



# MIT Sloan Sustainability Certificate

Certificate Pathways

Prepared by:





MIT acknowledges Indigenous Peoples as the traditional stewards of the land, and the enduring relationship that exists between them and their traditional territories. The land on which we sit is the traditional unceded territory of the Wampanoag Nation. We acknowledge the painful history of genocide and forced occupation of their territory, and we honor and respect the many diverse indigenous people connected from time immemorial to this land on which we now gather.

-MIT Institute Community & Equity Office

The MIT Sloan Sustainability Initiative is committed to actively learning from indigenous communities, with a strong emphasis on understanding, respect, responsibility, and meaningful representation.

# Ready to lead in sustainability?

The MIT Sloan Sustainability Certificate helps students turn rigorous knowledge into meaningful action.

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Since 2010, MIT Sloan's Sustainability Certificate has empowered students to cultivate and practice the skills they need to drive real change.

By joining our Certificate cohort, you'll learn from world-renowned sustainability faculty, collaborate with a passionate cohort, and join a 650+ strong alumni network.

650+

Certificate alumni taking action

100

Join a cohort of ~100 impact-driven students

50+

Choose from over 50 courses across MIT

# Unit requirements

Earn 45 units via three required courses + sustainability electives.

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Exceptions can be made under the following circumstances:

- Independent studies in lieu of one of the elective requirements
- Theses in lieu of one of the elective requirements
- Special action-learning projects in non-sustainability certificate qualified courses with a sustainability component

24-27

units earned through required courses

+

18-21

units earned through sustainability electives

=

45

units needed to earn certificate.

# Required courses

Our flagship courses provide students with the sustainability tools + strategies they need to take action.

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All students pursuing the Sustainability Certificate (*except for EMBA's*) must complete **all three courses**.

1. **System Dynamics / 15.871 or 15.873 / “SD”**  
Fall + Spring / 6 or 9 units / Faculty: Multiple
2. **Business Strategies for a Sustainable Future / 15.915 / “BSSF”**  
Spring / 9 units / Faculty: J. Jay, J. Sterman
3. **15.878 / Sustainable Business Lab / “S-Lab”**  
Spring / 9 units / Faculty: B. Patten, J. Repenning

# EMBA required courses

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Our flagship courses provide students with the sustainability tools + strategies they need to take action.

**1. Leadership & Integrative Management / 15.700**

Fall / 9 units / Faculty: Various

**2. Introduction to System Dynamics / 15.736**

Spring/Summer / 9 units / Faculty: J. Sterman

**3. Business Strategies for a Sustainable Future / 15.915 / “BSSF”**

Spring / 9 units / Faculty: J. Jay, J. Sterman

**OR**

**3. Sustainable Business Lab / “S-Lab” / 15.878**

Spring / 9 units / Faculty: B. Patten, J. Repenning

## Attention class of '24

If you are an MBA, EMBA, or Sloan Fellows MBA graduating in 2024, **you do not need to meet the 45 units requirements.**

This change, which is kicking in during the 23/24 school year, will apply to **class of 2025 and beyond.**

Next section: Degree pathways 

# Degree Pathways

## Order of programs:

- MBA
- Sloan Fellows MBA
- Executive MBA
- Leaders in Global Operations
- Supply Chain Management
- System Design Management
- Master of Science in Management Studies
- Master of Finance
- Technology + Policy Program



Sustainability Certificate Class of 2023



# MBA Pathway

	Course #	Units	Title	Fall	Spring	Fall	Spring
Required	15.915	9	Business Strategies for a Sustainable Future		<input checked="" type="checkbox"/>		
	15.871 OR	6 OR	Introduction to System Dynamics			<input checked="" type="checkbox"/>	
	15.873	9	System Dynamics for Business + Policy		<input checked="" type="checkbox"/>		
	15.878	9	Sustainable Business Lab				<input checked="" type="checkbox"/>
Potential Courses	1.740	9	Land, Water, Food, and Climate			<input checked="" type="checkbox"/>	
	2.832	12	Solving for Carbon Neutrality at MIT				<input checked="" type="checkbox"/>
	15.020	12	Economics of Energy, Innovation...			<input checked="" type="checkbox"/>	
	15.038	12	Energy Economics and Policy				<input checked="" type="checkbox"/>
	15.308	9	Leading the Way: Individual and...				<input checked="" type="checkbox"/>
	15.366	12	Climate Energy Ventures			<input checked="" type="checkbox"/>	
	15.385	6	Innovating for Impact			<input checked="" type="checkbox"/>	
	15.499	9	Social Impact Investing				<input checked="" type="checkbox"/>
	15.662	12	People + Profits: Shaping the future...				<input checked="" type="checkbox"/>
	15.768	9	Management of Services			<input checked="" type="checkbox"/>	

**Please note** - these pathways are examples / potential ways you can earn the Certificate. There are over 50 approved electives across MIT, and required classes can be taken out of the recommended order.

