



# Master of SUPPLY CHAIN MANAGEMENT



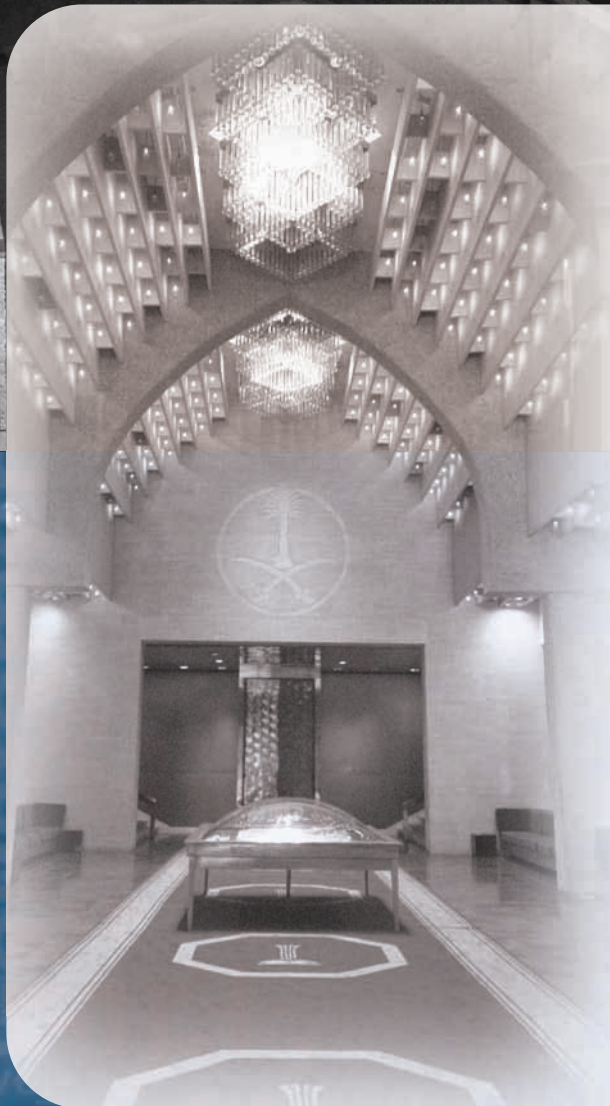
# Master of SUPPLY CHAIN MANAGEMENT



**Supply Chain Management (SCM)** focuses on effective planning and management of highly integrated product and information flows from the supplier's suppliers to the customer's customers. As organizations continuously seek to provide their products and services to customers faster, better and cheaper than the competition, managers have come to realize that they cannot do it alone. Businesses are working more closely with both their suppliers and customers to meet the needs of the ultimate consumer. Suppliers and vendors must become partners in the integrated supply chain. This represents a major change for many organizations. To manage this change successfully, organizations need highly qualified professionals equipped with the necessary expertise to progress to world class supply chain management status.

The Master of Supply Chain Management program (M-SCM) at King Fahd University of Petroleum & Minerals (KFUPM) is designed to fill the urgent need for highly qualified supply chain management professionals in the Kingdom and the region. This master level program has been developed taking into consideration input from industry and thorough review of top international programs in SCM.





The M-SCM program at KFUPM is offered as a cohort-based format. The cohort group stays intact throughout the program and plays a significant role in supporting each other's learning, motivation, and success. To accommodate the busy schedule of its participants, the program has been structured as a two-year (four semesters) program. During each semester, the participants meet every two weeks on Wednesdays and Thursdays. Classes are held at facilities designed for executive training both in and out of campus.

M-SCM participants benefit from a pool of outstanding faculty members who are dedicated scholars. Effective teaching, research, and consulting are the hallmarks of our faculty profiles. The faculty guide and coach the participants in real-life business problems that require real-life solutions.

#### The main features of the M-SCM program are:

- ◆ The first advanced supply chain management degree in the region.
- ◆ A supply chain program that delivers the integrative thinking on SCM necessary to operate in today's competitive national and international environments.
- ◆ A program that combines business strategy, engineering, and IT.
- ◆ A convenient four-semester program that keeps participants on-the-job.



