Major Course Requirements for
Economics Minor Program
(For undergraduate students admitted in 2015 or before)

Please check the common graduation requirements separately.

◼ **Credit Requirements for Graduation:** a minimum of 18 credits

◼ **Minor:** a minimum of 18 credits

○ **Mandatory Major Courses:** 6 credits
- ECN201 Microeconomics Principles(3), ECN202 Macroeconomics Principles(3)

○ **Elective Major Courses:** at least 12 credits
- Elective Major(Metrics): a minimum of 3 credits or a maximum of 6 credits
  MAS250 Probability and Statistics(3), MAS350 Elementary Probability Theory(3), MAS355 Mathematical Statistics(3) - only one course out of the three courses is counted toward the course requirements.
  ECN301 Econometrics(3), MAS456 Statistical Methods with Computer(3)

- Elective Major(Intermediate) : 6 credits
  ECN311 Intermediate Microeconomics(3), ECN312 Intermediate Macroeconomics(3), ECN402 International Economics(3), ECN413 Industrial Organization(3),
  Only one of either ECN415 Game Theory(3) or MAS476 Game Theory(3) is counted toward the course requirements,
  ECN481 Special Topics in Economics(3)

- Elective Major(Convergence): If students take only one course (3 credits) from the elective major(metrics) courses, they are required to fulfill the credit requirements by taking one course (3 credits) from the courses of elective major(convergence).
  MAS371 Introduction to Financial Mathematics(3),
  MAS471 Financial Mathematics and Stochastic Models(3),
  ECN403 Financial Economics(3), ECN455 Network Economics(3)

☐ **Interim Measures**

○ Students admitted in 2015 or before can choose to follow the completion requirements applicable to students admitted in 2016 and after if desired.
○ Restrictions:

- If students pursuing a double major or a minor in School of Business and Technology Management(Old Management Science) apply for Economics Minor Program, they are required to comply with the new course requirements applicable to students admitted in 2013 and after.
- The School of Business and Technology Management (IT Business) students are not eligible to apply for Economics Minor Program.

○ Double-Counting Policies:
  - A maximum of one overlapping course (3 credits) of Economics Minor Program can be double counted with other minor program.
  - A maximum of two overlapping courses (6 credits) of Economics Minor Program can be double counted with other double major/major program.

Major Course Requirements for
Economics Minor Program
(For undergraduate students admitted in 2016 and after)

Please check the common graduation requirements separately.

▣ **Credits Requirements for Graduation:** a minimum of 18 credits

▣ **Minor:** a minimum of 18 credits
    ○ **Mandatory Major Courses:** 6 credits
       - ECN201 Microeconomics Principles(3), ECN202 Macroeconomics Principles(3)

    ○ **Elective Major Courses:** at least 12 credits
       - Elective Major(Metrics): a minimum of 3 credits
       MAS250 Probability and Statistics(3), MAS350 Elementary Probability Theory(3), MAS355 Mathematical Statistics(3) - only one course out of the three courses is counted toward the course requirements.
       ECN301 Econometrics(3), MAS456 Statistical Methods with Computer(3))

       - Elective Major(Intermediate) : 6 credits
       ECN311 Intermediate Microeconomics(3), ECN312 Intermediate Macroeconomics(3), ECN402 International Economics(3), ECN413 Industrial Organization(3),
       Only one of either ECN415 Game Theory(3) or MAS476 Game Theory(3) is counted toward the course requirements,
       ECN481 Special Topics in Economics(3)

       - Elective Major(Convergence): If students take only one course (3 credits) from the elective major(metrics) courses, they are required to fulfill the credit requirements by taking one course (3 credits) from the courses of elective major(convergence).
       MAS371 Introduction to Financial Mathematics(3),
       MAS471 Financial Mathematics and Stochastic Models(3),
       ECN403 Financial Economics(3), ECN455 Network Economics(3)

    ※ Major course credits cannot be double counted toward any other academic program.

