

Supply Chain Management Undergraduate Major Curriculum

Objective: To develop supply chain professionals that are capable of managing and controlling boundary-spanning activities and processes both within the firm and across the global supply chain.

18 hours SCM specific courses for majors

SCM 460 – Global Strategies for SCM

SCM411
SC Modeling &
Analysis

SCM412
SC Info.
Technology

SCM413
Supply Chain
Operations

SCM421
Global Strategic
Sourcing

SCM 422
SC Planning &
Financial
Analysis

SCM312 – Supply Chain Analytics

Resource Allocation, Procurement Decisions, Pricing, Outsourcing,
Demand Planning, Inventory Control Models; Transportation,
Assignment and Network Models

SCM311 - Intermediate SCM

Planning, Sourcing, Manufacturing and Service Operations,
and Logistics/Distribution

BA 331 – Supply Chain Management

*Choose 3 for specific
Career path development*

*SCM 311 & SCM 312
are co-requisites*

SCM 311 –Intermediate Supply Chain Management

The concepts, principles, and methods used to plan, organize, and manage supply chain elements in a global environment. A balanced view of logistics, distribution, operations and purchasing is covered along with the integration among supply chain members of these vitally important areas.

SCM 312 – Supply Chain Analytics

This course provides an introduction to the principal analytical tools and methods used in supply chain management. The course includes a heavy emphasis on the development of analytical skills to solve relevant supply chain and logistics problems including: Resource Allocation, Procurement Decisions, Pricing, Outsourcing, Demand Planning, Inventory Control Models; Transportation, Assignment and Network Models.

SCM 411 – Supply Chain Modeling and Analysis

This course explores the key issues associated with the design and analysis of dynamic, flexible, and responsive supply chain systems. Emphasis will be on the application and development of advanced modeling techniques for the analysis of strategic, tactical and operational supply chain problems including: supply chain network design, inventory management, transportation management, purchasing, demand management, and coordination among supply chain partners.)

SCM 412 – Supply Chain Information Technology

Introduces students to supply chain management (SCM) technologies, including a broad range of information technology (IT) capabilities from automating data capture to facilitating supply chain design. Content spans computer technology, including larger server-based, data intensive software to PC-based decision technology to the current trend toward Web-based software and cloud computing.

SCM 413 – Supply Chain Operations

Analysis of supply chain operations and management techniques applied to manufacturing, transportation, warehousing, and distribution center operations.

SCM 421 – Global Strategic Sourcing

Addresses the processes that facilitate the structure, development, and management of value added transactions and relationships between supplier and customer organizations in a global supply chain context. The course examines the management of the business purchasing function, including supplier selection and development, quality control, and performance measurement.

SCM 422 – Supply Chain Planning and Financial Analysis

This course focuses on the development of tactical plans in support of the firm's supply chain strategies, with an emphasis on how to integrate these plans into a unified and coordinated supply chain system. Students are exposed to concepts and models important in supply chain planning with emphasis on key financial and operational tradeoffs.

SCM 460 – Global Strategies for Supply Chain Management

Capstone course with emphasis on strategic supply chain management from a global perspective. Integrates supply chain concepts, framework, processes, and tools learned in previous supply chain management course work.

SCM 499 – Special Topics in Supply Chain Management

Seminar designed to study current issues in supply chain management.