

MASTER OF SCIENCE IN SUPPLY CHAIN MANAGEMENT (MS.SCM)

OBJECTIVE

The Master of Science in Supply Chain Management (MS.SCM) program is designed to develop the managerial and leadership abilities in an individual for role in managing modern day supply chains. The program not only exposes participants to the fundamental knowledge of business management but also imparts cutting edge analytical and quantitative decision-making skills, preparing participants to take the challenges of effectively managing supply chains.

The MS.SCM program also equips participants with necessary tools for conducting independent research, thus providing them with an opportunity to create state of the art knowledge in the area of Supply Chain Management.

CAREER OPPORTUNITIES

Masters in Supply Chain Management offers wide variety of career opportunities. A specialist in this field designs and manages supply chains in manufacturing and service industry, public sector, consulting firms, non-profit organizations, etc.

In today's high-tech and globally competitive world, supply chain management plays the most vital role in business success. Industrial giants in Pakistan like Unilever, Nestle Pakistan, ICI, Reckitt Benckiser P&G, Coca Cola, Metro, and many more have not only started realizing the criticality of this field but have also formally constituted departments of Supply Chain. A significant number of local companies have also made their initiative already, benchmarking these multinational companies. This trend has created an immense demand of professionally trained supply chain managers to lead the supply chain processes. The job opportunities are anticipated to grow rapidly in the future as well.

MS.SCM also enables participants to develop as effective academicians and researchers, and to pursue their careers in education and research.

ADMISSION REQUIREMENTS

Admission to MS.SCM program requires a four-year undergraduate degree in management, engineering, basic sciences, technology, or any other technical/professional area. Applicants without relevant background in management and quantitative methods may have to take additional courses to compensate for this deficiency.

Note: For admission purposes, a Masters degree along with a two-year Bachelors degree is considered equivalent to a four-year undergraduate degree.

The admission process includes assessment of the applicant through a UMT written test, followed by an interview session with the faculty of Department of Operations & Supply Chain.

CURRICULUM STRUCTURE

The MS.SCM degree requires completion of 30 credit hours, and offers two tracks:

1. **THESIS Option** (suitable for participants aspiring careers in industry, universities, and research based organizations) requiring 24 credit hours of course work, plus 6 credit hours of Thesis
2. **NON-THESIS Option** (suitable for careers in industry only) requiring 30 credit hours of course work

CORE COURSES

All participants of MS.SCM program are required to complete 12 credit hours of following core courses:

SM-615	Managing Supply Chains
SM-622	Supply Chain Modeling
SM-618	Decision Analysis in Supply Chains
SM-635	Research Methods in Operations & Supply Chain

ELECTIVE COURSES

Some of the proposed Elective courses are listed below:

SM-630	Logistics Management
SM-637	Production Planning & Inventory Control
SM-653	Vendor Selection & Development
SM-650	Project Management
SM-683	Supply Chain Strategies
SM-620	Enterprise Resource Planning
SM-687	Quality Assurance in Supply Chains
SM-677	Customer Relationship Management
SM-636	Strategic Distribution Networks
SM-690	System Dynamics
SM-628	Supply Chain Finance
SM-685	Forecasting Models
SM-673	Green Supply Chains
SM-787	Seminar in Supply Chain Management
MG-671	Strategy and Policy
MG-651	Strategic Human Resource Management
<i>SM-699</i>	<i>Thesis (6 credit hours)</i>

FACULTY

Dr. Tashfeen Mahmood Azhar

PhD Industrial Engineering, University of South Florida (USA)
Professor, Chairperson Department of Operations and Supply Chain, Director PhD Programs
tashfeen@umt.edu.pk

Kamran Rashid

MS (Manufacturing System Engineering) University of Wisconsin-Madison USA
Assistant Professor, Program Advisor (MS Supply Chain Management)
kamranrashid@umt.edu.pk

Ijaz Yusuf

Master of Industrial Engineering & Management Asian Institute of Technology Thailand
Assistant Professor, Director Centre for Supply Chain Research
ijaz.yusuf@umt.edu.pk

Asher Ramish

MSc (Production Management) Technical University Hamburg Germany
Assistant Professor, Director CENTIN
asher@umt.edu.pk

Haris Aslam

MS Supply Chain Management, University of Management and Technology Pakistan
Assistant Professor
haris.aslam@umt.edu.pk