□ **Interim Measures**

    Students admitted in 2015 or before can follow the completion requirements listed above if desired.

Table of Curriculum

Classification		Course No.	Course Code	Course Title	Lecture:Lab: Credit (Assignment)	Semester	Remarks
Mandatory Major		ECN201	A4.201	Microeconomics Principles	3:0:3(6)	Spring	
		ECN202	A4.202	Macroeconomics Principles	3:0:3(6)	Spring	
Elective Major	Elective (Metrics)	MAS250	25.250	Probability and Statistics	3:1:3(6)	-	◇
		MAS350	25.350	Elementary Probability Theory	3:0:3(6)	-	◇
		MAS355	25.355	Mathematical Statistics	3:0:3(6)	-	◇
		ECN301	A4.301	Econometrics	3:0:3(6)	Fall	
		MAS456	25.456	Statistical Methods with Computer	2:3:3(6)	-	◎
	Elective (Inherence)	ECN311	A4.311	Intermediate Microeconomics	3:0:3(6)	Fall	
		ECN312	A4.312	Intermediate Macroeconomics	3:0:3(6)	Fall	
		ECN402	A4.402	International Economics	3:0:3(6)	Spring	◎
		ECN413	A4.413	Industrial Organization	3:0:3(6)	Spring	◎
		ECN415	A4.415	Game Theory	3:0:3(6)	Fall	◎,△
		MAS476	25.476	Game Theory	3:0:3(6)	-	◎,△
		ECN481	A4.481	Special Topics in Economics	3:0:3(6)	Spring, Fall	◎
	Elective (Convergence)	MAS371	25.371	Introduction to Financial Mathematics	3:1:3(6)	-	
		MAS471	25.471	Financial Mathematics and Stochastic Models	3:0:3(6)	-	◎
		ECN403	A4.403	Financial Economics	3:0:3(6)	Fall	◎
		ECN455	A4.455	Network Economics	3:0:3(6)	Fall	◎

※ ◎: Course mutually recognized by undergraduate and graduate programs

※ ◇: Only one course is counted toward the completion requirements among the courses marked "◇"

※ △: Only one course is counted toward the completion requirements among the courses marked "△"

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

Substitute Course List

Substitute Courses in the Program (Department of Mathematical Sciences)					
Classification	**Courses Currently Offered**		**Courses Currently Not Offered**		
	Course No.	Course Title	Course No.	Course Title	Remarks
Undergraduate	MAS250	Probability and Statistics	MA250	Probability and Statistics	
Undergraduate	MAS250	Probability and Statistics	AM250	Probability, Statistics and Their Applications	
Undergraduate	MAS350	Elementary Probability Theory	MA450	Probability Theory and its Application	
Undergraduate	MAS350	Elementary Probability Theory	AM350	Elementary Probability and Simulation	
Undergraduate	MAS355	Mathematical Statistics	MA455	Mathematical Statistics	
Undergraduate	MAS355	Mathematical Statistics	AM360	Applied Statistics	
Undergraduate	MAS456	Statistical Methods with Computer	AM462	Statistical Methods with Computer	
Undergraduate	MAS371	Introduction to Financial Mathematics	AM465	Introduction to Financial Mathematics	

Substitute Courses in the Program					
Classification	**Courses Offered by the Program**		**Courses Offered by Other Academic Programs**		
	Course No.	Course Title	Course No.	Course Title	Remarks
Undergraduate	ECN201	Microeconomics Principles	MSB215	Microeconomics	Two-way
Undergraduate	ECN202	Macroeconomics Principles	MSB316	Macroeconomics	Two-way
Undergraduate	ECN301	Econometrics	MSB301	Econometrics	Two-way
Undergraduate	ECN402	International Economics	MSB402	International Economics	Two-way
Undergraduate	ECN413	Industrial Organization	MSB413	Industrial Organization	Two-way
Undergraduate	ECN415	Game Theory	MSB415	Game Theory	Two-way

※ Course substitutions may differ based on the course requirements by admitted year.