

Course Requirements for BTM Undergraduate Program

updated 07/01/2023

Admission Year	General			Basic			Major			Research		Elective	Total
	Mandatory	Elective in Humanities and SC	Total	Mandatory	Elective	Total	Mandatory	Elective	Total	Mandatory			
2023	7, 4AU	12 (Including one core course -3 Credits)	19 4AU	23	3	26	9	at least 39	at least 48	3 (Practicum Project, Internship, B.S. Thesis Research) choose one	1 S&T Biz Colloquium	Double Major Credits (at least 40)	at least 138 Credits
2022	7, 8AU	12 (Including one core course -3 Credits)	19 8AU	23	3	26	9	at least 39	at least 48	3 (Practicum Project, Internship, B.S. Thesis Research) choose one	1 S&T Biz Colloquium	Double Major Credits (at least 40)	at least 136 Credits
2018~2021	7, 8AU	12 (Without Considering Divisions)	19 8AU	23	3	26	9	at least 39	at least 48	3 (Practicum Project, Internship, B.S. Thesis Research) choose one	1 S&T Biz Colloquium	Double Major Credits (at least 40)	at least 136 Credits
2016~2017	7, 9AU	12 (Without Considering Divisions)	19 9AU	23	3	26	9	at least 39	at least 48	3 (Practicum Project, Internship, B.S. Thesis Research) choose one	1 S&T Biz Colloquium	Double Major Credits (at least 40)	at least 136 Credits

2014~ 2015	7, 9AU	12 (Without Conside ring Divisions)	19 9AU	23	3	26	9	at least 33	at least 42	3 (Practicum Project, Internship, B.S. Thesis Research) choose one	1 S&T Biz Colloquium	Double Major Credits (at least 40)	at least 130 Credits
2013	6, 9AU	12 (Without Conside ring Divisions)	18 9AU	23	3	26	9	at least 33	at least 42	3 (Practicum Project, Internship, B.S. Thesis Research) choose one	1 S&T Biz Colloquium	Double Major Credits (at least 40)	at least 130 Credits

※ [Undergraduate students in the School of Business and Technology Management must complete double major in other natural science or engineering departments.](#) (College of Natural Sciences, College of Life Science & Bioengineering, College of Engineering, etc.)

※ A cumulative grade point average of 2.0 or higher out of a possible 4.3 in all coursework.

● Requirements for students admitted in 2023 and thereafter

Classification	Requirement	Details
General Course (19+4AU)	Mandatory General Course (7, 4AU)	<ul style="list-style-type: none"> - English Presentation & Discussion(1), Advanced English Listening(1), Advanced English Reading(1), Advanced English Writing(1), *Writing(3) - Humanity/Leadership(2AU: 32hours), Happy College Life(1AU), Exciting College Life(1AU) <p>* International students are exempted from taking writing courses</p> <p>* International students must take both HSS151 Korean 3 for undergraduate international students(3) and HSS152 Korean 4 for undergraduate international students(3)</p> <ul style="list-style-type: none"> - Ethics and Safety(Non-Credit) <p style="padding-left: 40px;">(In principle) Complete before the beginning day of the first semester of enrollment</p> <p style="padding-left: 40px;">(Recommended) Complete before the start of the course registration period for the first semester of enrollment</p>
	Elective General Course in Humanities & Social Science(12)	Students having a double major should take at least 12 credits including at least 1 core course (3 credits).
Basic Course (26)	Mandatory Basic Course (23)	<ul style="list-style-type: none"> 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)
	Elective Basic Course (3)	※ Students having a double major take at least 3 or 6 credits.
Major Course (at least 48)	Mandatory Major Course(9)	BTM200 Introduction to Business Management, BTM204 Technology Management, BTM351 High Tech Venturing
	Elective Major Course (at least 39)	Elective Major I : At least 15 credits Elective Major II : At least 18 credits Elective Major III : At least 6 credits * Multidisciplinary Capstone Design (CD401 Multidisciplinary Capstone Design I, CD402 Multidisciplinary Capstone Design II) is recognized as Elective Major II up to 3 credits.
Research Course (4)	Mandatory(4)	Select one from Practicum Project(3), Internship(3), B.S. Thesis Research(3)
		S&T Biz Colloquium(1) * International students can substitute BTM495 Individual Study (1) for S&T Biz

		Colloquium.
Elective Course	Double major credits	
Total	at least 138 credits	

● Requirements for students admitted in 2022

Classification	Requirement	Details
General Course (19+8AU)	Mandatory General Course (7, 8AU)	<ul style="list-style-type: none"> - English Presentation & Discussion(1), Advanced English Listening(1), Advanced English Reading(1), Advanced English Writing(1), *Writing(3) - Physical Education(4AU), Humanity/Leadership(2AU: 32hours), Happy College Life(1AU), Exciting College Life(1AU) * International students are exempted from taking writing courses * International students must take both <u>HSS151 Korean 3 for undergraduate international students(3)</u> and <u>HSS152 Korean 4 for undergraduate international students(3)</u> * Ethics and Safety(Non-Credit) (In principle) Complete before the beginning day of the first semester of enrollment (Recommended) Complete before the start of the course registration period for the first semester of enrollment
	Elective General Course in Humanities & Social Science(12)	Students having a double major should take at least 12 credits including at least 1 core course (3 credits).
Basic Course (26)	Mandatory Basic Course (23)	<ul style="list-style-type: none"> 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)
	Elective Basic Course (3)	※ Students having a double major take at least 3 or 6 credits.
Major Course (at least 48)	Mandatory Major Course(9)	MSB200 Introduction to Business Management, MSB204 Technology Management, MSB351 High Tech Venturing
	Elective Major Course (at least 39)	Elective Major I : At least 15 credits Elective Major II : At least 18 credits Elective Major III : At least 6 credits * Multidisciplinary Capstone Design (CD401 Multidisciplinary Capstone Design I,

		CD402 Multidisciplinary Capstone Design II) is recognized as Elective Major II up to 3 credits.
Research Course (4)	Mandatory(4)	Select one from Practicum Project(3), Internship(3), B.S. Thesis Research(3) S&T Biz Colloquium(1) * International students can substitute MSB495 Individual Study (1) for S&T Biz Colloquium.
Elective Course	Double major credits	
Total	at least 136 credits	

● Requirements for students admitted in 2020~2021

Classification	Requirement	Details
General Course (19+8AU)	Mandatory General Course (7, 8AU)	<ul style="list-style-type: none"> - English Presentation & Discussion(1), Advanced English Listening(1), Advanced English Reading(1), Advanced English Writing(1), *Writing(3) - Physical Education(4AU), Humanity/Leadership(2AU: 32hours), Happy College Life(1AU), Exciting College Life(1AU) <p>* International students are exempted from taking writing courses</p> <p>* International students must take both HSS151 Korean 3 for undergraduate international students(3) and HSS152 Korean 4 for undergraduate international students(3)</p> <p>* Ethics and Safety(For students admitted in 2020) (In principle) Before the mid-term exam period of the first semester after enrollment (Recommended) Before the beginning of classes of the first semester after enrollment</p> <p>* Ethics and Safety(For students admitted in 2021) (In principle) Complete before the beginning day of the first semester of enrollment (Recommended) Complete before the start of the course registration period for the first semester of enrollment</p>
	Elective General Course in Humanities & Social Science(12)	<p>※ Students pursuing a double major take 12 credits without considering categories.</p>
Basic Course (26)	Mandatory Basic Course (23)	<ol style="list-style-type: none"> 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)

