Degree Requirements

The Master of Science in Supply Chain Management (MS SCM) explores the key issues associated with the design and management of industrial supply chains, including methods for improving supply chain operations by lowering costs, speeding delivery, improving quality, and expanding variety. The ultimate objective is to use SCM to mold traditional business operations into competitive tools for today’s global economy. Students acquire not only knowledge of business management but also analytical decision-making skills (especially for complex systems) along with real-life experiences gained through projects with area companies.

The MS SCM program at UT Dallas is 36 credit hours and a full-time student can complete it in 12-24 months. The depth of our supply chain program, uniquely prepares students to be the next generation business leaders with skills and competencies necessary to perform across functions within an organization.

At least 36 credit hours of management coursework beyond prerequisite courses is required to earn the MS SCM degree. Students can also obtain a dual MS SCM/MBA degree by successfully completing a total of 63 credit hours (if all prerequisites are met). The MS SCM program is designed for students with or without previous educational background in supply chain management. Students must maintain a 3.0 grade point average in both core courses and in aggregate courses to qualify for the MS degree.

Waivers and Transfer of Credit

Waivers of program requirements may be granted in recognition of previous coursework completed with grade "B" or better within the past six years in a specific business program area. Waivers are approved by the appropriate program director through a process that allows a student to skip a core course and take the next higher level course in the same academic area with no reduction in the overall program hour requirements.

Transfer of credits may be granted for equivalent graduate coursework taken at other universities with a grade of "B" or better within the past six years. Up to 9 credit hours of coursework from other universities may be waived from or transferred to the MS SCM program. Please visit the UT Dallas Graduate Catalog, specifically the Transfer of Credit section for further details.

Prerequisites

Calculus is required as a graduate program prerequisite. If a student has not taken an equivalent
course already, he/she will need to complete a Math refresher course (e.g., OPRE 6303, MATH 5304) with a grade of "B" or better to meet the calculus requirement. For specific course prerequisite information, please visit the UT Dallas Graduate Catalog for further details at www.utdallas.edu/student/catalog.

Course Requirements

Basic Business Core Courses: 9 hours

All students enrolling in the MS SCM program must complete the following Basic Business Core:

  OPRE 6301  Quantitative Introduction to Risk and Uncertainty in Business
  OPRE 6302  Operations Management

And one of the following courses:

  ACCT 6305  Accounting for Managers
  FIN 6301  Financial Management

Supply Chain Management Core Courses: 9 hours

  OPRE 6366  Global Supply Chain Management
  OPRE 6370  Logistics, Distribution and Warehousing
  OPRE 6371  Purchasing, Sourcing and Contract Management

Supply Chain Management Elective Courses: 15 hours

  OPRE 6311  Game Theory
  OPRE 6325  Healthcare Operations Management
  OPRE 6332  Spreadsheet Modeling and Analytics
  OPRE 6335  Risk and Decision Analysis
  OPRE 6340  Flexible Manufacturing Strategies
  OPRE 6361  Production Planning and Control
  OPRE 6362  Project Management in Engineering and Operations
  OPRE 6363  Inventory Control
  OPRE 6364  Quality Control (Lean Six Sigma)
  OPRE 6367  Capstone Projects in Supply Chain Management
  OPRE 6368  Industrial Applications in Supply Chains
OPRE 6369  Supply Chain Software [SAP APO]
OPRE 6377  Demand and Revenue Management
OPRE 6378  Supply Chain Strategy
OPRE 6379  Product Lifecycle Management
OPRE 6385  Scheduling
OPRE 6388  Engineering Packaged Goods Distribution
OPRE 6389  Managing Energy: Risk, Investment, Technology (MERIT)

Supply Chain Technology Based Elective Courses: 3 hours

OPRE 6390  Enterprise Resource Planning (ERP)
OPRE 6391  Business Data Warehousing with SAP
OPRE 6392  IT Services Management
OPRE 6393  Database Foundations
OPRE 6394  Technology and New Product Development
OPRE 6395  The Management of High Tech Products
OPRE 6396  Negotiation and Dispute Resolution
OPRE 6397  Cross-Culture Communication and Management

Free Elective Course: optional 3 hours

This is optional. Students may choose any three credit hour graduate level course in the School of Management to satisfy this portion of the degree plan. For example:

IMS 6V96  Regional Area Studies: Eastern Europe
OPRE 6396  Negotiation and Dispute Resolution
OPRE 6397  Cross-Culture Communication and Management

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