

MASTER OF SCIENCE IN SUPPLY CHAIN MANAGEMENT

<https://www.uwplatt.edu/program/master-integrated-supply-chain-management> (<https://www.uwplatt.edu/program/master-integrated-supply-chain-management/>)

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STATEMENT OF PURPOSE

The Supply Chain Management master's degree program (MSSCM) prepares individuals to enter or advance in the supply chain management field. The MSSCM 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 MSSCM 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 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 (CHEA) or U.S. Department of Education (USDE) 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 Supply Chain Management is earned upon the successful completion of 30 credit hours. 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 Course | | 3 |
| ISCM 7100 | International Supply Chain Management | |
| Core: | | 18 |
| BUSADMIN 7010 | Business Analytics | |
| BUSADMIN 6160 | Purchasing Management | |
| BUSADMIN 6840 | Strategic Management | |
| AETM 6950 | Production Planning and Control | |
| ISCM 7500 | Supply Chain Logistics | |

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|---|---|-----------|
| 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. | | |
| Total Credits | | 30 |

AREAS OF EMPHASIS

ANALYSIS EMPHASIS

| Course | Title | Credits |
|---|--|----------|
| Choose 6 credits from the following: | | 6 |
| ENGRG 6050 | Applied Statistics | |
| INDSTENG 7030 | Simulation Modeling of Engineering Systems | |
| INDSTENG 7070 | Optimization with Engineering Applications | |
| INDSTENG 7850 | Taguchi Method of Designing Experiments | |
| MECHENG 7510 | Design of Experiments | |
| Total Credits | | 6 |

MANAGEMENT EMPHASIS

| Course | Title | Credits |
|---|-----------------------------|----------|
| Choose 6 credits of the following: | | 6 |
| BUSADMIN 7540 | Advanced Quality Management | |
| MECHENG 5000 | Engineering Communications | |
| INDSTENG 7800 | Engineering Management | |
| AETM 7000 | Research Methodology | |
| PHLSPHY 7530 | Business Ethics | |
| Total Credits | | 6 |

PURCHASING EMPHASIS

| Course | Title | Credits |
|--------------------------------|--------------------------------|----------|
| Complete the following: | | 6 |
| ISCM 7610 | Outsourcing | |
| PROJMGT 7050 | Project Procurement Management | |
| Total Credits | | 6 |

OPERATIONS EMPHASIS

| Course | Title | Credits |
|---|---|----------|
| Choose 6 credits from the following: | | 6 |
| AETM 5950 | Industrial Design for Production | |
| INDSTENG 7810 | Advanced Production and Operations Analysis | |
| INDSTENG 7830 | Advanced Cost and Value Analysis | |
| INDSTENG 7840 | Systems Engineering Management | |
| INDSTENG 7860 | Continuous Improvement With Lean Principles | |
| MECHENG 7520 | Design for Manufacturability | |
| MECHENG 7550 | Product Design and Development | |
| Total Credits | | 6 |

LOGISTICS EMPHASIS

| Course | Title | Credits |
|---|---|----------------|
| Choose 6 credits from the following: | | 6 |
| ISCM 7510 | Import/Export | |
| ISCM 7520 | Warehousing and Distribution Management | |
| ISCM 7720 | Reverse Logistics | |
| Total Credits | | 6 |

Any new elective courses will apply for all catalog years unless otherwise stated.