	Elective Basic Course (3)	※ Students having a double major take at least 3 or 6 credits.
Major Course (at least 48)	Mandatory Major Course(9)	MSB200 Introduction to Business Management, MSB204 Technology Management, MSB351 High Tech Venturing
	Elective Major Course (at least 39)	Elective Major I : At least 15 credits Elective Major II : At least 18 credits Elective Major III : At least 6 credits * Multidisciplinary Capstone Design (CD401 Multidisciplinary Capstone Design I, CD402 Multidisciplinary Capstone Design II) is recognized as Elective Major II up to 3 credits.
Research Course (4)	Mandatory(4)	Select one from Practicum Project(3), Internship(3), B.S. Thesis Research(3) S&T Biz Colloquium(1)
		* International students can substitute MSB495 Individual Study (1) for S&T Biz Colloquium.
Elective Course	Double major credits	
Total	at least 136 credits	

● Requirements for students admitted in 2019

Classification	Requirement	Details
General Course (19+8AU)	Mandatory General Course (7, 8AU)	<ul style="list-style-type: none"> - English Presentation & Discussion(1), Advanced English Listening(1), Advanced English Reading(1), Advanced English Writing(1), *Writing(3) - Physical Education(4AU), Humanity/Leadership(2AU: 32hours), Happy College Life(1AU), Exciting College Life(1AU) * International students are exempted from taking writing courses * International students admitted in Spring 2019 must take both <u>HSS006 Basic Korean I for Foreign Students(3)</u> and <u>HSS193 Basic Korean II for Foreign Students(3)</u> * International students admitted in Fall 2019 must take both <u>HSS151 Korean 3 for undergraduate international students(3)</u> and <u>HSS152 Korean 4 for undergraduate international students(3)</u> * Ethics and Safety(Non-Credit) (In principle) Within two semesters of enrollment (Recommended) In first semester of enrollment
	Elective General Course in Humanities & Social Science(12)	※ Students pursuing a double major take 12 credits without considering categories.
Basic Course (26)	Mandatory Basic Course (23)	<ul style="list-style-type: none"> 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)
	Elective Basic Course (3)	※ Students having a double major take at least 3 or 6 credits.
Major Course (at least 48)	Mandatory Major Course(9)	MSB200 Introduction to Business Management, MSB204 Technology Management, MSB351 High Tech Venturing
	Elective Major Course (at least 39)	Elective Major I : At least 15 credits Elective Major II : At least 18 credits Elective Major III : At least 6 credits * Multidisciplinary Capstone Design (CD401 Multidisciplinary Capstone Design I, CD402 Multidisciplinary Capstone Design II) is recognized as Elective Major II up to 3 credits.
Research Course (4)	Mandatory(4)	Select one from Practicum Project(3), Internship(3), B.S. Thesis Research(3) S&T Biz Colloquium(1)
		* International students can substitute MSB495 Individual Study (1) for S&T Biz Colloquium.
Elective Course	Double major credits	
Total	at least 136 credits	

● Requirements for students admitted in 2018

Classification	Requirement	Details
General Course (19+8AU)	Mandatory General Course (7, 8AU)	- English Presentation & Discussion(1), Advanced English Listening(1), Advanced English Reading(1), Advanced English Writing(1), Writing(3) - Physical Education(4AU), Humanity/Leadership(2AU: 32hours), Happy College Life(1AU), Exciting College Life(1AU) * International students are exempted from taking writing courses * International students must take both HSS006 Basic Korean I for Foreign Students(3) and HSS193 Basic Korean II for Foreign Students(3) * Ethics and Safety(Non-Credit) (In principle) Within two semesters of enrollment (Recommended) In first semester of enrollment
	Elective General Course in Humanities & Social Science(12)	※ Students pursuing a double major take 12 credits without considering categories.
Basic Course (26)	Mandatory Basic Course (23)	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)
	Elective Basic Course (3)	※ Students having a double major take at least 3 or 6 credits.
Major Course (at least 48)	Mandatory Major Course(9)	MSB200 Introduction to Business Management, MSB204 Technology Management, MSB351 High Tech Venturing
	Elective Major Course (at least 39)	Elective Major I : At least 15 credits Elective Major II : At least 18 credits Elective Major III : At least 6 credits
Research Course (4)	Mandatory(4)	Select one from Practicum Project(3), Internship(3), B.S. Thesis Research(3) S&T Biz Colloquium(1)
		* International students can substitute MSB495 Individual Study (1) for S&T Biz Colloquium.
Elective Course	Double major credits	
Total	at least 136 credits	

● Requirements for students admitted in 2016~2017

Classification	Requirement	Details
General Course (19+9AU)	Mandatory General Course (7, 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: 32hours), Ethics and Safety II (1AU), Happy College Life(1AU), Exciting College Life(1AU) * International students are exempted from taking writing courses * International students must take both HSS006 Basic Korean I for Foreign Students(3) and HSS193 Basic Korean II for Foreign Students(3)
	Elective General Course in Humanities & Social Science(12)	※ Students pursuing a double major take 12 credits without considering categories.
Basic Course (26)	Mandatory Basic Course (23)	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)
	Elective Basic Course (3)	※ Students having a double major take at least 3 or 6 credits.
Major Course (at least 48)	Mandatory Major Course(9)	MSB200 Introduction to Business Management, MSB204 Technology Management, MSB351 High Tech Venturing
	Elective Major Course (at least 39)	Elective Major I : At least 15 credits Elective Major II : At least 18 credits Elective Major III : At least 6 credits
Research Course (4)	Mandatory(4)	Select one from Practicum Project(3), Internship(3), B.S. Thesis Research(3) S&T Biz Colloquium(1)
		* International students can substitute MSB495 Individual Study (1) for S&T Biz Colloquium.
Elective Course	Double major credits	
Total	at least 136 credits	

● Requirements for students admitted in 2014~2015

Classification	Requirement	Details
General Course (19+9AU)	Mandatory General Course (7, 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: 32hours), Ethics and Safety II (1AU), Happy College Life(1AU), Exciting College Life(1AU) * International students are exempted from taking writing courses * International students must take both HSS006 Basic Korean I for Foreign Students(3) and HSS193 Basic Korean II for Foreign Students(3)
	Elective General Course in Humanities & Social Science(12)	※ Students pursuing a double major take 12 credits without considering categories.
Basic Course (26)	Mandatory Basic Course (23)	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)

		<ul style="list-style-type: none"> 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)
	Elective Basic Course (3)	※ Students having a double major take at least 3 or 6 credits.
Major Course (at least 42)	Mandatory Major Course(9)	MSB200 Introduction to Business Management, MSB204 Technology Management, MSB351 High Tech Venturing
	Elective Major Course (at least 33)	Elective Major I : At least 15 credits Elective Major II : At least 12 credits Elective Major III : At least 6 credits
Research Course (4)	Mandatory(4)	Select one from Practicum Project(3), Internship(3), B.S. Thesis Research(3)
		S&T Biz Colloquium(1) * International students can substitute MSB495 Individual Study (1) for S&T Biz Colloquium.
Elective Course	Double major credits	
Total	at least 130 credits	

● Requirements for students admitted in 2013 or before

Classification	Requirement	Details
General Course (18+9AU)	Mandatory General Course (6, 9AU)	<ul style="list-style-type: none"> - * English Communication(1), ** Critical Thinking in English(2), Writing(3) * Substitute (HSS010) : Intermediate English Speaking & Listening(2) ** Substitute (HSS011) : Intermediate English Reading & Writing(2) - Physical Education(4AU), Humanity/Leadership(2AU: 32hours), Ethics and Safety II (1AU), Happy College Life(1AU), Exciting College Life(1AU) ※ Community Service : Not applicable to students entering KAIST in 2011 and thereafter. However, leadership mileage will be awarded for proof of community service. * AU(Activity Unit) recognized courses include physical education, humanity/leadership, happy college life, and ethics & safety. These courses are not included in the graduation credits but are necessary for graduation. * International students must take both HSS006 Basic Korean I for Foreign Students(3) instead of Writing(3), and HSS193 Basic Korean II for Foreign Students(3)
	Elective General Course in Humanities & Social Science(12)	※ <u>Students pursuing a double major take 12 credits without considering categories.</u>
Basic Course (26)	Mandatory Basic Course (23)	<ul style="list-style-type: none"> 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

