

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.

| Code | Title | Credit Hours |
|--------------------------|---|--------------|
| Required Courses: | | |
| SCMG 406 | Operations Management | 3 |
| SCMG 411A | Optimization Analytics for Supply Chain | 1.5 |
| SCMG 420 | Experiential Learning with Six Sigma Green Belt | 3 |

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| SCMG 432A | Spreadsheet and Business Process Simulation - I | 1.5 |
| SCMG 433 | Statistical Data Analytics for Supply Chain | 3 |
| SCMG 461 | Professional Development in Supply Chain | 0 |
| SCMG 462 | Artificial Intelligence Fundamentals for Supply Chain Management | 1.5 |
| SCMG 463 | Case Studies in Artificial Intelligence - Supply Chain Applications | 1.5 |
| SCMG 470 | Supply Chain Risk Management | 1.5 |
| SCMG 475 | Global Supply Chain Logistics | 3 |
| SCMG 476A | Strategic Sourcing in Supply Chain | 1.5 |
| SCMG 477A | Business Forecasting | 1.5 |
| SCMG 477B | Enterprise Resource Planning in the Supply Chain | 1.5 |
| SCMG 492 | Foundations of Python Programming | 1.5 |
| Electives | | 4.5 |
| Total Credit Hours | | 30 |

Students must choose 4.5 credit hours of departmentally approved elective supply chain courses based on availability.

| Code | Title | Credit Hours |
|------------------|--|--------------|
| Electives | | |
| SCMG 422 | Lean Operations | 3 |
| SCMG 432B | Spreadsheet and Business Process Simulation - II | 1.5 |
| SCMG 450 | Project Management | 3 |
| SCMG 460 | Supply Chain Strategy | 1.5 |
| SCMG 480 | Blockchain Technology in Supply Chain Management | 1.5 |
| SCMG 491 | Revenue Management | 3 |

Dual Degree Options

- Business Administration, MBA/Supply Chain Management, MSCM