# Sloan Fellows Pathway

	Course #	Units	Title	Fall	IAP	Spring
Required	15.915	9	Business Strategies for a Sustainable...			<input checked="" type="checkbox"/>
	15.871	6	Introduction to System Dynamics	<input checked="" type="checkbox"/>		
	15.878	9	Sustainable Business Lab			<input checked="" type="checkbox"/>
Potential	15.020	12	Economics of Energy, Innovation, and...	<input checked="" type="checkbox"/>		
	15.232	6	Breakthrough Ventures			<input checked="" type="checkbox"/>
	15.385	6	Innovating for Impact	<input checked="" type="checkbox"/>		
	15.499	9	Social Impact Investing	<input checked="" type="checkbox"/>		
	15.671	6	U-Lab: Transforming Self, Business, and...	<input checked="" type="checkbox"/>		
	15.768	9	Management of Services	<input checked="" type="checkbox"/>		
	15.S59	3	SSIM: DEI & ESG Data Disclosure in the Future of 'Woke Capitalism'		<input checked="" type="checkbox"/>	

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# Executive MBA Pathway

	Course #	Units	Title	Fall	IAP	Spring	SU	Fall	IAP	Spring
Required	15.700	9	Leadership & Integrative Management	<input checked="" type="checkbox"/>						
	15.915 OR	9	Business Strategies for a Sustainable Future							<input checked="" type="checkbox"/>
	15.878	9	Sustainable Business Lab							<input checked="" type="checkbox"/>
	15.736	9	Introduction to System Dynamics				<input checked="" type="checkbox"/>			
Potential	5.811	6	Fifty Years of US Energy Policy							
	15.385	6	Innovating for Impact					<input checked="" type="checkbox"/>		
	15.701	15	Innovation-Driven Entrepreneurial...			<input checked="" type="checkbox"/>	*approved project			
	15.708	12	Global Organizations Lab: Project							<input checked="" type="checkbox"/> *approved project
	15.723	12	Advanced Applied Macroeconomics...							<input checked="" type="checkbox"/>
	15.S51	3	SSIM: Innovation Through Analytics and Sensing in Food and Agriculture...						<input checked="" type="checkbox"/>	
	15.S65	3	SSIM: Smarter Together...But How: Leveraging DEI to Amplify Opportunities		<input checked="" type="checkbox"/>					
	15.S62	3	SSIM: Management of Services		<input checked="" type="checkbox"/>					

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# LGO Pathway

Course #	Units	Title	Fall	Spring	Fall	Spring	
Required	15.915	9	Business Strategies for a Sustainable Future		<input checked="" type="checkbox"/>		
	15.871 OR	6 OR	Introduction to System Dynamics			<input checked="" type="checkbox"/>	
	15.873	9	System Dynamics for Business + Policy		<input checked="" type="checkbox"/>		
	15.878	9	Sustainable Business Lab				<input checked="" type="checkbox"/>
Potential Courses	15.308	9	Leading the Way: Individual and Org..				<input checked="" type="checkbox"/>
	15.385	6	Innovating for Impact			<input checked="" type="checkbox"/>	
	15.671	6	U-Lab: Transforming Self, Business...			<input checked="" type="checkbox"/>	
	15.768	9	Management of Services			<input checked="" type="checkbox"/>	
	15.308	9	Leading the Way: Individual and...		<input checked="" type="checkbox"/>		
	2.S985	12	Special Subject in Mechanical Engin...			<input checked="" type="checkbox"/>	
	SCM.290	6	Sustainable Supply Chains		<input checked="" type="checkbox"/>		

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# SCM Pathway

	Course #	Units	Title	Fall	Jan	Spring
Required	15.915	9	Business Strategies for a Sustainable Future			<input checked="" type="checkbox"/>
	15.871 OR	6 OR	Introduction to System Dynamics OR	<input checked="" type="checkbox"/>		
	15.873	9	System Dynamics for Business + Policy			<input checked="" type="checkbox"/>
	15.878	9	Sustainable Business Lab			<input checked="" type="checkbox"/>
Potential Courses	15.385	6	Innovating for Impact	<input checked="" type="checkbox"/>		
	15.768	9	Management of Services	<input checked="" type="checkbox"/>		
	15.769	9	Operations Strategy			<input checked="" type="checkbox"/>
	SCM.124	12	Energy Systems and Climate Change	<input checked="" type="checkbox"/>		
	SCM.283	6	Humanitarian Logistics			<input checked="" type="checkbox"/>
	SCM.290	6	Sustainable Supply Chains			<input checked="" type="checkbox"/>

