

Course Requirements

□ Graduate Programs

- 1) Master's Program: at least 45 credits and 1AU
(at least 36 credits for coursework + at least 9 research credits).

Mandatory General	Mandatory Major	Elective	Research	Total
3 (1AU)	3	30	9	45

- Mandatory General Courses: 3 credits & 1AU
 - CC020 Research Ethics and Safety Management I(1AU)
 - CC511 Probability and Statistics
[Substitution: BA581 Probability and Statistics, BA582 Statistical Decision Analysis and Forecasting]
- Mandatory Major Courses: at least 3 credits
 - Managerial Economics, IT Management, Operations Strategy and Management Science Unit : 1 Course among
 - ① BA541 Research Methods in Behavioral Science
 - ② BA582 Statistical Decision Analysis and Forecasting
[substitution: BA522 Econometrics and BA683 Time series analysis and forecasting]
 - Finance, Accounting Unit :
 - BA582 Statistical Decision Analysis and Forecasting
[substitution: BA522 Econometrics and BA683 Time series analysis and forecasting]
 - Organization and Strategic Management, Marketing, SCM Unit:
 - BA541 Research Methods in Behavioral Science
- Elective Courses: at least 30 credits
Students are required to choose on(or up to two) tracks including
 - 1) Accounting (at least 12 credits)
 - BA511 Financial Accounting
 - BA512 Accounting Information and Capital Market
 - BA521 Microeconomic Analysis [substitution: BA621 Microeconomic Theory]
 - 1 Course among
 - BA811 Seminar in Financial Accounting
 - BA812 Analytical Research in Accounting
 - BA813 Empirical Methods in Financial Accounting
 - BA814 Special Topics in Accounting Research
 - 2) Managerial Economics (at least 9 credits)
 - BA521 Microeconomic Analysis
[substitution: BA621 Microeconomic Theory, BA624 Industrial Organization]
 - BA522 Econometrics [substitution: BA721 Applied Econometrics]
 - BA623 Economics of Innovation
 - 3) Finance (at least 9 credits)
 - BA521 Microeconomic Analysis [substitution: BA621 Microeconomic Theory]
 - BA631 Theory of Finance I
 - BA632 Theory of Finance II
 - 4) Organization and Strategic Management (at least 9 credits)
 - BA542 Organizational Behavior

BA543 Strategic Management
BA544 R & D Management

5) Marketing (at least 9 credits)

BA551 Marketing Theory
BA652 Marketing Data Analysis [substitution: BA651 Theories in Consumer Behavior]
BA751 Advanced Issues in Marketing

6) IT Management (at least 9 credits)

BA561 IT Management
BA562 Business System Analysis and Design
BA563 Business Media and Communication

7) Operations Strategy and Management Science (at least 9 credits)

BA521 Microeconomic Analysis [substitution: BA621 Microeconomic Theory]
2 Course among
BA571 Mathematical Programming
BA572 Operations Management
BA522 Econometrics
BA683 Time series analysis and forecasting

- Research: at least 9 credits (including seminar credits)
 - Seminar: 1 (required) ("CC010 Leadership Lecture" is counted as seminar)
 - Personal Research : up-to 3 credit

- English Proficiency Requirement
 - Students are required to complete at least two English Courses. (BUS Courses)
 - BUS927 Business Presentation
 - BUS929 Academic Writing in English
 - This requirement can be waived for the students who have passed English screening test.

2) Doctoral Program: at least 66 credits and 1AU

(at least 36 credits for coursework + at least 30 research credits,
not required, if you have already fulfilled this in the master's program.)

