

## MASTER'S DEGREES IN SUPPLY CHAIN MANAGEMENT

### Master of Applied Science in Supply Chain Management (Residential Program)

The Master of Applied Science in Supply Chain Management residential degree is a 10-month, full-time program that requires a minimum of 90 units of subject credit. The subject requirements for this program are described below.

#### Subject Requirements <sup>1</sup>

##### Core Subjects

15.871	Introduction to System Dynamics	6
SCM.250	Analytical Methods for Supply Chain Management	6
SCM.252	Supply Chain Software	3
SCM.259	Business Writing for Supply Chain Management	3
SCM.260[J]	Logistics Systems	12
SCM.262	Leading Global Teams	6
SCM.263	Advanced Writing Workshop for SCM	3
SCM.264	Database Analysis for Supply Chain Management	12
SCM.265[J]	Global Supply Chain Management	6
SCM.803	Supply Chain Leadership Workshop	3

##### Financial Analysis Focus

Select one of the following: 9

15.011	Economic Analysis for Business Decisions	
15.521	Cost Analysis and Accounting for the Manager, Entrepreneur, and Investor	
SCM.251 & SCM.253	Supply Chain Financial Analysis and Case Studies in Supply Chain Financial Analysis	

##### Strategy Focus

SCM.261[J]	Case Studies in Logistics and Supply Chain Management	9
or 15.769	Operations Strategy	

##### Electives

Select a minimum of 3 units from the list of electives 3

##### Capstone

SCM.800	Capstone Project in Supply Chain Management	9
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Total Units 90

<sup>1</sup> Students who have already successfully completed one of the required subjects at a graduate level elsewhere may petition to replace that subject with another elective.

#### Electives

The subjects listed below are recommended but other choices can be approved by the graduate advisor.

15.062[J]	Data Mining: Finding the Data and Models that Create Value	6
15.321	Improvisational Leadership: In-the-Moment Leadership Skills	6
15.390	New Enterprises	12
15.399	Entrepreneurship Lab	12
15.665	Power and Negotiation	9
15.671	U-Lab: Transforming Self, Business and Society	6
15.761	Introduction to Operations Management	9
15.764[J]	The Theory of Operations Management	12
15.768	Management of Services: Concepts, Design, and Delivery	9
15.872	System Dynamics II	6
15.900	Competitive Strategy	9
15.913	Strategies for Sustainable Business	6
15.915	Laboratory for Sustainable Business	6
IDS.250[J]	The Theory of Operations Management	12
IDS.305[J]	Business and Operations Analytics	6
IDS.332	Engineering Systems Analysis for Design	12
IDS.333	Risk and Decision Analysis	6
IDS.338[J]	Multidisciplinary System Design Optimization	12
IDS.735[J]	Supply Chain Planning	6
IDS.736[J]	Manufacturing System and Supply Chain Design	6
SCM.266	Freight Transportation	6
SCM.272	Supply Chain Management Workshop	3
SCM.283	Humanitarian Logistics	6

**Master of Engineering in Supply Chain Management (Residential Program)**

The MIT Center for Transportation & Logistics (<http://catalog.mit.edu/mit/research/center-transportation-logistics>) (CTL) offers a 10-month residential master's program leading to a Master of Engineering in Supply Chain Management. See the Supply Chain Management (<http://catalog.mit.edu/interdisciplinary/graduate-programs/supply-chain-management>) program description for details.

A Master of Engineering in Supply Chain Management degree requires a minimum of 78 units of graduate subjects, plus a 12 unit thesis, which collectively constitute a program of at least 90 units. The subject and thesis requirements for this program are described below.

**Subject Requirements <sup>1</sup>**

Core Subjects		
15.871	Introduction to System Dynamics	6
SCM.250	Analytical Methods for Supply Chain Management	6
SCM.252	Supply Chain Software	3
SCM.259	Business Writing for Supply Chain Management	3
SCM.260[[	Logistics Systems	12
SCM.262	Leading Global Teams	6
SCM.263	Advanced Writing Workshop for SCM	3
SCM.264	Database Analysis for Supply Chain Management	12
SCM.265[[	Global Supply Chain Management	6
SCM.803	Supply Chain Leadership Workshop	3
Financial Analysis Focus		
<i>Select one of the following:</i>		9
15.011	Economic Analysis for Business Decisions	
15.521	Cost Analysis and Accounting for the Manager, Entrepreneur, and Investor	
SCM.251 & SCM.253	Supply Chain Financial Analysis and Case Studies in Supply Chain Financial Analysis	
Strategy Focus		
SCM.261[[	Case Studies in Logistics and Supply Chain Management	9
or 15.769	Operations Strategy	
Thesis Requirement		
A Master's thesis, presentation and executive summary of the thesis are required.		