		<p>Advance Physics II (3)</p> <p>③ 1 course of General Physics Lab I (1)</p> <p>④ 1 course of Basic Biology (3) or General Biology (3)</p> <p>⑤ 1 course of Calculus I (3) or Honor Calculus I (3)</p> <p>⑥ 1 course of Calculus II (3) or Honor Calculus II (3)</p> <p>⑦ 1 course among Basic Chemistry (3), General Chemistry I (3), and Advanced Chemistry (3)</p> <p>⑧ 1 course of General Chemistry Lab I (1) or Advanced Chemistry Lab (1)</p> <p>⑨ 1 course of Basic Programming (3) or Advanced Programming (3)</p>
	Elective Basic Course (3)	※ Students having a double major take at least 3 or 6 credits.
Major Course (at least 42)	Mandatory Major Course(9)	MSB200 Introduction to Business Management, MSB204 Technology Management, MSB351 High Tech Venturing
	Elective Major Course (at least 33)	<p>Elective Major I : At least 15 credits</p> <p>Elective Major II : At least 12 credits</p> <p>Elective Major III : At least 6 credits</p>
Research Course (4)	Mandatory(4)	Select one from Practicum Project(3), Internship(3), B.S. Thesis Research(3)
		<p>S&T Biz Colloquium(1)</p> <p>* International students can substitute MSB495 Individual Study (1) for S&T Biz Colloquium.</p>
Elective Course	Double major credits	
Total	at least 130 credits	

● **Physical Education**

- The mandatory requirement of 4AU in physical education courses has been removed from 2023 spring semester
- Students who are enrolled before 2022 are required to complete 2 credits freely selected from general, major, basic, or research courses instead and if there is already completed physical education AU, it may be used to replace freely selected credits, with 1 AU recognized as 1 credit during graduation assessment where necessary.
- ※ No academic credit recognition for sports club activities from Fall Semester 2022 onwards

● **English Proficiency Requirements for 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.
 - Students who have submitted NEW TOEIC score taken after May 2006 or TEPS score taken after March 1, 2007

구분	iBT TOFEL	PBT TOFEL	CBT TOFEL	TOEIC	TEPS	NEW TEPS 2)	IELTS
General qualification score	83	560	220	720	599	326	6.5
Qualification score for hearing impairment level 3 or above	62	372	146	360	359	196	4.8

- 1) TEPS: 2007.3.1. ~ 2018.4.7. Conducted Test
- 2) New TEPS: 2018.5.12. After Conducted Test

● **TOPIK Requirement for Undergraduate Foreign Student**

- 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

Please make sure to check the details of the General & Basic Course Requirements in the bulletin board.

Table of Curriculum (For Students Admitted in 2023 and thereafter)

Classification	Course No.	Course Code	Course Title	Lecture:Lab: Credit (Assignment)	Semester	Remarks	
Elective Basic	BTM101	G2.101	Management of Everything	3:0:3(6)	Fall		
Mandatory Major	BTM200	G2.200	Introduction to Business Management	3:0:3(6)	Spring, Fall		
	BTM204	G2.204	Technology Management	3:0:3(6)	Spring, Fall		
	BTM351	G2.351	High Tech Venturing	3:0:3(6)	Fall		
Elective Major	Elective I	BTM230	G2.230	Principles of Accounting	3:0:3(6)	Spring, Fall	
		BTM235	G2.235	Financial Management	3:0:3(6)	Spring, Fall	
		BTM236	G2.236	Principles of Marketing	3:0:3(6)	Spring, Fall	
		BTM237	G2.237	Introduction to MIS	3:0:3(6)	Fall	
		BTM238	G2.238	Organizational Behavior	3:0:3(6)	Spring	
		BTM343	G2.343	Business Strategy	3:0:3(6)	Fall	
		BTM354	G2.354	Operations Management	3:0:3(6)	Fall	
		BTM450	G2.450	Entrepreneurship & Venture Business	3:0:3(6)	Spring	☉
	Elective II	BTM201	G2.201	Statistical Analysis for Business	3:0:3(6)	Fall	
		BTM336	G2.336	Technology Marketing	3:0:3(6)	Spring	
		BTM337	G2.337	Information Technology Management	3:0:3(6)	Spring	
		BTM338	G2.338	Consumer Behavior	3:0:3(6)	Spring	
		BTM341	G2.341	Management Science	3:0:3(6)	Fall	
		BTM345	G2.345	Understanding Creativity for Innovation Management	3:0:3(6)	Fall	
		BTM356	G2.356	Information Society	3:0:3(6)	Spring	
		BTM360	G2.360	R&D Project Management	3:0:3(6)	Fall	
		BTM370	G2.370	Analysis of Technology Valuation	3:0:3(6)	Fall	
		BTM401	G2.401	Management of Technology Innovation	3:0:3(6)	Fall	☉
		BTM403	G2.403	Innovation Case Study	3:0:3(6)	Spring	☉
		BTM407	G2.407	Future Technology and Industry	3:0:3(6)	Spring	☉
		BTM411	G2.411	Investments	3:0:3(6)	Fall	☉
		BTM416	G2.416	Future High-Tech Product Development	3:0:3(6)	Spring	☉
		BTM421	G2.421	High-Tech Human Resources Management	3:0:3(6)	Fall	☉
		BTM431	G2.431	Managerial Accounting	3:0:3(6)	Fall	☉
		BTM436	G2.436	Marketing Research	3:0:3(6)	Fall	☉
		BTM440	G2.440	Legal Aspects and Cases of Entrepreneurship	3:0:3(6)	Spring	☉
		BTM441	G2.441	Patent Law and Management	3:0:3(6)	Spring	☉
BTM443		G2.443	Negotiation and Conflict Management	3:0:3(6)	Spring	☉	

Classification	Course No.	Course Code	Course Title	Lecture:Lab: Credit (Assignment)	Semester	Remarks	
	BTM446	G2.446	Supply Chain Management	3:0:3(6)	Spring	◎	
	BTM451	G2.451	Venture Formation Practice	3:0:3(6)	Spring	◎	
	BTM452	G2.452	Business Model	3:0:3(6)	Fall	◎	
	BTM453	G2.453	Digital Fabrication for Society	2:3:3	Spring or Fall	◎	
	BTM454	G2.454	Information Policy	3:0:3(6)	Fall	◎	
	BTM455	G2.455	Service Engineering	3:0:3(6)	Spring	◎	
	BTM456	G2.456	Knowledge Business	3:0:3(6)	Spring	◎	
	BTM472	G2.472	China's Economic Development	3:0:3(6)	Spring	◎	
	BTM481	G2.481	Special Topics I in Business and Technology Management	3:0:3(6)	Spring, Fall	◎	
	BTM482	G2.482	Special Topics II in Business and Technology Management	2:0:2(4)	Spring, Fall	◎	
	BTM483	G2.483	Special Topics III in Business and Technology Management	1:0:1(2)	Spring, Fall	◎	
	ENP430	B5.430	Entrepreneurial Law	3:0:3(6)	Spring	◎	
	Elective III	BTM210	G2.210	Microeconomics	3:0:3(6)	Spring, Fall	
		BTM211	G2.211	Macroeconomics	3:0:3(6)	Spring, Fall	
		BTM301	G2.301	Econometrics	3:0:3(6)	Spring	
		BTM311	G2.311	Intermediate Microeconomics	3:0:3(6)	Fall	△
		BTM312	G2.312	Intermediate Macroeconomics	3:0:3(6)	Fall	△
		BTM402	G2.402	International Economics	3:0:3(6)	Fall	◎
		BTM408	G2.408	Economics of Technology and Innovation	3:0:3(6)	Fall	◎
		BTM413	G2.413	Industrial Organization	3:0:3(6)	Spring	◎
		BTM415	G2.415	Game Theory	3:0:3(6)	Fall	◎
		BTM417	G2.417	Financial Economics	3:0:3(6)	Fall	◎,△
BTM418		G2.418	Network Economics	3:0:3(6)	Fall	◎,△	
BTM484	G2.484	Special Topics in Economics	3:0:3(6)	Spring,Fall	◎,△		
Research	BTM490	G2.490	B.S. Thesis Research	0:6:3	Spring, Fall		
	BTM491	G2.491	CEO Seminar	1:0:1	Fall		
	BTM493	G2.493	Practicum Project	0:4:3	Spring, Fall		
	BTM495	G2.495	Individual Study	0:6:1	Spring, Fall		
	BTM496	G2.496	S&T Biz Colloquium	1:0:1	Spring		

