

MASTER'S DEGREES IN SUPPLY CHAIN MANAGEMENT

Master of Engineering in Supply Chain Management (Blended Program)

The Master of Engineering in Supply Chain Management degree is an intensive, five-month blended program requiring 90 units of graduate subjects. The MEng degree is only available to students who have successfully completed the MITx MicroMasters credential in Supply Chain Management. Students receive 42 units of advance standing credit for completion of the MicroMasters Credential, complete at least 36 units of required and elective subjects, and complete a 12-unit thesis. The subject requirements for this program are described below.

Subject Requirements

Students receive advanced standing credit for completion of the MicroMasters Credential, which constitutes the first semester of the program.

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| SCM.500 | Studies in Supply Chain Management | 42 |
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Students complete the following subjects in residence, constituting the second semester of the program.

IAP Required Subjects

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| SCM.254 | Analytical Methods for Supply Chain Management II | 3 |
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| SCM.258 | Written Communication Topics for Supply Chain Management | 1 |
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| SCM.262 | Leading Global Teams | 3 |
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Spring Required Subjects

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| SCM.263 | Advanced Writing Workshop for SCM | 3 |
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| SCM.281 | Supply Chain Public Speaking Workshop | 1 |
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| SCM.C51 | Machine Learning Applications for Supply Chain Management | 6 |
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| 6.C51 | Modeling with Machine Learning: from Algorithms to Applications | 6 |
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Thesis Requirement

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

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| SCM.THG | Graduate Thesis | 12 |
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Required Electives

Select 1 elective in each of the following categories, plus additional electives to meet unit requirement:

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| Finance Electives | | |
| Supply Chain Electives | | |
| Analysis Electives | | |

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| Total Units | | 90 |
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Electives

The subjects listed below are recommended. Students may select other subjects with the approval of the advisor.

Finance Electives

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| SCM.251 | Supply Chain Financial Analysis | 9 |
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| SCM.253 | Case Studies in Supply Chain Financial Analysis | 6 |
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| 15.011 | Economic Analysis for Business Decisions | 9 |
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| 15.401 | Managerial Finance | 9 |
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| 15.521 | Accounting Information for Decision Makers | 6 |
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| 15.535 | Business Analysis Using Financial Statements | 9 |
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Supply Chain Electives

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| SCM.261[J] | Case Studies in Logistics and Supply Chain Management | 6 |
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| SCM.265[J] | Global Supply Chain Management | 6 |
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| SCM.266 | Freight Transportation | 6 |
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| SCM.283 | Humanitarian Logistics | 6 |
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| SCM.284 | Humanitarian Logistics Project | 6 |
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| SCM.289 | E-Commerce and Omnichannel Fulfillment Strategies | 6 |
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| SCM.290 | Sustainable Supply Chain Management | 6 |
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| SCM.291 | Procurement Fundamentals | 6 |
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| SCM.293[J] | Urban Last-Mile Logistics | 6 |
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| SCM.294 | Digital Supply Chain Transformation | 6 |
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Analysis Electives

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| 1.200[J] | Transportation: Foundations and Methods | 12 |
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| 1.266 | Supply Chain and Demand Analytics | 6 |
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| 15.071 | The Analytics Edge | 12 |
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| 15.093[J] | Optimization Methods | 12 |
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| 15.774 | The Analytics of Operations Management | 12 |
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| 15.871 | Introduction to System Dynamics | 6 |
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| 15.872 | System Dynamics II | 6 |
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| 15.873 | System Dynamics for Business and Policy | 9 |
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| IDS.145[J] | Data Mining: Finding the Models and Predictions that Create Value | 6 |
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| IDS.147[J] | Statistical Machine Learning and Data Science | 12 |
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| IDS.305[J] | Business and Operations Analytics | 6 |
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MASTER'S DEGREES IN SUPPLY CHAIN MANAGEMENT

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| IDS.330[J] | Real Options for Product and Systems Design | 6 |
| IDS.333[J] | Risk and Decision Analysis | 6 |
| IDS.338[J] | Multidisciplinary Design Optimization | 12 |
| Management Electives | | |
| SCM.287[J] | Global Aging & the Built Environment | 12 |
| 15.025 | Game Theory for Strategic Advantage | 9 |
| 15.286 | Communicating with Data | 6 |
| 15.386 | Leading in Ambiguity: Steering Through Strategic Inflection Points | 6 |
| 15.390 | New Enterprises | 12 |
| 15.762[J] | Supply Chain: Inventory Analytics | 6 |
| 15.763[J] | Supply Chain: Capacity Analytics | 6 |
| 15.768 | Management of Services: Concepts, Design, and Delivery | 9 |
| 15.769 | Operations Strategy | 9 |
| 15.777 | Healthcare Lab: Introduction to Healthcare Delivery in the United States | 15 |
| 15.784 | Operations Laboratory | 9 |
| 15.900 | Competitive Strategy | 9 |
| 15.904 | Strategy and the CEO | 6 |
| 15.915 | Business Strategies for a Sustainable Future | 9 |