

2022 Course Curriculum for Green Business and Policy

■ **Graduation Requirements**

Graduation Path	Common Core	Major Mandatory	Elective	Research	Total
Thesis	3 credits	12 credits	Min. 24 credits	Min. 6 credits	45 credits
Non-Thesis	3 credits	9 credits	Min. 30 credits	Min. 3 credits	45 credits

■ **Credit Requirement for Graduation:** Total 45 credits

■ **Common Core Courses:** 3 credits

- CC511 Probability and Statistics (3)
[Substitution: BIT500 Management Statistical Analysis (3)]

■ **Major Mandatory Courses**

- 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)
- Non-Thesis: 9 credits
 - BGM500 Introduction to Green Business (3)
 - BGM501 Green Technologies and Green Industries (3)
 - BGM502 Research on Green Growth Strategy (3)

■ **Elective Courses**

- Thesis: Minimum 24 credits
- Non-Thesis: Minimum 30 credits
- ※ Students are required to complete more than 9 credits of elective courses offered by the Green Business and Policy Program.
- ※ Students can choose maximum 2 concentrations from below and course subject can only be counted as one of the concentrations. However, the thesis students must additionally complete the 'BGM950 Sustainable Projects'.
- Sustainable Finance Concentration (Minimum 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)
 - BGM553 Microeconomics and the Environment (3)
[Substitution : BIT505 Managerial Economics (3)]

- BGM640 Carbon Emission Trading Market and Carbon Finance (1.5)
- BGM641 Case Study in Green Finance (1.5)
- BGM660 Green Technology R&D and Green Industry Policy (1.5)

□ Sustainable Development Policy Concentration (Minimum 9 credits)

- BGM550 Climate Change and International Collaboration (3)
- BGM551 Energy and Environment Economics (3)
- BGM552 Sustainable Development Policy (3)
- BGM553 Microeconomics and the Environment (3)
[Substitution : BIT505 Managerial 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)
- BGM652 Energy Industries and R&D Policy (3)
- BGM660 Green Technology R&D and Green Industry Policy (1.5)
- BGM663 Food, Forest and Water Policy (1.5)

□ Sustainable Business Concentration (Minimum 9 credits)

- BGM521 Green Marketing (1.5)
[Substitution: BIT565 Marketing (3)]
- 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**

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

■ **English Proficiency Requirement**

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

■ **Notes**

- The above graduation requirement applies to students who entered in 2022. With the approval of department chair, the revised graduation requirement can be applied to students who entered in 2021 or before.
 - The recognition of alternative subjects according to the change of curriculum shall be in accordance with the list of alternative courses.
 - If a student who entered the school before the year of 2021 and completed BIT505 Managerial Economics will be recognized as completed BGM553 Microeconomics and Environment, and completed BIT565 Marketing will be recognized as completed BGM521 Green Marketing.

List of Courses

Course Type	Course Number	Course Titles	Credit	Semester	Remarks
Common Core	CC511	Probability and Statistics	2:3:3	Spring or Fall	BIT500*
Mandatory	BGM500	Green Business Theory	3:0:3	Spring or Fall	
	BGM501	Green Technologies and Green Industries	3:0:3	Spring or Fall	
	BGM502	Studies on Green Growth Strategy	3:0:3	Spring or Fall	
	BGM503	Research Methodology for Green Business	3:0:3	Spring or Fall	Mandatory for Thesis Students
Elective	BGM510	Climate Change and Green Business	3:0:3	Spring or Summer or Fall	
	BGM511	Green Information Systems	3:0:3	Spring or Fall	
	BGM521	Green Marketing	1.5:0:1.5	Spring or Fall	BIT565*
	BGM522	Green Innovation and Strategy	1.5:0:1.5	Spring or Fall	
	BGM523	Creating Green Business and Commercialization	1.5:0:1.5	Spring or Fall	
	BGM524	Green Value Chain and Carbon Management	1.5:0:1.5	Spring or Fall	
	BGM525	Data Analytics for Green Business and Policy	1.5:0:1.5	Spring or Fall	
	BGM530	Green Business Financial Feasibility Assessment	3:0:3	Spring or Fall	
	BGM540	Green Accounting	1.5:0:1.5	Spring or Fall	
	BGM541	Green Firm Valuation and Social Finance	1.5:0:1.5	Spring or Fall	
	BGM542	Green Fund Investment Strategy	1.5:0:1.5	Spring or Summer or Fall	
	BGM543	Green Derivatives	1.5:0:1.5	Spring or Fall	
	BGM550	Climate Change and International Collaboration	3:0:3	Spring or Fall	
	BGM551	Energy and Environment Economics	3:0:3	Spring or Fall	
	BGM552	Sustainable Development Policy	3:0:3	Spring or Fall	
	BGM553	Microeconomics and the Environment	3:0:3	Spring or Fall	BIT505*
	BGM554	Energy Technologies and Economic Evaluation	3:0:3	Spring or Fall	
	BGM560	Environmental Issues and Policy Analysis	1.5:0:1.5	Spring or Fall	
	BGM610	Green IT and Smart Grid	3:0:3	Spring or Fall	
	BGM611	Case Analysis of Renewable Energy Business	3:0:3	Spring or Fall	
BGM620	Introduction to Renewable Energy and Energy Storage Systems	1.5:0:1.5	Spring or Fall		
BGM621	4th Industrial Revolution and Green Technology	1.5:0:1.5	Spring or Fall		
BGM622	Environmental and Energy System Risk Management	1.5:0:1.5	Spring or Fall		
BGM640	Carbon Emission Trading Market and	1.5:0:1.5	Spring or Fall		

Implementation of the 2021-14th Curriculum

Course Type	Course Number	Course Titles	Credit	Semester	Remarks
		Carbon Finance			
Elective	BGM641	Case Study in Green Finance	1.5:0:1.5	Spring or Summer or Fall	
	BGM642	Climate-related Financial Disclosures	1.5:0:1.5	Spring or Fall	
	BGM650	Green Growth Policy	3:0:3	Spring or Fall	
	BGM651	Green Macroeconomics	3:0:3	Spring or Fall	
	BGM652	Energy Industries and R&D Policy	3:0:3	Spring or Fall	
	BGM660	Green Technology R&D and Green Industry Policy	1.5:0:1.5	Spring or Fall	
	BGM661	Green Transportation	1.5:0:1.5	Spring or Fall	
	BGM662	Green City	1.5:0:1.5	Spring or Fall	
	BGM663	Food, Forest and Water Policy	1.5:0:1.5	Spring or Fall	
	BGM810	Special Lecture in Green Business	3:0:3	Spring or Fall	
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	
	BGM951	Green Finance Projects	2:3:3	Spring or Fall	
	BGM960	Thesis for Graduate Students	0:0:0	Spring & Fall	

※ " * " means substitution subject.

List of Alternative Courses

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
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

Implementation of the 2021-14th Curriculum

Course Type	New Course Number		Previous Course Number	
	Course Number	Course Title	Course Number	Course Title
	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
Elective	BIT565	Marketing	BGM521	Green Marketing	One way Substitution
Major Mandatory	BIT505	Managerial Economics	BGM553	Microeconomics and the Environment	One way Substitution