※ ◎: Course mutually recognized by undergraduate and graduate programs

△: These courses will be recognized as major elective III since spring 2023. This applies only to students who have taken the courses after Spring 2023.

※ Course classification, course title, undergraduate-graduate mutual recognition courses may differ based on the course requirements by admitted year.

Substitute Course List (For Students Admitted in 2023 and thereafter)

Substitute Courses in the Program					
Classification	Courses Currently Offered		Courses Currently Not Offered		Remarks
	Course No.	Course Title	Course No.	Course Title	
Elective Basic	BTM101	Management of Everything	MSB101	Management of Everything	
Mandatory Major	BTM200	Introduction to Business Management	MSB200	Introduction to Business Management	
	BTM201	Technology Management	MSB201	Technology Management	
	BTM204	High Tech Venturing	MSB204	High Tech Venturing	
Elective I	BTM230	Principles of Accounting	MSB230	Principles of Accounting	
	BTM235	Financial Management	MSB235	Financial Management	
	BTM236	Principles of Marketing	MSB236	Marketing	Change of Course Title
	BTM237	Introduction to MIS	MSB237	Introduction to MIS	
	BTM238	Organizational Behavior	MSB238	Organizational Behavior	
	BTM343	Business Strategy	MSB343	Business Strategy	
	BTM354	Operations Management	MSB354	Operations Management	
	BTM450	Entrepreneurship & Venture Business	MSB450	Entrepreneurship & Venture Business	
Elective II	BTM201	Statistical Analysis for Business	MSB201	Statistical Analysis for Business	
	BTM336	Technology Marketing	MSB336	Technology Marketing	
	BTM337	Information Technology Management	MSB337	Information Technology Management	
	BTM338	Consumer Behavior	MSB338	Consumer Behavior	
	BTM341	Management Science	MSB341	Management Science	
	BTM345	Understanding Creativity for Innovation Management	MSB345	Understanding Creativity for Innovation Management	
	BTM356	Information Society	MSB356	Information Society	
	BTM360	R&D Project Management	MSB360	R&D Project Management	
	BTM370	Analysis of technology valuation	MSB370	Analysis of technology valuation	
	BTM401	Management of Technology Innovation	MSB401	Management of Technology Innovation	
	BTM403	Innovation Case Study	MSB403	Innovation Case Study	
	BTM407	Future Technology and industry	MSB407	Future Technology and industry	
	BTM411	Investments	MSB411	Investments	
	BTM416	Future High-tech product development	MSB416	Future High-tech product development	
	BTM421	High-Tech Human Resources Management	MSB421	High-Tech Human Resources Management	
	BTM431	Managerial Accounting	MSB431	Managerial Accounting	

Substitute Courses in the Program					
Classification	Courses Currently Offered		Courses Currently Not Offered		Remarks
	Course No.	Course Title	Course No.	Course Title	
	BTM436	Marketing Research	MSB436	Marketing Research	
	BTM440	Legal Aspects and Cases of Entrepreneurship	MSB440	Legal Aspects and Cases of Entrepreneurship	
	BTM441	Patent Law and Management	MSB441	Patent law and management	
	BTM443	Negotiation and Conflict Management	MSB443	Negotiation and Contention Management	Change of Course Title
	BTM446	Supply Chain Management	MSB446	Supply Chain Management	
	BTM451	Venture Formation Practice	MSB451	Venture Formation Practice	
	BTM452	Business Model	MSB452	Business Model	
	BTM453	Digital Fabrication for Society	MSB453	Digital Fabrication for Society	
	BTM454	Information Policy	MSB454	Information Policy	
	BTM455	Service Engineering	MSB455	Service Engineering	
	BTM456	Knowledge Business	MSB456	Knowledge Business	
	BTM472	China's Economic Development	MSB472	China's Economic Development	
	BTM481	Special Topics I in Business and Technology Management	MSB481	Special Topics I in Business and Technology Management	
	BTM482	Special Topics II in Business and Technology Management	MSB482	Special Topics II in Business and Technology Management	
	BTM483	Special Topics III in Business and Technology Management	MSB483	Special Topics III in Business and Technology Management	
Elective III	BTM210	Microeconomics	MSB215	Microeconomics	Change of Course No.
	BTM211	Macroeconomics	MSB316	Macroeconomics	Change of Course No.
	BTM301	Econometrics	MSB301	Econometrics	
	BTM402	International Economics	MSB402	International Economics	
	BTM408	Economics of Technology and Innovation	MSB408	Economics of Technology	Change of Course Title
	BTM413	Industrial Organization	MSB413	Industrial Organization	
	BTM415	Game Theory	MSB415	Game Theory	
Research	BTM490	B.S. Thesis Research	MSB490	B.S. Thesis Research	
	BTM491	CEO Seminar	MSB491	CEO Seminar	
	BTM493	Practicum Project	MSB493	Practicum Project	
	BTM495	Individual Study	MSB495	Individual Study	
	BTM496	S&T Biz Colloquium	MSB496	S&T Biz Colloquium	

Table of Curriculum (For Students Admitted in 2020~2022)

