

Supply Chain Management

Undergraduate Study

For undergraduate curriculum in business, major in Supply Chain Management.

Supply Chain Management is an integrated program of study concerned with the efficient flow of materials, products, and information within and among organizations. Supply chain management involves the integration of business processes across organizations, from material sources and suppliers through manufacturing and processing to the final customer. The program provides students with the core knowledge related to a wide variety of supply chain activities, including demand planning, purchasing, transportation management, warehouse management, inventory control, material handling, product and service support, information technology, and strategic supply chain management. The program offers two concentrations: logistics and operations. The logistics concentration focuses on skills related to transportation, distribution, warehousing, facility location analysis, and packaging. The operations concentration focuses on the analysis, design, implementation, planning, control, and improvement of manufacturing and service processes.

The study of Supply Chain Management prepares students for professional careers with manufacturers, retail distributors, logistics service providers, including carriers and non-asset based 3PLs, and consulting firms. The curriculum provides the required theoretical and conceptual base and analytical methods for making sound operational and strategic business decisions related to all activities in a supply chain.

The Supply Chain Management major requires students to take 18 credit hours in the supply chain management area. This requirement is met by completion of the following common core courses:

Core (15 credits)

SCM 424	Process Management, Analysis, and Improvement	3
SCM 453	Supply Chain Planning and Control	
SCM 460	Decision Tools for Logistics and Operations Management	3
SCM 461	Principles of Transportation	3
SCM 486	Principles of Purchasing and Supply Management	3
Electives (3 credits)		
SCM 340	Project Management	3
SCM 440	Supply Chain Information Systems	3
SCM 450	Enterprise Resource Planning Systems in Supply Chain	3
SCM 462	Transportation Carrier Management	3
SCM 466	International Transportation and Logistics	3
SCM 487	Strategic Supply Chain Management	3
SCM 491X	International Live Case and Study Tour	3

Total Credits 33

Students are encouraged to consider meeting the requirement for both concentrations to establish a broader foundation for a successful career in supply chain management.

The department also offers a minor for non- Supply Chain Management majors in the College of Business. The minor requires 15 credits from an approved list of courses, of which 9 credits must stand alone. Students with declared majors have priority over students with declared minors in courses with space constraints.

Graduate Study

The Department of Supply Chain and Information Systems participates in the full-time and part-time Master of Business Administration (M.B.A.) and in the Ph.D. in Business and Technology programs. The department also participates in the interdepartmental M.S. in Transportation program.

The M.B.A. program is a 48-credit, non-thesis, non-creative component curriculum. Thirty of the 48 credits are core courses and the remaining 18 are graduate electives. Students can obtain a specialization in Supply Chain Management within the M.B.A. program.

The Ph.D. in Business and Technology is a 56-credit curriculum (minimum) that culminates in a dissertation. Students may select Supply Chain Management (SCM) as their major area of specialization. The primary objective of the SCM specialization is to prepare students for careers in research universities. The

SCM domain is broad and includes the design, development and control of business processes for the conversion of inputs into outputs and distribution of those outputs. The traditional focus of SCM was on integration of processes across multiple functions within the firm—operations management, logistics, and purchasing primarily, with elements of marketing and information systems also included. However, in today's world, with competition across supply chain networks, SCM also involves integrating business processes across firms. Research in this area is therefore interdisciplinary in nature and addresses both intra- and inter-organizational issues.

Ph.D. core curriculum	6
Doctoral seminars and research practicum in the area of specialization	14
Minor area (9 cr.) plus electives (3 cr.)	12
Research methods courses	12
Dissertation	12
Total Credits	56