## Program Objectives

- ◆ Produce supply chain professionals with a system-wide perspective who are competent in problem solving and analysis, as well as change management and leadership.
- ◆ Prepare graduate students who can implement strategies and methodologies that successfully transform the way supply chains operate while meeting customer needs and increasing profits.
- ◆ Prepare graduate students who can improve efficiency across the processes of an organization's supply chain including change management.
- ◆ Produce graduates who can demonstrate effective communication skills, both oral and written, individually and as team members.
- ◆ Equip graduate students with the ability to engage in lifelong learning and growth in the field of supply chain management.





## Learning Outcomes

At the completion of this program, students who have mastered the curriculum will be able to:

- ◆ Demonstrate mastery of the principles of world-class supply chain management.
- ◆ Evaluate supply chains from strategic, tactical and operational viewpoints
- ◆ Recognize the importance of supply chain integration in ensuring customer satisfaction with a product or service
- ◆ Access, develop, and use information to analyze supply chain problems and propose feasible solutions to support effective decision making
- ◆ Understand the implications of globalization for the practice of supply chain management
- ◆ Function effectively when in teams both as a leader and as a member.



## Admission Requirements

Successful candidates should have:

- ◆ Received a bachelor's degree or its equivalent from a recognized university and secured a GPA of at least 2.5.
- ◆ Demonstrated an analytical ability through a strong scholastic performance and/or work experience in a technically demanding position, and college-level mathematics (basic calculus and algebra) are required.
- ◆ Earned a minimum TOEFL score of 520 or other evidence of English proficiency
- ◆ Demonstrated computer literacy.
- ◆ Accrued a minimum of 2 years work experience in SCM-related areas.



## M-SCM Degree plan

Course No.	Title	No. of Credits
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### First Semester

SCM 500	Supply Chain Management	4
SCM 510	Quantitative Methods for Decision Making	3
SCM 520	Materials and Production Management	3
SCM 530	Quality Management	2

### Second Semester

SCM 550	Logistics and Distribution Management	3
SCM 540	IT and Supply Chain Management	3
SCM 552	Reverse Logistics	2
SCM 590	Independent Reading/Research	3



## M-SCM Degree plan

Course No.	Title	No. of Credits
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### Third Semester

SCM 532	Supply Chain Cost Management	2
SCM 560	Strategic Procurement and Outsourcing	3
SCM 570	Supplier Relationship Management	3
SCM 580	Organization Change Management	2

### Fourth Semester

SCM 572	Customer Relationship Management	3
SCM 582	Global supply Chain Management	3
SC M 595	Integrative project	3

Total		42
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## Admission Checklist

- ◆ A completed application form for admission to graduate studies.  
(available from: [www.kfupm.edu.sa/departments/se/SCM/](http://www.kfupm.edu.sa/departments/se/SCM/)).
- ◆ Official transcript and degree certificate of Bachelor's degree (and latest higher degree if available).
- ◆ Three recommendations from people capable of judging your professional and academic potential. We urge applicants to provide two recommendations from job-related supervisors and one from an academic source, such as a professor.
- ◆ An endorsement from the candidate's organization.
- ◆ TOEFLE score. This is not required if the candidate graduated in the US, UK, or Australia.
- ◆ One-page summary outlining your professional and personal accomplishments.
- ◆ Current résumé
- ◆ One photo
- ◆ A copy of your identity card or passport and Iqama.



## Participant perspective

One of the best programs.... It is not only a depiction of SCM theories but it is more into how those theories and principles could be applied and used in the industry. The wider scope of its content and the worldwide knowledge brought into the program by globally known Supply Chain professionals is another advantage..... Simply, it differentiates you from others.

Mutlak Al-Malki, Saudi Aramco – Materials Supply



The master of SCM at KFUPM gave me a unique opportunity to gain the skills and knowledge about supply chain proven theories, industry best practices, and new technologies in supply chain management. The combination of small group of talented students and skillful faculty, SCM Program at KFUPM was able to offer me an exceptional and memorable experience.

Mohammad Gomasani, Saudi Aramco



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