

MASTER'S DEGREES IN SUPPLY CHAIN MANAGEMENT

Master of Engineering in Supply Chain Management (Residential Program)

The Master of Engineering in Supply Chain Management degree is an intensive, 10-month residential program requiring 90 units of graduate subjects. Students complete at least 78 units of required and elective subjects, and complete a 14-unit thesis. The subject requirements for this program are described below.

Subject Requirements ¹

Fall Required Subjects

SCM.250	Analytical Methods for Supply Chain Management I	3
SCM.259	Written Communication for Supply Chain Management	3
SCM.260[J]	Logistics Systems ²	12
SCM.264	Databases and Data Analysis for Supply Chain Management ³	6
SCM.275	Advanced Supply Chain Systems Planning and Network Design	6
SCM.THG	Graduate Thesis	5

IAP Required Subjects

SCM.254	Analytical Methods for Supply Chain Management II	3
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.C51	Machine Learning Applications for Supply Chain Management	6
6.C51	Modeling with Machine Learning: from Algorithms to Applications	6
SCM.THG	Graduate Thesis	9

Required Electives ⁵

Supply Chain Track	6
Select subjects from two of these three tracks: Analytics; Leadership and Management; and Strategy.	18-38

Total Units **90-110**

¹ 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.

² With the approval of the instructor, students may substitute SCM.271 Logistics Systems Topics (3 units) plus 9 additional units of electives.

³ With the approval of the instructor, students may substitute SCM.274 Databases and Data Analysis Topics for Supply Chain Management (3 units) plus 3 additional units of electives.

⁴ With the permission of the program director, students may substitute SCM.253 Case Studies in Supply Chain Financial Analysis (6 units) plus 3 additional units of electives.

⁵ See SCM Track Electives (p.).