SUPPLY CHAIN MANAGEMENT, MSCM

Degree: Master of Supply Chain Management (MSCM)

Program Overview

The Master of Supply Chain Management program is designed for individuals with quantitative training who seek to obtain a position in supply chain management or a management position in manufacturing, healthcare, service or consulting firms that are part of sophisticated national or global supply chains. The Master of Supply Chain Management curriculum provides students with the fundamentals of business as well as depth and focus in the principles and concepts of supply chain management. This unique program produces highly knowledgeable professionals who are well prepared to make organizations more efficient and competitive.

The Master of Supply Chain Management program attracts individuals with a quantitative undergraduate degree who have an interest in gaining expertise in the field of supply chain management. Typical undergraduate majors include:

- Engineering
- Statistics
- Computer science
- Economics
- Mathematics
- Business

Work experience is beneficial but not required for admission; many students pursue the Master of Supply Chain Management program immediately following the completion of their undergraduate degree.

Learning Outcomes

- Students use quantitative skills to help organizations make good decisions.
- Students use their knowledge to help organizations manage their supply chains.
- Students work effectively with people in the functional areas of business.

For more information, contact Meredith Mackney, Director of Recruitment, at 216.368.7586.

Program Requirements

The 30 credit hour Master of Supply Chain Management program is a full-time program that starts in the fall semester each year and can be completed in two, three or four semesters. The curriculum comprises the following three components:

Analytics Core

The Analytics Core provides the mathematical, statistical and computational skills needed by supply chain analysts in research and development groups in manufacturing and services companies and consulting firms.

Code	Title	Credit Hours
Analytics Core Courses		
SCMG 411A	Optimization Analytics for Supply Chain	1.5
SCMG 432A	Spreadsheet and Business Process Simulation - I	1.5
SCMG 433	Statistical Data Analytics for Supply Chain	3
Total Credit Hours		**6**

Supply Chain Core

The Supply Chain Core builds upon the business and quantitative foundation to provide advanced knowledge in operations and supply chain management.

Code	Title	Credit Hours
Supply Chain Core Courses		
SCMG 406	Operations Management	3
SCMG 420	Experiential Learning with Six Sigma Green Belt	3
SCMG 475	Global Supply Chain Logistics	3
SCMG 477A	Business Forecasting	1.5
SCMG 477B	Enterprise Resource Planning in the Supply Chain	1.5
SCMG 476A	Strategic Sourcing in Supply Chain	1.5
SCMG 470	Supply Chain Risk Management	1.5
SCMG 460	Supply Chain Strategy	1.5
SCMG 480	Blockchain Technology in Supply Chain Management	1.5
Total Credit Hours		**18**

Elective Options

Students must choose 6 credit hours of departmentally approved elective supply chain courses based on availability, which currently include the following:

Code	Title	Credit Hours
Electives		
SCMG 422	Lean Operations	3
SCMG 450	Project Management	3
SCMG 492	Foundations of Python Programming	1.5
SCMG 478	Operational Excellence	3
SCMG 432B	Spreadsheet and Business Process Simulation - II	1.5
SCMG 491	Revenue Management	3

Dual Degree Options

- Business Administration, MBA/Supply Chain Management, MSCM