Naveen Jindal School of Management

Master of Science in Supply Chain Management

36 semester credit 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, and improving quality. 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. Students gain business management knowledge and analytical decision-making skills (especially for complex systems) along with real-life experiences through projects with area companies.

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. Students can also obtain a dual MS SCM/MBA degree by successfully completing a total of 63 semester credit hours (if all prerequisites are met).

Prerequisites

Calculus is required as a graduate program prerequisite. Candidates that have not taken an equivalent course will need to complete OPRE 6303 with a grade of "B" or better to meet the calculus requirement.

Course Requirements

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

Basic Business Core Courses: 9 semester credit hours

- **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 semester credit hours
Global Supply Chain Management

Global Logistics and Transportation

Purchasing, Sourcing and Contract Management

Supply Chain Management Elective Courses: 15 or 18 semester credit hours

Healthcare Operations Management

Spreadsheet Modeling and Analytics

Risk and Decision Analysis

Flexible Manufacturing Strategies

Retail Operations

Project Management in Engineering and Operations

Inventory Control

Quality Control (Lean Six Sigma)

Capstone Projects in Supply Chain Management

Industrial Applications in Supply Chains

Supply Chain Software (SAP APO)

Demand and Revenue Management

Supply Chain Strategy

Product Lifecycle Management

Models of Energy Markets

Engineering Packaged Goods Distribution

Managing Energy: Risk, Investment, Technology (MERIT)

Prescriptive Analytics

Free Elective Course: 3 semester credit hours (optional)

Students may choose one of the supply chain technology based course listed below or any three semester credit hour graduate level course within JSOM as a free elective.

Enterprise Resource Planning (ERP)

Business Data Warehousing (with SAP)

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
OPRE 6399 Business Intelligence Software and Techniques

1. Executive Education students may take FIN 6301 course as an elective with a prior approval of the program director.