

2021 Course Curriculum

Green Business and Policy Program

Graduation Requirements

Graduation Path	Common Core	Major Mandatory	Elective	Research	Total
Non-Thesis	3 credits, 1AU	9 credits	30 credits+	3 credits+	45 credits
Thesis	3 credits, 1AU	12 credits	24 credits+	6 credits+	45 credits

Course Offering

Common Core Courses: 3 credits and 1AU

- CC511 Probabilities and Statistics (3)
[Substitution: BIT500 Management Statistical Analysis]
- CC020 Ethics and Safety I (1AU)

Major Mandatory Courses

Non-Thesis: 9 credits

- BGM500 Introduction to Green Business (3)
- BGM501 Green Technologies and Green Industries (3)
- BGM502 Research on Green Growth Strategy (3)

Thesis: 12 credits

- BGM500 Introduction to Green Business (3)
- BGM501 Green Technologies and Green Industries (3)
- BGM502 Research on Green Growth Strategy (3)
- BGM503 Research Methodology for Green Business (3)

Elective Courses

Non-Thesis: 30 credits +

Thesis: 24 credits +

※ Students are required to complete more than 9 credits of elective courses in Green Business and Policy Program.

※ Students can choose maximum 2 concentrations from below areas and course subject can only be counted as one of the concentration

Sustainable Finance Concentration (9 credits+)

- BGM530 Green Business Financial Feasibility Assessment (3)
- BGM540 Green Accounting (1.5)
- BGM541 Green Firm Valuation and Social Finance (1.5)

- BGM542 Green Fund Investment Strategy (1.5)
- BGM543 Green Derivatives (1.5)
- BGM551 Energy and Environment Economics (3)
- BGM640 Carbon Emission Trading Market and Carbon Finance (1.5)
- BGM642 Climate-related Financial Disclosures (1.5)
- BGM660 Green Technology R&D and Green Industry Policy (1.5)

■ **Sustainable Development Policy Concentration (9 credits+)**

- BGM550 Climate Change and International Collaboration (3)
- BGM551 Energy and Environment Economics (3)
- BGM560 Environmental Issues and Policy Analysis (1.5)
- BGM621 4th Industrial Revolution and Green Technology (1.5)
- BGM640 Carbon Emission Trading Market and Carbon Finance (1.5)
- BGM650 Green Growth Policy (3)
- BGM651 Green Macroeconomics (3)
- BGM660 Green Technology R&D and Green Industry Policy (1.5)
- BGM663 Food, Forest and Water Policy (1.5)

■ **Sustainable Business Concentration (9 credits+)**

- BGM521 Green Marketing (1.5)
- BGM522 Green Innovation and Strategy (1.5)
- BGM523 Creating Green Business and Commercialization (1.5)
- BGM524 Green Value Chain and Carbon Management (1.5)
- BGM530 Green Business Financial Feasibility Assessment (3)
- BGM540 Green Accounting (1.5)
- BGM541 Green Business Financial Feasibility Assessment (1.5)
- BGM610 Green IT and Smart Grid (3)
- BGM621 4th Industrial Revolution and Green Technology (1.5)
- BGM640 Carbon Emission Trading Market and Carbon Finance (1.5)
- BGM650 Green Growth Policy (3)
- BGM660 Green Technology R&D and Green Industry Policy (1.5)

○ **Research Courses**

- Non-thesis: 3 credits + (BGM950 Sustainability Projects)
- Thesis: 6 credits + (BGM960 Thesis for Graduate Students)

○ **English Proficiency Requirement**

Students are required to complete two BME900-level English courses. Language requirement can be exempted if students obtain S Level in Oral Proficiency Interview(OPI) or who earned 9 or more credits as an exchange student or dual degree program.

○ **Notes**

This curriculum applies to students who entered in **2021 and after. However, students who have entered in 2020 or before may apply for this modified course requirement upon receiving** approval from the department chair.

