

MASTER OF SCIENCE IN INTEGRATED SUPPLY CHAIN MANAGEMENT

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Master of Science in Integrated Supply Chain Management
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STATEMENT OF PURPOSE

The Integrated Supply Chain Management master's degree program (MSISCM) prepares individuals to enter or advance in the supply chain management field. The MSISCM program is interdisciplinary, with faculty and content from the School of Business, Industrial Studies, and Engineering. Graduates of the program will be able to deploy technical expertise for analyzing, optimizing, and managing complex global supply chains.

STUDENT LEARNING OUTCOMES

Upon completion of the MSISCM program, students will be able to:

1. Evaluate the efficiency of a supply chain using a wide range of analytical frameworks.
2. Execute strategies to optimize a global supply chain.
3. Assess supply chain risks and recommend strategies to reduce them.
4. Employ management techniques and strategies to align people, resources, and processes in a global supply chain.
5. Utilize technology (customer synchronization, ERP, etc.) to extract insights and facilitate workflow.

INTRODUCTION

The M.S. in Integrated Supply Chain Management is an online program designed to accommodate the needs of working adults. The program allows for rigorous study and development of substantial technical expertise while providing the flexibility to maintain full-time work. The curriculum focuses on the integration of business, production planning (i.e. industrial studies), and engineering to provide students with a highly-unique and versatile skillset that is valued by employers. Coursework heavily emphasizes application and real scenarios that current supply chain managers face on a daily basis.

This program is open to persons who hold a bachelor's degree from an accredited institution in business administration, industrial/engineering technology management, industrial engineering, or a related field.

SPECIAL STUDENTS

Students who have earned a bachelor's degree from a nationally or regionally accredited institution recognized by the Council for Higher Education Accreditation may register as a Special Student. Students will receive academic credit for courses taken while on this status. Students can be considered for admission into a degree program if they maintain a 3.00 grade point average in all graduate-level work and all other admission requirements are met. With the program area advisor's approval, students may transfer up to 12 credits earned at UW-Platteville into a degree program. All graduate-level work will be included in computing a student's GPA.

CURRICULUM

The Master of Science in Integrated Supply Chain Management is earned upon the successful completion of 30–33 credit hours (total varies depending upon foundation courses that are required based on the student's approved degree plan). All courses are three credits unless otherwise noted. Graduate credits in which a grade lower than a "C-" has been earned will not be counted toward the degree; however, these lower grades will be reflected in the student's grade point average.

Course	Title	Credits
Foundation Courses		3-6
BUSADMIN 6100	Supply Chain Management (prerequisite to ISCM 7100)	
ISCM 7100	International Supply Chain Management	
Core Competencies		18
Analysis:		
ENGRG 7820	Quality Engineering and Management	
Purchasing:		

BUSADMIN 6160	Purchasing Management
Management:	
OCL 7330	Organizational Change Leadership: Theory and Practice
Operations:	
INDUSTDY 6950	Production Planning and Control
Logistics:	
ISCM 7500	Supply Chain Logistics
Customer Relations:	
ISCM 7700	Customer Relationship Management
Advanced Requirement	
3	
Select one Capstone course to be taken the last semester.	
ISCM 7840	Integrated Supply Chain Management Capstone
ISCM 7920	Seminar Paper Research
ISCM 7990	Thesis Research
Areas of Emphasis	
6	
Select a minimum of 6 credits in a chosen Area of Emphasis: ¹	
Analysis:	
ENGRG 6050	Applied Statistics
ENGRG 7030	Simulation Modeling of Engineering Systems
ENGRG 7070	Optimization with Engineering Applications
ENGRG 7510	Design of Experiments
ENGRG 7850	Taguchi Method of Designing Experiments
Management:	
BUSADMIN 7540	Advanced Quality Management
OCL 7310	Business Analytics
ENGRG 5000	Engineering Communications
ENGRG 7800	Engineering Management
INDUSTDY 7000	Research Methodology
PHLSPHY 7530	Business Ethics
Purchasing:	
ISCM 7610	Outsourcing
PROJMGT 7050	Project Procurement Management
Operations:	
ENGRG 7520	Design for Manufacturability
ENGRG 7550	Product Design and Development
ENGRG 7810	Advanced Production and Operations Analysis
ENGRG 7830	Advanced Cost and Value Analysis
ENGRG 7840	Systems Engineering Management
ENGRG 7860	Continuous Improvement With Lean Principles
INDUSTDY 5950	Industrial Design for Production
Logistics:	
ISCM 7510	Import/Export
ISCM 7520	Warehousing and Distribution Management
Customer Relations:	
ISCM 7710	Supply Chain Customer Synchronization
ISCM 7720	Reverse Logistics

Total Credits**30-33**

¹ Students can complete additional classes, if necessary, to reach the number of credits required for graduation.

INTEGRATION

Of the 30-33 credits to graduate, students must take at least six from each of three disciplines.

- Business (BUSADMIN and selected ISCM courses)
- Engineering (ENGRG and selected ISCM courses)
- Industrial Studies (INDUSTDY and selected ISCM courses)