

Course Requirements

□ Thesis Degree

| Mandatory General | Mandatory Major | Elective | Research | Total Requirement |
|-------------------|-----------------|----------|----------|-------------------|
| 3, 1AU | 12 | 30 | 9 | 54, 1AU |

A. Total Required Credits: 54 Credits or more and 1AU

B. Mandatory General Courses: 3 credits and 1AU

CC020 Ethics and Safety (0, 1AU)

CC511 Probability and Statistics (3)

[Substitute: FE502 Statistical Analysis for Finance (1.5), FE512 Econometric Analysis for Finance (1.5)]

C. Mandatory Major Courses: 12 credits

FE501 Stochastic Calculus for Finance (1.5)

FE503 Fundamentals of Investment and Asset Pricing (1.5)

FE504 Analysis of Fixed Income Securities (1.5)

FE505 Derivatives (1.5)

FE507 Financial Statement Analysis (1.5)

FE511 Applications in Stochastic Calculus for Finance (1.5)

FE639 Research Methods in Financial Engineering I (1.5)

FE649 Research Methods in Financial Engineering II (1.5)

※ The mandatory courses can be waived up to 9 credits with a permission of instructor and with an approval of the chair professor. Students exempted from taking mandatory courses must replace the waived credits with electives.

D. Elective Courses: 30 Credits or more

※ The chair professor reviews courses taken from global study programs or dual degree programs to apply them to modules respectively and they are counted as elective credits. Maximum of 18 credits can be transferred to KAIST.

① Track(Optional)

Students can choose one of the following tracks (or all) depending on their interests and select electives satisfying what the tracks require. Students are required to report which track they wish to complete and request for a track certification during their last semester (early April or November).

- Green Finance Track

This track requires minimum of 9 credits from below courses offered by Graduate School of Green Growth or from Green Finance Module.

GG501 Introduction to Green Business (3)

GG510 Green Technologies and Green Industries (3)

GG531 Green Accounting (1.5)

GG532 Carbon Emission Trading Market and Carbon Finance (1.5)

GG535 Valuation of Green Firms (1.5)

GG536 Green Fund Investment Strategy (1.5)

GG537 Green Derivatives (1.5)

GG538 Case Study in Green Finance (1.5)

※ Students are required to take both ‘GG501 Introduction to Green Business’ and ‘GG510 Green Technologies and Green Industries.’

- Green Policy Track

This track requires minimum of 9 credits from below courses offered by Graduate School of Green Growth.

GG501 Introduction to Green Business (3)

GG510 Green Technologies and Green Industries (3)

GG570 Green Growth Policy (3)

E. English Proficiency Requirement

- ① Students are required to complete two BUS900 level English courses. This requirement is waived for students who have obtained S Level of Oral Proficiency Interview (OPI).

F. Research : Thesis Research 9 credits

G. Application

This curriculum applies to students from the year 2014 and after.

H. Interim measures

- ① Students who have entered in 2013 may apply to equivalent track(s) upon receiving approval from the chair professor, when they complete modified green finance and new green policy track.