Classification	Course No.	Course Code	Course Title	Lecture:Lab: Credit (Assignment)	Semester	Remarks	
Elective Basic	MSB101	42.101	Management of Everything	3:0:3(6)	Fall		
Mandatory Major	MSB200	42.200	Introduction to Business Management	3:0:3(6)	Spring, Fall		
	MSB204	42.204	Technology Management	3:0:3(6)	Spring, Fall		
	MSB351	42.351	High tech Venturing	3:0:3(6)	Fall		
Elective Major	Elective I	MSB230	42.230	Principles of Accounting	3:0:3(6)	Spring, Fall	
		MSB235	42.235	Financial Management	3:0:3(6)	Spring, Fall	
		MSB236	42.236	Marketing	3:0:3(6)	Spring, Fall	
		MSB237	42.237	Introduction to MIS	3:0:3(6)	Fall	
		MSB238	42.238	Organizational Behavior	3:0:3(6)	Spring	
		MSB343	42.343	Business Strategy	3:0:3(6)	Fall	
		MSB354	42.354	Operations Management	3:0:3(6)	Fall	◇
	MSB450	42.450	Entrepreneurship & Venture Business	3:0:3(6)	Spring	◎	
	Elective II	MSB201	42.201	Statistical Analysis for Business	3:0:3(6)	Fall	
		MSB336	42.336	Technology Marketing	3:0:3(6)	Spring	
		MSB337	42.337	Information Technology Management	3:0:3(6)	Spring	
		MSB338	42.338	Consumer Behavior	3:0:3(6)	Spring	
		MSB341	42.341	Management Science	3:0:3(6)	Fall	◆
		MSB345	42.345	Understanding Creativity for Innovation Management	3:0:3(6)	Fall	
		MSB356	42.356	Information Society	3:0:3(6)	Spring	
		MSB360	42.360	R&D Project Management	3:0:3(6)	Fall	
		MSB370	42.370	Analysis of technology valuation	3:0:3(6)	Fall	
		MSB401	42.401	Management of Technology Innovation	3:0:3(6)	Fall	◎
		MSB403	42.403	Innovation Case Study	3:0:3(6)	Spring	◎
		MSB407	42.407	Future Technology and industry	3:0:3(6)	Spring	◎
		MSB411	42.411	Investment	3:0:3(6)	Fall	◎
		MSB416	42.416	Future High-tech product development	3:0:3(6)	Spring	◎
		MSB421	42.421	High-Tech Human Resources Management	3:0:3(6)	Fall	◎
		MSB431	42.431	Managerial Accounting	3:0:3(6)	Fall	◎
		MSB436	42.436	Marketing Research	3:0:3(6)	Fall	◎
		MSB440	42.440	Legal Aspects and Cases of Entrepreneurship	3:0:3(6)	Spring	◎
		MSB441	42.441	Patent law and management	3:0:3(6)	Spring	◎
MSB443		42.443	Negotiation and Contention	3:0:3(6)	Spring	◎	

Classification	Course No.	Course Code	Course Title	Lecture:Lab: Credit (Assignment)	Semester	Remarks
			Management			
	MSB446	42.446	Supply Chain Management	3:0:3(6)	Spring	◎
	MSB451	42.451	Venture Formation Practice	3:0:3(6)	Spring	◎
	MSB452	42.452	Business Model	3:0:3(6)	Fall	◎
	MSB453	42.453	Digital Fabrication for Society	2:3:3	Spring or Fall	◎
	MSB454	42.454	Information Policy	3:0:3(6)	Fall	◎
	MSB455	42.455	Service Engineering	3:0:3(6)	Spring	◎
	MSB456	42.456	Knowledge Business	3:0:3(6)	Spring	◎
	MSB458	42.458	Web Technologies and Business Strategies	3:0:3(6)	Fall	◎
	MSB472	42.472	China's Economic Development	3:0:3(6)	Spring	◎
	MSB481	42.481	Special Topics I in Business and Technology Management	3:0:3(6)	Spring, Fall	◎
	MSB482	42.482	Special Topics II in Business and Technology Management	2:0:2(4)	Spring, Fall	◎
	MSB483	42.483	Special Topics III in Business and Technology Management	1:0:1(2)	Spring, Fall	◎
	ENP430	B5.430	Entrepreneurial Law	3:0:3(6)	Spring	◎
Elective III	MSB215	42.215	Microeconomics	3:0:3(6)	Spring, Fall	
	MSB301	42.301	Econometrics	3:0:3(6)	Spring	
	MSB316	42.316	Macroeconomics	3:0:3(6)	Spring, Fall	
	MSB402	42.402	International Economics	3:0:3(6)	Fall	◎
	MSB408	42.408	Economics of Technology	3:0:3(6)	Fall	◎
	MSB413	42.413	Industrial Organization	3:0:3(6)	Spring	◎
	MSB415	42.415	Game Theory	3:0:3(6)	Fall	◎
Research	MSB490	42.490	B.S. Thesis Research	0:6:3	Spring, Fall	
	MSB491	42.491	CEO Seminar	1:0:1	Fall	
	MSB493	42.493	Practicum Project	0:4:3	Spring, Fall	
	MSB495	42.495	Individual Study	0:6:1	Spring, Fall	
	MSB496	42.496	S&T Biz colloquium	1:0:1	Spring	

※ ◎: Course mutually recognized by undergraduate and graduate programs

◇ MSB354 Operations Management(Elective II-> Elective I, Since Spring 2020)

◆ MSB341 Management Science (Elective I->Elective II, Since Spring 2020)

※ Course classification, course title, undergraduate-graduate mutual recognition courses may differ based on the course requirements by admitted year.

Table of Curriculum (For Students Admitted in 2019 or before)

Classification	Course No.	Course Code	Course Title	Lecture:Lab: Credit (Assignment)	Semester	Remarks	
Elective Basic	MSB101	42.101	Management of Everything	3:0:3(6)	Fall		
Mandatory Major	MSB200	42.200	Introduction to Business Management	3:0:3(6)	Spring, Fall		
	MSB204	42.204	Technology Management	3:0:3(6)	Spring, Fall		
	MSB351	42.351	High tech Venturing	3:0:3(6)	Fall		
Elective Major	Elective I	MSB230	42.230	Principles of Accounting	3:0:3(6)	Spring, Fall	
		MSB235	42.235	Financial Management	3:0:3(6)	Spring, Fall	
		MSB236	42.236	Marketing	3:0:3(6)	Spring, Fall	
		MSB237	42.237	Introduction to MIS	3:0:3(6)	Fall	
		MSB238	42.238	Organizational Behavior	3:0:3(6)	Spring	
		MSB341	42.341	Management Science	3:0:3(6)	Fall	
		MSB343	42.343	Business Strategy	3:0:3(6)	Fall	
		MSB450	42.450	Entrepreneurship & Venture Business	3:0:3(6)	Spring	☉
	Elective II	MSB201	42.201	Statistical Analysis for Business	3:0:3(6)	Fall	
		MSB336	42.336	Technology Marketing	3:0:3(6)	Spring	
		MSB337	42.337	Information Technology Management	3:0:3(6)	Spring	
		MSB338	42.338	Consumer Behavior	3:0:3(6)	Spring	
		MSB354	42.354	Operations Management	3:0:3(6)	Fall	
		MSB356	42.356	Information Society	3:0:3(6)	Spring	
		MSB360	42.360	R&D Project Management	3:0:3(6)	Fall	
		MSB370	42.370	Analysis of technology valuation	3:0:3(6)	Fall	
		MSB401	42.401	Management of Technology Innovation	3:0:3(6)	Fall	☉
		MSB403	42.403	Innovation Case Study	3:0:3(6)	Spring	☉
		MSB407	42.407	Future Technology and industry	3:0:3(6)	Spring	☉
		MSB411	42.411	Investment	3:0:3(6)	Fall	☉
		MSB416	42.416	Future High-tech product development	3:0:3(6)	Spring	☉
		MSB421	42.421	High-Tech Human Resources Management	3:0:3(6)	Fall	☉
		MSB431	42.431	Managerial Accounting	3:0:3(6)	Fall	☉
		MSB436	42.436	Marketing Research	3:0:3(6)	Fall	☉
		MSB440	42.440	Legal Aspects and Cases of Entrepreneurship	3:0:3(6)	Spring	☉
		MSB441	42.441	Patent law and management	3:0:3(6)	Spring	☉
MSB443		42.443	Negotiation and Contention Management	3:0:3(6)	Spring	☉	
MSB446	42.446	Supply Chain Management	3:0:3(6)	Spring	☉		

