Students who graduated from a high school in an English-speaking country are exempted from taking Required English Courses and will be graded with an 'S' grade (pass). (Applicable to students who entered KAIST in 1998 and thereafter)

#### B. Required **Korean Language** Courses (Total 6 credits)

Classification	Course No.	Course Name	Credit
Mandatory General	HSS006	Basic Korean I for Foreign Students	3
Elective General	HSS193	Basic Korean II for Foreign Students	3

#### C. **AU** Courses Requirement

International students must complete mandatory AU courses (Total 9AU: Physical Education 4AU, Humanity/Leadership 2AU, Ethics and Safety II 1AU, Happy College Life 1AU, Exciting College Life 1AU. However, Humanity/Leadership may be substituted by Cultural Experience (applicable to students who enter KAIST 2011 in or after).

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

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

### 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))
- o 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.)

- o Please be sure to take 3 credits for graduate research (However, students having a double major are exempt)
- o 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**

- o 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.
- o 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 TOEFL	PBT TOEFL	CBT TOEFL	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 TOEFL	PBT TOEFL	CBT TOEFL	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 TOEFL	PBT TOEFL	CBT TOEFL	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&Social Sciences	Sub-total	Mandatory	Elective				
7 +(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	<ul style="list-style-type: none"> <li>- <b>Cannot substitute for graduation research</b> (although the credits for this course are recognized as research credits, graduation requirements follow those for each department)</li> <li>- Eligibility                             <ul style="list-style-type: none"> <li>· Students in the first semester of their third year or an earlier stage in the undergraduate program conducting individual research for independent study</li> <li>· Students conducting team research for independent study</li> </ul> </li> </ul>
URP490	08.490	URP (B) (Undergraduate Research Participation)	0:6:3	Spring, fall	<ul style="list-style-type: none"> <li>- <b>Can substitute for graduation research</b></li> <li>- Eligibility                             <ul style="list-style-type: none"> <li>· Students in the second semester of their third year or a later stage in the undergraduate program conducting individual research for independent study</li> </ul> </li> </ul>

※ 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

Course No.	Course Name	Credits	Internship Period	Available Semester	Graduation Research Substitution
	Research) II				Individual Study
INT485	National Internship Program(Graduation Research)III	3	Over 9 weeks	Summer	Available
INT486	Domestic Internship Program IV (Graduation Research)	12	over 16 weeks	Spring/Fall	12 credits are recognized (minimum for course registration per semester), and 6 credits are recognized for graduation. (including 3 credits for graduation research) 12 credits are recognized (minimum for course registration per semester), and 6 credits are recognized for graduation (including 3 credits for graduation research)
INT493	National Internship Program 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
INT496	Domestic Internship Program IV	12	Over 16 weeks	Spring/Fall	12 credits are recognized (minimum for course registration per semester), and 6 credits are recognized for graduation (including 3 credits for graduation research)
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.

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

D. Daegu Science High School: Applicable to individual students' criteria according to subjects

- 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:

Korea Science Academy Course			KAIST Course		
Course Name	Credit	Remark	Course Name	Credit	Course Class.
Calculus II	5	4 Credits by 2013	Calculus 1	3	Mandatory Basic
Advanced Calculus II	5	4 Credits by 2013			
Calculus III	3	4 Credits by 2013	Calculus II	3	Mandatory Basic
Advanced Calculus III	3	4 Credits by 2013			
Linear Algebra	3		Introduction to Linear Algebra	3	Elective Basic
Differential Equations	3		Differential Equations and Applications	3	Elective Basic
General Physics I	4		General Physics I	3	Mandatory Basic
General Physics Lab I	1		General Physics Lab. I	1	Mandatory Basic
General Physics II	4		General Physics II	3	Mandatory Basic
General Physics Lab II	1		General Physics Lab. II	1	Elective Basic
General Chemistry I	4		General Chemistry I	3	Mandatory Basic
General Chemistry Lab I	1		General Chemistry Experiment I	1	Mandatory Basic
General Chemistry II	4		General Chemistry II	3	Elective Basic
General Chemistry Lab II	1		General Chemistry Experiment II	1	Elective Basic
General Biology I	4		General Biology	3	Mandatory Basic
General Biology II	4			1	Elective
General Biology Lab I	1	"General Biology Lab I" by		1	Elective