SCM.THG	Graduate Thesis	12
Total Units		90

<sup>1</sup> Students who have already successfully completed one of the required subjects at a graduate level elsewhere may petition to replace that subject with another elective.

## Master of Applied Science in Supply Chain Management (Blended Program)

The Master of Applied Science in Supply Chain Management blended degree is an intensive, five-month program consisting of a series of core and focused subjects plus a capstone experience. The MAScSCM is only available to students who have successfully completed the MITx MicroMasters credential in Supply Chain Management. The subject requirements for this program are described below.

### Subject Requirements

Through a proctored examination process, students receive advanced standing credit for the following MIT subjects which constitute the first semester of the program.

SCM.250	Analytical Methods for Supply Chain Management	6
SCM.251	Supply Chain Financial Analysis	6
SCM.260[J]	Logistics Systems	12
SCM.264	Database Analysis for Supply Chain Management	12
SCM.265[J]	Global Supply Chain Management	6

Students complete the following subjects in residence, constituting the second semester of the program.

#### Core Subjects

15.871	Introduction to System Dynamics	6
SCM.252 or SCM.272	Supply Chain Software Supply Chain Management Workshop	3
SCM.253	Case Studies in Supply Chain Financial Analysis	3
SCM.259	Business Writing for Supply Chain Management	3
SCM.262	Leading Global Teams	6
SCM.263	Advanced Writing Workshop for SCM	3
SCM.267	Global Supply Chain Applications	3

#### Strategy Focus

SCM.261[J] or 15.769	Case Studies in Logistics and Supply Chain Management Operations Strategy	9
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#### Electives

Select a minimum of 3 units from the list of electives	3
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#### Capstone

SCM.800	Capstone Project in Supply Chain Management	9
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Total Units	90
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### Electives

The subjects listed below are recommended but other choices can be approved by the graduate advisor.

15.062[J]	Data Mining: Finding the Data and Models that Create Value	6
15.321	Improvisational Leadership: In-the-Moment Leadership Skills	6
15.390	New Enterprises	12
15.399	Entrepreneurship Lab	12
15.665	Power and Negotiation	9
15.671	U-Lab: Transforming Self, Business and Society	6
15.761	Introduction to Operations Management	9
15.764[J]	The Theory of Operations Management	12
15.768	Management of Services: Concepts, Design, and Delivery	9
15.872	System Dynamics II	6
15.900	Competitive Strategy	9
15.913	Strategies for Sustainable Business	6
15.915	Laboratory for Sustainable Business	6
IDS.250[J]	The Theory of Operations Management	12
IDS.305[J]	Business and Operations Analytics	6
IDS.332	Engineering Systems Analysis for Design	12
IDS.333	Risk and Decision Analysis	6
IDS.338[J]	Multidisciplinary System Design Optimization	12
IDS.735[J]	Supply Chain Planning	6
IDS.736[J]	Manufacturing System and Supply Chain Design	6
SCM.266	Freight Transportation	6
SCM.272	Supply Chain Management Workshop	3
SCM.283	Humanitarian Logistics	6

## Master of Engineering in Supply Chain Management (Blended Program)

The Master of Engineering in Supply Chain Management blended degree is an intensive, five-month program consisting of a series of core and focused subjects plus a thesis. Consideration for admission to the blended MEng program is only available to students who have successfully completed the MITx MicroMasters credential in Supply Chain Management. The subject requirements for this program are described below.

### Subject Requirements

Through a proctored examination process, students receive advanced standing credit for the following MIT subjects which constitute the first semester of the program.

SCM.250	Analytical Methods for Supply Chain Management	6
SCM.251	Supply Chain Financial Analysis	6
SCM.260]]	Logistics Systems	12
SCM.264	Database Analysis for Supply Chain Management	12
SCM.265]]	Global Supply Chain Management	6

Students complete the following subjects in residence, constituting the second semester of the program.

#### Core Subjects

15.871	Introduction to System Dynamics	6
SCM.252	Supply Chain Software	3
or SCM.272	Supply Chain Management Workshop	
SCM.253	Case Studies in Supply Chain Financial Analysis	3
SCM.259	Business Writing for Supply Chain Management	3

#### Strategy Focus

SCM.261]]	Case Studies in Logistics and Supply Chain Management	9
or 15.769	Operations Strategy	
SCM.262	Leading Global Teams	6
SCM.263	Advanced Writing Workshop for SCM	3
SCM.267	Global Supply Chain Applications	3

#### Thesis Requirement

A Master's thesis, presentation and executive summary of the thesis are required.

SCM.THG	Graduate Thesis	12
Total Units		90