MASTER'S DEGREES IN SUPPLY CHAIN MANAGEMENT

Supply Chain Management Program (http://catalog.mit.edu/interdisciplinary/graduate-programs/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.

SCM.500 Studies in Supply Chain Management 42

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

IAP Required Subjects
SCM.254 Applied Programming and Data Analysis in Python 3
SCM.258 Written Communication Topics for Supply Chain Management 1
SCM.262 Leading Global Teams 3

Spring Required Subjects
SCM.263 Advanced Writing Workshop for SCM 3
SCM.281 Supply Chain Public Speaking Workshop 1
SCM.295 Supply Chain Study Trek 1
6.883 Advanced Topics in Artificial Intelligence 12

Finance Choices
Select one of the following: 3
SCM.253 Case Studies in Supply Chain Financial Analysis
15.401 Managerial Finance
15.521 Accounting Information for Decision Makers

Thesis Requirement
A master’s thesis, presentation, and executive summary of the thesis are required.
SCM.THG Graduate Thesis 12

Required Electives
From the list of electives, select subjects in each of the following categories:

SCM Electives 6
Analysis Electives 3
Total Units 90

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

SCM Electives
SCM.261 Case Studies in Logistics and Supply Chain Management 9
SCM.266 Freight Transportation 6
SCM.267 Global Supply Chain Management Topics 3
SCM.283 Humanitarian Logistics 6
SCM.284 Humanitarian Logistics with Project 12
SCM.290 Sustainable Supply Chain Management 6
SCM.291 Procurement Fundamentals 6
SCM.293 Urban Last-Mile Logistics 6
SCM.295 Supply Chain Study Trek 1

Analysis Electives
SCM.254 Applied Programming and Data Analysis in Python 3
15.764 The Theory of Operations Management 12
15.871 Introduction to System Dynamics 6
15.872 System Dynamics II 6
IDS.145 Data Mining: Finding the Models and Predictions that Create Value 6
IDS.147 Statistical Machine Learning and Data Science 12
IDS.330 Real Options for Product and Systems Design 6
IDS.338 Multidisciplinary Design Optimization 12

Management Electives
15.762 Supply Chain Planning 6
15.763 Manufacturing System and Supply Chain Design 6
15.768 Management of Services: Concepts, Design, and Delivery 9
15.769 Operations Strategy 9
15.784 Operations Laboratory 9