- The recognition of alternative subjects according to the change of curriculum shall be in accordance with the list of alternative courses.

List of Courses

Course Type	Couse Number	Course Titles	Credit	Semester	Remarks
Common Core	CC020	Ethics and Safety I	1:0:0	Spring & Fall	
Common Core	CC511	Probability and Statistics	2:3:3	Spring or Fall	BIT500*
Mandatory	BGM500	Green Business Theory	3:0:3	Spring or Fall	
Mandatory	BGM501	Green Technologies and Green Industries	3:0:3	Spring or Fall	
Mandatory	BGM502	Studies on Green Growth Strategy	3:0:3	Spring or Fall	
Mandatory	BGM503	Research Methodology for Green Business	3:0:3	Spring or Fall	Only for Thesis Student
Elective	BGM510	Climate Change and Green Business	3:0:3	Spring or Summer or Fall	
Elective	BGM511	Green Information Systems	3:0:3	Spring or Fall	
Elective	BGM521	Green Marketing	1.5:0:1.5	Spring or Fall	
Elective	BGM522	Green Innovation and Strategy	1.5:0:1.5	Spring or Fall	
Elective	BGM523	Creating Green Business and Commercialization	1.5:0:1.5	Spring or Fall	
Elective	BGM524	Green Value Chain and Carbon Management	1.5:0:1.5	Spring or Fall	
Elective	BGM530	Green Business Financial Feasibility Assessment	3:0:3	Spring or Fall	
Elective	BGM540	Green Accounting	1.5:0:1.5	Spring or Fall	
Elective	BGM541	Green Firm Valuation and Social Finance	1.5:0:1.5	Spring or Fall	
Elective	BGM542	Green Fund Investment Strategy	1.5:0:1.5	Spring or Summer or Fall	
Elective	BGM543	Green Derivatives	1.5:0:1.5	Spring or Fall	
Elective	BGM550	Climate Change and International Collaboration	3:0:3	Spring or Fall	
Elective	BGM551	Energy and Environment Economics	3:0:3	Spring or Fall	
Elective	BGM552	Sustainable Development Policy	3:0:3	Spring or Fall	
Elective	BGM553	Microeconomics and the Environment	3:0:3	Spring or Fall	
Elective	BGM554	Energy Technologies and Economic Evaluation	3:0:3	Spring or Fall	
Elective	BGM560	Environmental Issues and Policy Analysis	1.5:0:1.5	Spring or Fall	
Elective	BGM610	Green IT and Smart Grid	3:0:3	Spring or Fall	
Elective	BGM611	Case Analysis of Renewable Energy Business	3:0:3	Spring or Fall	
Elective	BGM620	Introduction to Renewable Energy and Energy Storage Systems	1.5:0:1.5	Spring or Fall	
Elective	BGM621	4th Industrial Revolution and Green Technology	1.5:0:1.5	Spring or Fall	
Elective	BGM622	Environmental and Energy System Risk Management	1.5:0:1.5	Spring or Fall	

Elective	BGM640	Carbon Emission Trading Market and Carbon Finance	1.5:0:1.5	Spring or Fall	
Elective	BGM641	Case Study in Green Finance	1.5:0:1.5	Spring or Summer or Fall	
Elective	BGM642	Climate-related Financial Disclosures	1.5:0:1.5	Spring or Fall	
Elective	BGM650	Green Growth Policy	3:0:3	Spring or Fall	
Elective	BGM651	Green Macroeconomics	3:0:3	Spring or Fall	
Elective	BGM652	Energy Industries and R&D Policy	3:0:3	Spring or Fall	
Elective	BGM660	Green Technology R&D and Green Industry Policy	1.5:0:1.5	Spring or Fall	
Elective	BGM661	Green Transportation	1.5:0:1.5	Spring or Fall	
Elective	BGM662	Green City	1.5:0:1.5	Spring or Fall	
Elective	BGM663	Food, Forest and Water Policy	1.5:0:1.5	Spring or Fall	
Elective	BGM810	Special Lecture in Green Business	3:0:3	Spring or Fall	
Elective	BGM820	Special Topics in Green Business & Policy	1.5:0:1.5	Spring or Summer or Fall	
Research	BGM950	Sustainability Projects	2:3:3	Spring or Fall	
Research	BGM951	Green Finance Projects	2:3:3	Spring or Fall	
Research	BGM960	Thesis for Graduate Students	0:0:0	Spring & Fall	

※ " * " means substitution subject.

