

# SUPPLY CHAIN MANAGEMENT

The Master of Science-Supply Chain Management at the University of Michigan-Dearborn teaches students how to manage the organizations, people, technology, and resources that transform raw materials into deliverable products.

The degree is open to students from all undergraduate majors.

You may enroll on a full- or part-time basis. The program is offered on campus, and a few of the courses are also occasionally available on-line. You may enroll on a full- or part-time basis during the fall and winter semesters, and some courses are often available during the summer. The program usually can be completed within 12 months of full-time study.

Admission is rolling, and you may begin the program in September or January. May admission is also usually possible for part-time students.

University of Michigan-Dearborn students who have been admitted to the MS-Supply Chain Management may take up to 6 graduate credits during the final semester of their undergraduate program.

## MS-Supply Chain Management Program Goals and Objectives

Goal 1: Students will acquire knowledge in supply chain management concepts and tools.

Objectives: MS-Supply Chain Management students will:

- Demonstrate understanding of supply chain management concepts.
- Demonstrate understanding of supply chain management problem-solving tools.

Goal 2: Students will develop skills to address relevant supply chain management issues and problems.

Objectives: MS-Supply Chain Management students will:

- Evaluate supply chain management problems using appropriate problem-solving approaches.
- Effectively communicate supply chain management issues.

## MS-Supply Chain Management Admission Prerequisites

- Mathematics admission prerequisite
- GMAT/GRE admission prerequisite, unless applicant qualifies for the GMAT/GRE waiver

## MS-Supply Chain Management Curriculum

Code	Title	Credit Hours
<b>Core Courses</b>		
DS 520	Applied Statistical Modeling	
OM 521	Operations Management	
OM 571	Supply Chain Management	
OM 661	Supply Chain Logis Mgmt	
OM 660	Supply Chain Analytics	
OM 661	Supply Chain Logis Mgmt	
OM 664	Strategic Sourcing	

### Electives

Select three from the following:		9
DS 570	Management Science	
DS 633	Data Mining for Business Appl	
ISM 525	Computer and Info Systems	
ISM 575	Information Management	
ISM 649	Business Intelligence	
OM 662	Product Dvlpmnt & Tech Mgmt	
OM 663	Lean & Six Sigma	
OM 665	ERP in SCM	
BA 690	Graduate Research	
BA 691	Graduate Seminar	

**Total Credit Hours** 9

Previous coursework deemed substantially similar to DS 520 or OM 521 may qualify to exempt students from those courses. Exempt courses must be replaced with other elective courses in the degree program.

In addition, up to 6 transfer credits for previous equivalent graduate coursework can be applied to the degree if those credits have not been counted toward a degree.

Exemptions and transfer credit are granted at the discretion of the program faculty.

## Dual Degree, MBA/MS, Supply Chain Management

The dual MBA/MS-Supply Chain Management combines a broad managerial education with specialized training in managing the organizations, people, technology, and resources that transform raw materials into deliverable products.

The degree is open to all students, regardless of their undergraduate major.

The program allows students to receive both the MBA and MS-Supply Chain Management simultaneously upon completion of the required 57-66 credit hours.

All courses in the program are offered on campus; many are also available on-line. You may enroll on a full- or part-time basis during the fall and winter semesters, and some courses are often available during the summer.

Admission is rolling, and you may begin the program in September or January. May admission is also usually possible for part-time students.

University of Michigan-Dearborn students who have been admitted to the MBA/MS-Supply Chain Management may take up to 6 graduate credits during the final semester of their undergraduate program.