Mandatory General	Mandatory Major	Elective	Research	Total
3 (1AU)	3	30	30	66

- Mandatory General Courses: 3 credits & 1AU
- Mandatory Major Courses: at least 3 credits
- Research: at least 30 credits
 - Personal Research : no more than 7 credit
 - Don't admit credits to take in Master's degree
- Elective Courses: at least 30 credits

Students are required to choose on(or up to two) tracks including

1) Accounting (at least 21 credits)

BA521 Microeconomic Analysis [substitution: BA621 Microeconomic Theory]

BA522 Econometrics

[substitution: BA681 Multivariate Statistical Analysis, BA683 Time series analysis and forecasting]

BA632 Theory of Finance II

BA811 Seminar in Financial Accounting

BA812 Analytical Research in Accounting

BA813 Empirical Methods in Financial Accounting

BA814 Special Topics in Accounting Research

2) Managerial Economics (at least 12 credits)

BA521 Microeconomic Analysis

[substitution: BA621 Microeconomic Theory, BA624 Industrial Organization]

BA522 Econometrics [substitution: BA721 Applied Econometrics]

BA622 Game Theory and Applications

BA623 Economics of Innovation

3) Finance (at least 9 credits)

BA631 Theory of Finance I

BA632 Theory of Finance II

BA635 Empirical Studies in Finance

[substitution: BA732 Empirical Corporate Finance, BA734 Empirical Asset Pricing,

BA736 Empirical Research in Capital Markets, BA737 Financial Econometrics]

4) Organization and Strategic Management (at least 18 credits)

BA542 Organizational Behavior

BA543 Strategic Management

BA544 R & D Management

3 Courses among

BA741 Advanced Research Methods BA742 Organization Theory

BA743 Advanced Strategic Management

BA744 Advanced Technology and Innovation Management

[substitution: BA623 Economics of Innovation]

5) Marketing (at least 9 credits)

BA551 Marketing Theory

BA652 Marketing Data Analysis [substitution: BA651 Theories in Consumer Behavior]

BA751 Advanced Issues in Marketing

6) IT Management (at least 15 credits)

BA561 IT Management

BA562 Business System Analysis and Design

BA563 Business Media and Communication

BA761 Special Topics in Research I or, BA762 Special Topics in Research II

BA861 Research Methodology I or, BA862 Research Methodology II

7) Operations Strategy and Management Science (at least 12 credits)

BA521 Microeconomic Analysis [substitution: BA621 Microeconomic Theory]

3 Courses among

BA571 Mathematical Programming

BA572 Operations Management

BA771 Operations Strategy

BA522 Econometrics

BA681 Multivariate Statistical Analysis

BA683 Time series analysis and forecasting

◦ Research: at least 30 credits

- Personal Research : up-to 7 credit

- Don't admit credits to take in Master's degree

◦ English Proficiency Requirement

- Students are required to complete at least three English Courses. (BUS Courses)

BUS928 Teaching Effectiveness in English

BUS927 Business Presentation

BUS929 Academic Writing in English

[BUS927 and BUS929 can be waived for the students who have passed English screening test]

- Students are required to obtain level 8(Advanced-Mid) or higher score in OPI Test before final evaluating dissertations for requesting degrees. Thus, Doctoral students are required to get the English Teaching Effectiveness Certificate.

◦ Completion of Business Basic Course

Doctoral students of the Department of Management Engineering must complete at least three courses from one course in each Business Basic Course as listed below, excluding courses on one's major However, students who have taken the courses before entering the program or have been recognized the credits by the school can be exempted from the requirement.

Business Basic Course	Note (Substitutive Course)
BA511 Financial Accounting	MGT560 Financial Accounting
BA521 Microeconomic Analysis	MGT564 Microeconomic Analysis
BA631 Theory of Finance I	

BA542 Organizational Behavior, BA543 Strategic Management	
BA551 Marketing Theory	
BA561 IT Management	MGT542 Management Information Systems
BA572 Operations Management	

◦ Notes

- The revised course requirement applies for students entering in 2013
- The revised course requirement can be applied to students who entered in or before 2012 with the approval of department chair
- Be admitted until 9 credits from other program.
- The credits earned in the Master's course work can be used towards the Doctoral degree (except research credits).