Classification		Course No.	Course Code	Course Title	Lecture:Lab: Credit (Assignment)	Semester	Remarks
		MSB451	42.451	Venture Formation Practice	3:0:3(6)	Spring	◎
		MSB452	42.452	Business Model	3:0:3(6)	Fall	◎
		MSB453	42.453	Digital Fabrication for Society	2:3:3	Spring or Fall	◎
		MSB454	42.454	Information Policy	3:0:3(6)	Fall	◎
		MSB455	42.455	Service Engineering	3:0:3(6)	Spring	◎
		MSB456	42.456	Knowledge Business	3:0:3(6)	Spring	◎
		MSB458	42.458	Web Technologies and Business Strategies	3:0:3(6)	Fall	◎
		MSB472	42.472	China's Economic Development	3:0:3(6)	Spring	◎
		MSB481	42.481	Special Topics I in Business and Technology Management	3:0:3(6)	Spring, Fall	◎
		MSB482	42.482	Special Topics II in Business and Technology Management	2:0:2(4)	Spring, Fall	◎
		MSB483	42.483	Special Topics III in Business and Technology Management	1:0:1(2)	Spring, Fall	◎
		ENP430	B5.430	Entrepreneurial Law	3:0:3(6)	Spring	◎
	Elective III	MSB215	42.215	Microeconomics	3:0:3(6)	Spring, Fall	
		MSB301	42.301	Econometrics	3:0:3(6)	Spring	
		MSB316	42.316	Macroeconomics	3:0:3(6)	Spring, Fall	
		MSB402	42.402	International Economics	3:0:3(6)	Fall	◎
		MSB408	42.408	Economics of Technology	3:0:3(6)	Fall	◎
		MSB413	42.413	Industrial Organization	3:0:3(6)	Spring	◎
	Research	MSB415	42.415	Game Theory	3:0:3(6)	Fall	◎
MSB490		42.490	B.S. Thesis Research	0:6:3	Spring, Fall		
MSB491		42.491	CEO Seminar	1:0:1	Fall	☆	
MSB493		42.493	Practicum Project	0:4:3	Spring, Fall		
MSB495		42.495	Individual Study	0:6:1	Spring, Fall		
	MSB496	42.496	S&T Biz colloquium	1:0:1	Spring		

※ ◎: Course mutually recognized by undergraduate and graduate programs

※ ☆: MSB491 CEO Seminar(Elective II-> Research Course(Since Fall 2015)

※ IE200(Introduction to Operations Research), IE425(Project Management): These courses will not be recognized as major elective courses starting from the students admitted in the year 2015

※ Course classification, course title, undergraduate-graduate mutual recognition courses may differ based on the course requirements by admitted year.

[Reference]

※ Students entered in 2015 and before : 2009-6 Curriculum Implementation (교육혁신팀-543, 2009.7.16.) If major courses in first major department and in minor/double major department are overlapped, a maximum of 9 credits of those overlapped courses are recognized.

※ Students entered in 2016 and after : Operational Guidelines for Curriculum Article 15-2 (Prohibition on Double Counting in Undergraduate Program)

① Undergraduate credits cannot be double counted. If major courses in first major department and in double major department are overlapped, a maximum of 6 credits of those overlapped courses are recognized, exceptionally.

"세계를 향한 대학, 미래를 여는 연구"



한국과학기술원(KAIST)

수신자 수신처 참조 (경유)

제 목 제2009-7회 교과과정 신설 및 변경내역 시행

- 1. 관 련 : 제2009-7회 교과과정심의위원회(서면결의) 교육혁신팀-582 (2009.07.31)
2. 위와 관련 제2009-7회 교과과정심의회를 거친 교과과정 신설 및 변경내역을 붙임과 같이 시행합니다.
3. 부·복수전공을 활성화하기 위하여 부·복수전공 이수시 교과목 이수요건이 아래와 같이 변경되었으니 반드시 참고하시기 바랍니다.

= 아 래 =

가. 변경사항

Table with 2 columns: 현행, 변경. Content: 부·복수전공 신청학과와 교과목이 중복되는 경우 신청학과와 전공과목을 추가로 이수함. / 소속학과와 부·복수전공 신청학과와 전공교과목이 중복되는 경우 9학점까지 중복인정함.

나. 경과조치

시행일부터 모든 재학생에게 적용함.

붙 임. 제2009-7회 교과과정 신설 및 변경내역 시행. 끝.

총 장

수신자 지명대학교 학사처 교수님 안녕하십니까. KAIST에서 실시하는 2009-7회 교과과정 신설 및 변경내역 시행에 관련하여 송유리나 교수님께 전달드립니다. 본 시행안은 교육혁신팀을 통해 2009.7.31에 승인되었으며, 2009.8.3에 시행될 예정입니다. 본 시행안에 대한 궁금증 있으시면 언제든지 교육혁신팀(305-701)로 연락주시기 바랍니다. 감사합니다.

발급 송유리나 담당 2009.07.31
협조자
시행 교육혁신팀-583 (2009.07.31) 접수 경영과학과-40 (2009.08.03)
우 305-701 대전광역시 유성구 과학로 335 (구성동 373-1) / www.kaist.ac.kr

Descriptions of Courses

□ Undergraduate Program

BTM101 Management of Everything

This course provides students with contemporary concepts and principles of management. It discusses the management concepts with philosophical backgrounds and real cases. It also encourages students to put these concepts and principles into practice.

BTM200 Introduction to Business Management

This course is established for students to understand the company's effective/efficient management and approaches in a constantly competing environment. With the understanding of company's essence, management activities, and conceptual frame of management, students will examine the latest trends in management, organizational changes, innovation, and entrepreneurship.

BTM201 Statistical Analysis for Business

This course discusses some statistical analysis tools in undergraduate levels of business for a variety of applications in accounting, finance, marketing, production and others areas. Topics include regression analysis, analysis of variance, goodness-of-fit test, time series analysis, sampling methods, some statistical decision theory, and non-parametric methods.

BTM204 Technology Management

This course aims to provide students with an introduction of the key technology and innovation management challenges that students will face as an engineer working in business. As a decision maker in technology related business, it is essential to understand the notion of science and technology, patterns and sources of technological innovation, and mechanism of technological innovation. In addition, there will be an emphasis on concept learning for technological management such as Product development process, R&D project management, Intellectual property management, outsourcing management, and role of CTO.

BTM210 Microeconomics

This course is concerned with the understanding of basic principles in microeconomics. Microeconomics considers how individuals, firms, the government, and other organizations make choices. By the end of semester, students should understand the main logical arguments used by an economist to describe how the world works, and be able to use these tools to analyze business and public policy problems.

BTM211 Macroeconomics

This course is concerned with the construction of macroeconomic theories that can explain and predict variations in aggregate (economy-wide) variables, such as GNP, unemployment, the general price level, interest rates, growth rates, and the exchange rate. The course material and class organization stress the development of the tools and background necessary for your field courses.

BTM230 Principles of Accounting

This course will help students to understand accounting functions, accounting responsibilities, accounting standards, the necessity of external auditing, and reasons why corporations prepare and announce financial statements. Students will summarize and analyze corporations' financial statements. Also, students will be trained to obtain a better understanding of the main accounting processing method and its meanings for use in decision-making.

BTM235 Financial Management

Financial Management is concerned with the maintenance and creation of economic value. Corporations raise funds from financial markets (financing decisions) and invest them to create value (investment decisions). The objective of this class is to study how those financing and investment decisions are made by corporations with an eye toward creating value. The class covers financial analysis and planning, valuation of securities, capital budgeting, risk and return relationship and

opportunity cost of capital, alternative corporate financing and capital structure, etc.

BTM236 Principles of Marketing

Marketing for engineering students shows how important marketing activities are to science and engineering students. This course educates students' overall basic concepts and major issues on marketing, and based on the learned concepts and through cases of technology oriented corporation, students will enhance their learning effectiveness by linking real-life marketing and marketing theories.

BTM237 Introduction to MIS

This course is designed to provide a broad overview of the fundamental concepts of information systems for students. The course includes the basic concepts of computer hardware, software, databases, data communication networks, Internet, various information systems and other emerging technologies. It also covers the history of computing and different scientific views towards IT to understand the interrelationships between technologies and society.