## MBA/MS-Supply Chain Management Curriculum

Code	Title	Credit Hours
<b>MBA Core Courses</b>		
ACC 505	Devel & Interp Financial Info	3
BPS 516	Corporate Social Responsibility	3

BE 530	Econ Analysis: Firm & Consumer	3
DS 520	Applied Statistical Modeling	3
FIN 531	Fin Fundament & Value Creation	3
ISM 525	Computer and Info Systems	3
MKT 515	Marketing Management	3
OB 510	Organization Behavior	3
OM 521	Operations Management	3

**Applied Integrated Management (AIM)****International AIM course**

Choose one course from:		3
BE 583	Global Econ: Crisis & Growth	
FIN 655	International Financial Mgt	
MKT 622	Global Marketing	
OB 610	Intrnatl Dimensions of Managmt	
OM 571	Supply Chain Management	

**AIM Capstone**

BPS 535	Strategic Planning and Decision Making	3
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**General AIM courses**

Choose two courses from:		6
BA 605	Managerial Decision Making	
BA 607	Business Disruption in the Digital Age: Machine Learning, Platforms, and the Crowd	
BA 611	Organizational Dysfunction and Wealth Effects	
BA 616	Firm Value and Market Reactions	
BPS 585	Managing Strat Innov & Change	

**MBA Electives or Optional Concentration<sup>1</sup>**

Complete at least one of the available concentrations (Accounting, Business Analytics, Finance, Human Resources Management, Information Systems Management, International Business, Marketing), or choose at least two elective courses (6 credits). 6-9

**MS-Supply Chain Management Core Courses**

OM 571	Supply Chain Management	3
OM 660	Supply Chain Analytics	3
OM 661	Supply Chain Logis Mgmt	3
OM 664	Strategic Sourcing	3

**MS-Supply Chain Management Electives**

Choose three of the following courses:		9
DS 570	Management Science	
DS 633	Data Mining for Business Appl	
ISM 575	Information Management	
ISM 649	Business Intelligence	
OM 662	Product Dvlpmnt & Tech Mgmnt	
OM 663	Lean & Six Sigma	
OM 665	ERP in SCM	
BA 690	Graduate Research	
BA 691	Graduate Seminar	

**Total Credit Hours** 66

**Breadth Requirements**

- Complete AIM courses in at least 3 different disciplines.
- Complete no more than 4 AIM, MBA Concentration, and Elective courses (12 credits) in any one discipline other than Finance.
- Complete no more than 7 courses (21 credits) in Operations Management (OM) after completion of the MBA Core.
- Complete graduate business courses in at least 7 different disciplines.

No single course may be counted toward more than one requirement or concentration in the dual degree program.

Students may

waive ACC 505, BE 530, BPS 516, FIN 531, ISM 525, MKT 515, or OB 510 if they have equivalent courses in an AACSB business program completed within the previous 10 years and have earned at least a 3.2 post-60 GPA (that is, the GPA in courses taken after the first 60 undergraduate credit hours). Students who do not meet these criteria may request to have their courses evaluated for waiver credit at the time of admission. Students must have earned a B or better in equivalent courses as a part of a degree program completed within the previous 10 years.

Previous coursework deemed substantially similar to DS 520, or OM 521 may qualify to exempt students from those courses. Exempt courses must be replaced with other MS-Supply Chain Management Elective Courses.

Regardless of waiver and exemption credits granted, students must earn at least 57 credits in the dual-degree program, including at least 36 credits in the MBA portion of the program.

In addition, up to 6 transfer credits for previous equivalent graduate coursework can be applied to the degree if those credits have not been counted toward a degree.

Exemptions, waivers and transfer credit are granted at the discretion of the program faculty.

**Learning Goals**

**Goal 1 - Students will acquire knowledge in supply chain management concepts and tools.**

- Objective 1a - Students will demonstrate understanding of supply chain management concepts.
- Objective 1b - Students will demonstrate understanding of supply chain management problem-solving tools.

**Goal 2 - Students will develop skills to address relevant supply chain management issues and problems.**

- Objective 2a - Students will evaluate supply chain management problems using appropriate problem-solving approaches.
- Objective 2b - Students will effectively communicate supply chain management issues.

<sup>1</sup> Up to three graduate credits may be elected from units other than the College of Business, with prior approval of the Graduate Program Advisor.