List of Alternative Courses (Green Business and Policy Program)

Course Type	New Course Number		Previous Course Number	
	Course Number	Course Title	Course Number	Course Title
Common Core	BIT500	Management Statistical Analysis	MGT503	Management Statistical Analysis
Major Mandatory	BGM500	Green Business Theory	GG501	Green Business Theory
	BGM501	Green Technologies and Green Industries	GG510	Green Technologies and Green Industries
	BGM503	Research Methodology for Green Business	GG601	Research Methodology for Green Business
	BGM502	Studies on Green Growth Strategy	GG604	Studies on Green Growth Strategy
Elective	BGM510	Climate Change and Green Business	GG502	Climate Change and Green Business
	BGM523	Creating Green Business and Commercialization	GG511	Creating Green Business and Commercialization
	BGM620	Introduction to Renewable Energy and Energy Storage Systems	GG512	Introduction to Renewable Energy and Energy Storage Systems
	BGM611	Case Analysis of Renewable Energy Business	GG514	Case Analysis of Renewable Energy Business
	BGM540	Green Accounting	GG531	Green Accounting
	BGM640	Carbon Emission Trading Market and Carbon Finance	GG532	Carbon Emission Trading Market and Carbon Finance
	BGM530	Green Business Financial Feasibility Assessment	GG533	Financial Feasibility Assessment of Green Energy Business
	BGM541	Green Firm Valuation and Social Finance	GG535	Green Firm Valuation and Social Finance
	BGM542	Green Fund Investment Strategy	GG536	Green Fund Investment Strategy
	BGM543	Green Derivatives	GG537	Green Derivatives
	BGM641	Case Study in Green Finance	GG538	Case Study in Green Finance
	BGM521	Green Marketing	GG540	Green Marketing
	BGM522	Green Innovation and Strategy	GG542	Green Innovation and Strategy
	BGM524	Green Value Chain and Carbon Management	GG545	Green Value Chain and Carbon Management
	BGM610	Green IT and Smart Grid	GG551	Green IT and Smart Grid
	BGM622	Environmental and Energy System Risk Management	GG555	Environmental and Energy System Risk Management
	BGM650	Green Growth Policy	GG570	Green Growth Policy
	BGM660	Green Technology R&D and Green Industry Policy	GG571	Green Technology R&D and Green Industry Policy
	BGM551	Energy and Environment Economics	GG572	Energy and Environment Economics
	BGM550	Climate Change and International Collaboration	GG576	Climate Change and International Collaboration
BGM621	4th Industrial Revolution and Green Technology	GG577	4th Industrial Revolution and Green Technology	

	BGM662	Green City	GG587	Green City
	BGM663	Food, Forest and Water Policy	GG588	Food, Forest and Water Policy
	BGM661	Green Transportation	GG589	Green Transportation
	BGM560	Environmental Issues and Policy Analysis	GG591	Environmental Issues and Policy Analysis
	BGM651	Green Macroeconomics	GG592	Green Macroeconomics
Research	BGM950	Sustainability Projects	GG951	Sustainability Projects
	BGM960	Thesis for Graduate Students	GG960	Thesis for Graduate Students

Course substitution in other department					
Course Type	Other department		Graduate School of Green Growth		
	Course Number	Course Title	Course Number	Course Title	Remarks
Common Core	CC511	Probabilities and Statistics	BIT500	Management Statistical Analysis	One way Substitution