Korea Science Academy Course			KAIST Course		
Course Name	Credit	Remark	Course Name	Credit	Course Class.
		2013			
General Biology II	1	To be recognized when taking the course before 2013		1	Elective
General Earth Science	3			3	Elective
General Earth Science Lab	1			1	Elective
General Astronomy	3			3	Elective
General Astronomy Lab	1			1	Elective
Programming	3		Introduction to Programming	3	Mandatory Basic
Elementary Number Theory	3		Introduction to Number Theory	3	Elective Major
DNA Science	3				
Molecular Biology	3	To be recognized when taking the course before 2013	Molecular and Cellular Biology	3	Mandatory Major
Discrete Structure	3		Discrete Mathematics	3	Mandatory Major
Probability & Statistics	3		Probability & Statistics	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

Seoul Science High School Course		KAIST Course				
Course Name	Credit	Course Name	Course No.	Computer Code	Credit	Course Class.
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.

○ Credit Corresponding Table for Pre-Completed Course at Kyonggi Science High School

Serial No.	Subjects at Kyonggi Science High School		Corresponding Subject and Credit Recognition at KAIST			
	Subject	Credit	Subject	Subject Number	Credit	Classification
1	General Physics I	3	General Physics I	PH141	3	Mandatory Basic
2	General Physics II	3	General Physics II	PH142	3	Mandatory Basic
3	General Physics Lab I	1	General Physics Lab I	PH151	1	Mandatory Basic
4	General Physics II	1	General Physics Lab II	PH152	1	Elective Basic
5	Calculus I	3	Calculus I	MAS101	3	Mandatory Basic
6	Calculus II	3	Calculus II	MAS102	3	Mandatory Basic
7	Linear Algebra I	3	Introduction to Linear Algebra	MAS109	3	Elective Basic
8	Linear Algebra II	3				
9	General Chemistry I	3	General Chemistry I	CH101	3	Mandatory Basic
10	General Chemistry II	3	General Chemistry II	CH103	3	Elective Basic
11	General Chemistry Lab I	1	General Chemistry Lab I	CH102	1	Mandatory Basic
12	General Chemistry Lab II	1	General Chemistry Lab II	CH104	1	Elective Basic
13	General Biology I	3	General Biology	BS120	3	Mandatory Basic
14	General Biology II	3	-	-	3	Elective
15	General Biology Lab I	1	-	-	1	Elective
16	General Biology Lab II		-	-	1	Elective
17	Computer Programming I	2	Basic Programming	CS101	3	Mandatory Basic
18	Computer Programming II	2				
19	Basic Programming	3	Basic Programming	CS101	3	Mandatory Basic

※ When a student from Kyonggi Science High School has completed the computer programming I

and II, Object-Oriented Programming, the credits will be recognized as follows.

- ① Completion of both Computer Programming I and II will be recognized as taking CS101 Basic Programming (3 credits)
- ② Completion of Object-Oriented Programming will be recognized as taking CS101 Basic Programming (3 credits)

※ Programming Language, Introduction to Computer Science (Computer Programming I & II from 2011) will not be recognized as CS101 Basic Programming

\* Kyonggi Science High School: If the grade is B0 or above, it is marked as S in the academic record and excluded in GPA

- Credit Corresponding Table for Pre-Completed Course at Daegu Science High School

AP Subjects at Daegu Science High School	AP Class Semester	Criteria for Credit Recognition	KAIST Corresponding Subjects	
			Subject	Subject No
Calculus II	1st, 2nd Semester	B0 or higher of Daegu High School GPA	Calculus II	MAS102
General Physics I	1st	B0 or higher of Daegu High School GPA and 78 or higher of KAIST Credit Recognition Test(S)	General Physics I	PH141
General Physics II	2nd		General Physics II	PH142
General Chemistry Lab I	1st	B0 or higher (S)	General Chemistry Lab I	PH151
General Chemistry Lab II	2nd	B0 or higher (S)	General Chemistry Lab II	PH152
General Chemistry I	1st	B+ or higher(S)	General Chemistry I	CH101
General Chemistry II	2nd	A- or higher(S)	General Chemistry II	CH103
General Biology I	1st	B- or higher (S) and I&II all taking	General Biology	BS120
General Biology II	2nd			

※ Applicable to the 2014 spring semester freshmen. However, in the case of Daegu Science High School, subjects taken after 2013 will be corresponding for credit transfer.

## 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 that 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, Suncheon National University, Youngdong University, Eulji University, Ewha Womans University, University of Incheon, 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 Humanities & Social Science
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.

#### \* 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.