BTM238 Organizational Behavior

This course is to provide students with an understanding of the fundamental theories and practices of organization and its people. The main content comprise of two parts. One part is mainly for issues related to individuals and groups in an organization including motivation (recruitment, learning, evaluation, and rewards), job design, job adaptation, and group behavior. Another content covers issues of organizational management such as organizational structure, processes (communication, decision-making), leadership, and organizational development.

BTM301 Econometrics

This course will provide students with an opportunity to learn basic methods of multiple regression analysis. Estimation and testing hypotheses are the primary concerns of this course. Topics covered in this course are multiple regression, structural change, and time series analysis.

BTM311 Intermediate Microeconomics

Intermediate Microeconomics offers a rigorous, analytical study of microeconomics. It is designed to give students a deeper understanding of the way our society allocates resources. While it is intended for students who have already taken the microeconomic principles course, that requirement can be waived with the permission of the instructor. The course begins by exploring the consumption and production decisions of our society in competitive markets. It continues by looking at the welfare benefits of markets through a general equilibrium analysis. It investigates the impact that various market structures have on equilibrium outcomes, including monopoly, oligopoly, and monopolistic competition. Depending on the semester, additional topics can include game theory, externalities, asymmetric information, and decision-making under uncertainty. This course provides the necessary theoretical background for students to continue their studies at a top graduate school in economics.

BTM312 Intermediate Macroeconomics

This course introduces mathematical macroeconomic models to understand the broad movements in the global economy. Key topics include long-run economic growth, technological change, booms and recessions, unemployment, inflation, interest rates, monetary and fiscal policy, and economic inequality. The Solow growth model, endogenous growth models, DSGE (Dynamic Stochastic General Equilibrium), and search and matching models in the labor market will be covered. By the end of the course, students should be able to read and understand the discussions of macroeconomic issues in *The Economist*, the *New York Times*, the *Wall Street Journal*, or the economic reports from the Bank of Korea.

BTM336 Technology Marketing

The aim of this course is to provide a solid grounding to students interested in managing various aspects of the technology marketing. The course will move through the following major components with an emphasis of pre planning tech marketing: strategy, organization, process, after service,

technology valuation.

BTM337 Information Technology Management

This course discusses the state-of-the-art of information technology(IT) management. It includes system development, user behavior, electronic business, web 2.0, big data and knowledge management for organizational performance. Students are required to develop their deep knowledge on the advance topics of IT management in this course.

BTM338 Consumer Behavior

Basic concepts and research results from marketing and the social science are examined with the goal of enabling marketers to better understand customers and meet their needs. The decision process of buyers, factors affecting purchasing decisions, and customer satisfaction are major conceptual areas of the course. Implications for marketing strategies (e.g., market segmentation, product design, and promotion) are discussed.

BTM341 Management Science

This course provides the Operations Research (OR) based design, analysis, modeling and algorithms for solving key problems arising in engineering and non-engineering (business) areas. The course will cover fundamental items such as Linear Programming, Network Analysis, Dynamic Programming, Game Theory, Integer Programming and Nonlinear Programming. In particular, application of OR techniques to telecommunications network design (including both wireline- and wireless systems) will be presented and illustrated.

BTM343 Business Strategy

This class is concerned with a theoretical framework of exploring strategic alternatives which guide a firm toward future success and regulate the decisions of managers and the behaviors of employees. The class discussion will identify the effective ways to analyze external and internal contexts, explore strategic options related to competition, diversification, or globalization, etc., and understand organizational problems of strategy implementation. The understandings of strategic management could also contribute significantly to in-depth discussions of innovation, marketing activity, and organizational behavior in each firm level.

BTM345 Understanding Creativity for Innovation Management

This course helps students understand theoretical and conceptual foundations of creativity, apply current knowledge of the psychology of creativity to manage innovation in multiple organizational settings, and enhance students' own level of creativity.

BTM351 High Tech Venturing

This course introduces the fundamental perspectives of concepts, process, which is the field of technology based entrepreneurship and new business venturing. Entrepreneurs have to engage many process such as recognizing market opportunities, building Business Model, Financing etc to create viable new venture. This introductory course focuses on above process as well as series of topic related tech based entrepreneurship such as venture firm management, case studies, government policies, leading entrepreneurs.

BTM354 Operations Management

The basic theory of operations management will be introduced from a knowledge management viewpoint. Fundamental theories and innovative techniques on the management of production and service operations which is the foundation of scientific management are discussed.

BTM356 Information Society

This course focuses on the introduction and analysis of information and knowledge society. Internet-based socio-economic paradigm displays various issues, such as digital divide, privacy, intellectual property right and cyber ethics. The main purpose of this course resides in the enhancement of critical analysis of the social, economic and ethical issues in the internet-based socio-economic environment.

BTM360 R&D Project management

This course will cover basic concepts, theories, and real world cases of project organization, technique, and methodology for the maximization of investment and the minimization of uncertainty of the full life-cycle of R&D project, planning, selection, control, and evaluation, through lectures and group term project.

BTM370 Analysis of Technology Valuation

This course will address the philosophies and practices of technology value based firm R&D activities. Students will learn the basic concept and analysis methods about budget and benefit of firm R&D investment for developing technology

BTM401 Management of Technology Innovation

The course is catered for managers and senior engineers who may be involved in new business development and R&D management for high-technology companies. The concepts and analytical frameworks are useful and relevant when you are in a business of managing technical-based resources and knowledge assets in a rapidly changing environment. Although some readings we use in this course present a certain level of technical details, the focus is on strategic management issues rather than the specific details of any particular technology. Nonetheless, students in the past have enjoyed learning the selection of technologies in terms of diversity and stages of evolution.

BTM402 International Economics

The Theory and Policy of International Economics is a natural extension of the principles of economics in a globalized environment. The class is basically a combination of the study of theory and real world application. Occasionally, the group and individual presentation and debate will be introduced.

BTM403 Innovation Case Strategy

This course is to learn dynamics and paradigms of innovation using multiple case studies. This course aims to make the students get familiar with key concepts such as the evolution path, the diffusion pattern, the value capture, and the implementation of the innovation, so that they become more effective in creating and nurturing innovation that is a crucial value creating engine in modern society.

BTM407 Future Technology and Industry

This course is designed to reinforce and develop student abilities to apply technology and business(industry). In doing so we will focus on innovation of science and technology and its future industrial evolution. On each topic the class will focus on winning R&D excellence of KAIST research areas together with industrial perspective such as nuclear, electrical vehicle, biotechnology so forth.

BTM408 Economics of Technology and Innovation

This course focuses on the effects of technology development on social welfare, social system, industrial structure, firm behavior in terms of economics perspective. This course deals with topics such as technology and economic development, technology and firm innovation, technology diffusion, technology innovation and policy.

BTM411 Investments

The main objective of the course is to provide an overview of theories in investment such as portfolio theory and the valuation models. The valuation models include the Capital Asset Pricing Model and Arbitrage Model. Also, financial markets, financial instruments, and mutual funds and other investment companies are introduced. In addition, the financial derivatives such as options and futures securities and the related theory and markets are covered.

BTM413 Industrial Organization

This course studies the application of microeconomic theory in market and industries. It analyzes market and industries in the paradigm of market structure-conduct-performance. It introduces various concepts of market structure and conduct: natural) monopoly, contestable market, entry barrier, economies of scale and scope, firm integration, price discrimination, tied sale, resale price maintenance market foreclosure, and other restraints on transactions. And it studies regulatory issues

associated with the efficient and optimal market performances of industries.

