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'Conférence des Grandes Écoles'



## SUPPLY CHAIN AND LEAN MANAGEMENT

The **MSc SCALE** program trains young managers who want to acquire specialised and in-depth skills in Supply Chain and Lean Management to be able to manage projects, value-creation and change in a performance-driven business or research environment from a global and international perspective.

### SKILLS ACQUIRED

The **MSc SCALE** is designed to enable students to acquire the following competences:

- ✓ High-level technical and management skills necessary for the management of supply chains, logistics and lean operations in the manufacturing or service industries
- ✓ Advanced training in Operations Research and decision-making techniques applied to Supply Chain Management
- ✓ In-depth knowledge of industrial Systems Operations Management, production, transport and logistics in various business sectors
- ✓ Ability to manage complex projects in an international environment
- ✓ Opportunity to put into practice the theoretical
- ✓ Opportunity to learn French and acquire some French culture

### CAREER OPPORTUNITIES

- ▲ Supply chain manager
- ▲ Supply chain planner
- ▲ Lean / continuous improvement manager
- ▲ Project manager

Aeronautics / Automotive sector

Cosmetics / Pharmacy / Food industry

Retail sector

Service industry



Preparation for 4 international certificates in supply chain, lean and project management



**DURATION:** 3 semesters including a semester-internship/ master thesis

**INTAKE:** September

**LANGUAGE:** English



**MODE:** Full time on IMT Mines Albi campus

**LOCATIONS:** Albi, France

**ACCOMMODATION:** For all students



**TUITION FEES:**  
18 500 €

**APPLICATION DEADLINE:**  
June

# SYLLABUS

The program is composed of 11 course units that include the preparation for **4 professional certificates**: ASCM's CPIM Part 1, PMI's CAPM, AGILEA's Green Belt, and DDI's DDP. These 11 course units are organised and delivered in three semesters as shown in the following table.

## SEMESTER | 1 (SEPTEMBER – JANUARY)

### FUNDAMENTALS OF SUPPLY CHAIN MANAGEMENT

- ▲ Materials Management
- ▲ CQC Fundamentals of Supply Chain Management (CPIM Part 1 certification)

### GLOBAL SUPPLY CHAIN MANAGEMENT:

- ▲ Closed-Loop Supply Chains
- ▲ Sales Forecasting
- ▲ Sourcing, Procurement and Purchasing

### PROJECT MANAGEMENT:

- ▲ Basics of Project Management (CAPM certification)
- ▲ Problem Solving and Agile Project Management

### ENTERPRISE AND NETWORK MANAGEMENT:

- ▲ Intro to Supply Chain Management
- ▲ Accounting and Finance Management
- ▲ Strategy
- ▲ Collaborative Project Management

### SOFT KILLS (1/2):

- ▲ Foreign Languages and European Culture

## SEMESTER | 2 (FEBRUARY - MAY)

### CONTINUOUS IMPROVEMENT:

- ▲ Lean-6 sigma (Green Belt certification)
- ▲ Business Process Management

### DEMAND AND FLOW MANAGEMENT:

- ▲ Marketing Logistics
- ▲ Demand-Driven Planning & Critical Chain (DDP certification)
- ▲ Constant Work-In-Progress (ConWIP)

### COMPANY CONSULTING MISSION

- ▲ Company Consulting Mission

### DECISION SUPPORT SYSTEMS:

- ▲ Quantitative Models (Operational Research)
- ▲ Discrete Event Simulation
- ▲ Data Sciences

### SUPPLY CHAIN 4.0

- ▲ Distribution, Transportation, and Physical Internet
- ▲ Collaborative Networks
- ▲ Information Systems & ERP

### SOFT KILLS (2/2):

- ▲ Foreign Languages and European Culture

## SEMESTER | 3

### INTERNSHIP & RESEARCH DISSERTATION:

- ▲ Case-based/mission-based in a company and/or conceptual in a research laboratory (in France or abroad)

## ADMISSION REQUIREMENTS

4-year Bachelor's degree or equivalent in one of the following fields:

- ▲ Engineering
- ▲ Sciences
- ▲ Management...

**English:** B2, IELTS 6, TOEIC 750 or equivalent

3 years Bachelor can also apply to this program attending an additional semester (MILES program).



*It is exciting and also a great honour to be part of the MSc SCALE program since it perfectly combines innovative learning methods with the possibility of obtaining 4 professional certificates. With the MSc SCALE degree, I am sure to become a highly competitive professional.*

Diana, Mexican alumna

> **CONTACT**  
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> **APPLICATION**  
inscriptions.mines-albi.fr

> **WEBSITE**  
www.imt-mines-albi.fr/en

