Master of Science in Supply Chain Management

36 hours minimum

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
Supply Chain Software [SAP APO]

Demand and Revenue Management

Supply Chain Strategy

Product Lifecycle Management

Scheduling

Engineering Packaged Goods Distribution

Managing Energy: Risk, Investment, Technology (MERIT)

Supply Chain Technology Based Elective Courses: 3 hours

Enterprise Resource Planning (ERP)

Business Data Warehousing with SAP

IT Services Management

Database Foundations

Technology and New Product Development

The Management of High Tech Products

Negotiation and Dispute Resolution

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:

Regional Area Studies: Eastern Europe

Negotiation and Dispute Resolution

Cross-Culture Communication and Management

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