BTM415 Game Theory

The aims of this course is to equip the students with the basic tools of game theory. This unit develops the basic models of strategic behavior in modern microeconomics. It builds a framework for the analysis in markets where the traditional price theory fails. Central in development are choice under uncertainty, choice in strategic situations and choice under asymmetric information. The theories are applied to the analysis of oligopolistic markets, markets for insurance, the theory of actions and other applications.

BTM416 Future High-Tech Product Development

Korea's industry is at the crossroad of high-tech based manufacturing capabilities due to emergence of Internet paradigm. This course looks at the issues associated with Korea's future high tech development strategy to adopt into rapidly changing environment IT paradigm. The focus of learning in this course is to provide students with an appreciation 1) understanding asia's high tech development characteristics, 2) Korea's past development of high tech development strategy and its characteristics, 3) Development methods of future high tech product development, 4) Understand future technology, society.

BTM417 Financial Economics

Activities in financial markets have direct effects on individual's wealth, the behavior of business, and the efficiency of our economy. This course is designed to investigate (i) the role of money on business cycle and inflation, (ii) the structure of financial systems and the foreign exchange markets, and (iii) conduct of monetary policy and budget deficit. (iv) In addition, this course will introduce central concepts of financial economics.

BTM418 Network Economics

This course aims to understand basic principles of network economics and study applications of the principles to real economies and business issues. We introduce network externalities, critical mass, excess inertia and excess momentum, increasing returns world, path dependent process, and so on. We also studies network science including graph theory, strong and weak tie, and homophily, and further introduces complexity theory.

BTM421 High-Tech Human Resources Management

This course will address the philosophies and practices of human resources management in High-tech. Students will learn the basic functions of HRM including recruitment, selection, performance evaluation, development, compensation and others.

BTM431 Managerial Accounting

This course is designed to understand cost flows, costing procedures, and accounting systems providing cost and management performance data. In addition to the understanding, students are also able to enhance the management process knowledge by integrating various cost and performance date to management decision makings.

BTM436 Marketing Research

Marketing research serves as a central basis for marketing strategy and firm profitability. Therefore it is critical for a manager to understand marketing research and to be able to specify what needs to be studied, how to study it, and how to interpret the results. This course presents an overview of marketing research in terms of needs, definition, process, analysis and report.

BTM440 Legal Aspects and Cases of Entrepreneurship

This course is taught by a legalist who is in charge of science and technology venture enterprise with case studies. This course introduces legal conflict cases about laws related to science and technology and venture enterprise and administration.

BTM441 Patent Law and Management

Intellectual properties including patent right are studied through this class to be proceeds from research

activities of individuals and entrepreneurs. Studies are focused on procedure of obtaining the patent right from research activities to issue of letters patent and management on how to benefit from IP rights after granted or registered.

BTM443 Negotiation and Conflict Management

Negotiation and contention management is a hands-on, skill-oriented class which addresses two topics of central importance to anyone who seeks to succeed or to survive, in an organizational environment. The concepts presented in the course are introduced to prepare for or reflect on the succession of exercises or simulations.

BTM446 Supply Chain Management

The basic theory of supply chain management will be introduced from a knowledge management viewpoint. Main topics of the lecture will be focused on the management of supply chain which is the infrastructure of off-line manufacturing and the introduction of various cases in order to analyze the strategic cooperation of on-off line industry.

BTM450 Entrepreneurship & Venture Business

Entrepreneurship and venture business has an important role in training entrepreneurship to science and engineering students and in emphasizing the importance of venture business and enterprise. This course, after training students with basic concepts and entrepreneurship, will enhance the understanding of real-life venture businesses and enterprises through case studies.

BTM451 Venture Formation Practice

Venture is one of the core of the business in 21st Century. This course covers key issues in venture creation including business idea development, business model, growth strategy, business plan, and fundraising strategy, etc. Concurrently, students work in teams throughout the whole semester in simulating venture formation, which ends up with business plan presentation at the end of the semester. Some successful entrepreneurs and venture capitalists will be invited in the class to share their experiences and insights.

BTM452 Business Model

Powerful business model will be a prerequisite for the success of business idea in business reality. Effective business modelling is supported by knowledge and insights on market opportunity and firm competences. This task requires the essential parts of theoretical frameworks of diverse fields of business administration such as the understandings of innovation, market, strategic focus, organizational competences, etc. Special attention could be paid to disruptive business or internet business model. The class will be organized to introduce major types of business models and listen to onsite experience and insightful understanding of business managers.

BTM453 Digital Fabrication for Society

This course offers hands-on experience to develop products and services for solving a societal problem. Students will be more creative and responsible for their society after taking this course.

BTM454 Information Policy

This course focuses on the impact of informatization to socio-economic environment and organizational restructuring in business arena and the historical consideration of government informatization policies. In particular, this course introduces the change of informatization policies of advanced countries and the other contender countries in the newly emerging trends of internet paradigm, centered on electronics commerce.

BTM455 Service Engineering

This course will provide the concept of Service Engineering through lecture and practical exercise. Students will learn : (1) how to design service functions of manufactured product (2) how to develop product-service systems in manufacturing industry and (3) how to analyze service life cycle.

BTM456 Knowledge Business

This course will provide the concept of Knowledge Business through lecture and practical exercise.

Students will learn : (1) how to visualize knowledge (2) how to manage and utilize knowledge in organization and (3) how to design knowledge business cycle with multiple viewpoints and purposes.

BTM472 China's Economic Development

This course deals with rapid development of Chinese economy and its impacts on other countries including Korea. Technology, economy, history, culture, socio-political issues will be discussed in order to find a win-win strategy between China and Korea.

BTM481 Special Topics I in Business and Technology Management

This course studies both current trend in technology of each industry and recent trend in technology management and academic researches on technology management. This course is offered to cover additional business and technology management area which is not covered by regular courses. It will be opened flexibly.

BTM482 Special TopicsII in Business and Technology Management

This course studies the recent trend in technology management through the introduction of current trend in technology and case studies for each industry (or sector) for undergraduate students of Business and Technology Management major. This course is offered to cover additional business and technology management area which is not covered by regular courses. It will be opened flexibly.

BTM483 Special TopicsIII in Business and Technology Management

This course studies the recent trend in technology management through the introduction of current trend in technology and case studies for selected specific industry (such as IT or BT sector), and literature research. This course is offered to cover additional business and technology management area which is not covered by regular courses. It will be opened flexibly.

BTM484 Special Topics in Economics

This course explores special topics of current interest, which can vary from semester to semester. This course may not be offered every year.

BTM490 B.S. Thesis Research

This course is designed to provide undergraduate students an opportunity to do in-depth and creative research in the business and technology management under the guidance of a faculty advisor.

BTM491 CEO Seminar

This seminar is open to KAIST students. Invited speakers will be renowned Chief Officers (e.g. CEO, CIO, CTO, CFO, etc.) in domestic and international corporations. Through this lecture, students will acquire leadership in business and economics.

BTM493 Practicum Project

With guidance of a faculty advisor, a project team with a group of 4-5 students who have completed core business courses conduct a small consulting project for an organization with business problems, and write a final report for the organization.

BTM495 Individual Study

In this course, the student select an advisor and a research topic, and conducts research for basic understanding and application of a simple specific topic in Technology Management.

BTM496 S&T Biz Colloquium

Technology management major students are required to take double major in science technology. In doing so this course would provides on overview of department's objective, and introduction to the study of science and technology. In particular their technological innovation in its fields, major research challenges, industrial linkages will be studied by inviting KAIST's department chair.

ENP430 Entrepreneurial Law

Acquiring fundamental knowledge on corporate law, contract law, labor law and antitrust/ fair trade

law, which are essential for operating a company, with the aim to cultivate capability to apply such laws to real world cases, not merely memorizing law provisions.