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# SDM Pathway

	Course #	Units	Title	Fall	Jan	Spring
Required	15.915	9	Business Strategies for a Sustainable Future			<input checked="" type="checkbox"/>
	15.871 OR	6 OR	Introduction to System Dynamics OR	<input checked="" type="checkbox"/>		
	15.873	9	System Dynamics for Business + Policy			<input checked="" type="checkbox"/>
	15.878	9	Sustainable Business Lab			<input checked="" type="checkbox"/>
Potential Courses	15.020	12	Econ of Energy, Innovation & Sustainability	<input checked="" type="checkbox"/>		
	15.270	6	Ethical Practice			<input checked="" type="checkbox"/>
	15.499	6	Social Impact Investing			<input checked="" type="checkbox"/>
	15.657	12	Tech, Globalization & Sus Development	<input checked="" type="checkbox"/>		
	15.769	9	Operations Strategy			<input checked="" type="checkbox"/>
	15.783	12	Product Design & Development			<input checked="" type="checkbox"/>

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# MSMS Pathway

	Course #	Units	Title	Fall	Jan	Spring
Required	15.915	9	Business Strategies for a Sustainable Future			<input checked="" type="checkbox"/>
	15.871 OR	6 OR	Introduction to System Dynamics OR	<input checked="" type="checkbox"/>		
	15.873	9	System Dynamics for Business + Policy			<input checked="" type="checkbox"/>
	15.878	9	Sustainable Business Lab			<input checked="" type="checkbox"/>
Potential Courses	11.371	12	Sustainable Energy	<input checked="" type="checkbox"/>		
	15.014	6	Applied Maco- and Int'l Econ II			<input checked="" type="checkbox"/>
	15.020	12	Econ of Energy, Innovation & Sustainability	<input checked="" type="checkbox"/>		
	15.375	12	Global Ventures	<input checked="" type="checkbox"/>		
	15.499	6	Social Impact Investing			<input checked="" type="checkbox"/>
	SCM.290	6	Sustainable Supply Chains			<input checked="" type="checkbox"/>

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# MFin Pathway

	Course #	Units	Title	Fall	Jan	Spring
Required	15.915	9	Business Strategies for a Sustainable Future			<input checked="" type="checkbox"/>
	15.871 OR	6 OR	Introduction to System Dynamics OR	<input checked="" type="checkbox"/>		
	15.873	9	System Dynamics for Business + Policy			<input checked="" type="checkbox"/>
	15.878	9	Sustainable Business Lab			<input checked="" type="checkbox"/>
Potential Courses	15.255	12	Modern Business in China: China Lab			<input checked="" type="checkbox"/> *approved project
	15.385	6	Innovating for Impact	<input checked="" type="checkbox"/>		
	15.453	3	Finance Lab		<input checked="" type="checkbox"/> *approved project	
	15.499	9	Social Impact Investing	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
	15.671	6	U-Lab: Transforming Business, Society...	<input checked="" type="checkbox"/>		

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# TPP Pathway

	Course #	Units	Title	Fall	Spring	Fall	Spring
Required	15.915	9	Business Strategies for a Sustainable Future		<input checked="" type="checkbox"/>		
	15.871 OR	6 OR	Introduction to System Dynamics			<input checked="" type="checkbox"/>	
	15.873	9	System Dynamics for Business + Policy		<input checked="" type="checkbox"/>		
	15.878	9	Sustainable Business Lab				<input checked="" type="checkbox"/>
Potential Courses	IDS.435	12	Law, Technology, and Public Policy			<input checked="" type="checkbox"/>	
	IDS.521	12	Energy Systems for Climate Change...			<input checked="" type="checkbox"/>	
	SCM.290	6	Sustainable Supply Chains				<input checked="" type="checkbox"/>
	15.032	12	Engineering, Economics and Regulation...				<input checked="" type="checkbox"/>
	15.657	9	Technology, Globalization & Sustainable...		<input checked="" type="checkbox"/>		
	2.S985	12	Special Subject in Mechanical Engin...			<input checked="" type="checkbox"/>	

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Certificate →**



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