

MSc SCALE

A Master of Science of IMT Mines Albi Graduate School of Engineering in France

Accredited and labelled by the 'Conférence des Grandes Écoles'



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 theory in practice
- 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

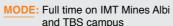
Service industry



Preparation for 4 international certificates in supply chain management.







LOCATIONS: Toulouse, + few lectures in Albi, France

ACCOMMODATION: For all students



TUITION FEES:

18 000 €

APPLICATION DEADLINE:

June



DURATION: 18 months including a

semester-internship

INTAKE: September

LANGUAGE: English

These 9 course units are organised and delivered in three semesters as shown in the following table.

SEMESTER 1 (SEPTEMBER – JANUARY) Problem Solving and Agile Project I Collaborative Project Management

1. SUPPLY CHAIN MANAGEMENT (1/2):

- Materials Management
- Supply Chain Coordination
- Basics of SCM (CPIM Part 1 certification)
- Sales Forecasting

2. PROJECT MANAGEMENT:

Basics of Project Management (CAPM certification)

- Problem Solving and Agile Project Management

3. ENTERPRISE AND NETWORK MANAGEMENT:

- Accounting and Finance Management
- Strategy and Marketing
- Network Coordination

4. PERSONAL DEVELOPMENT (1/2):

- Sustainable Personal Relationship
- ▲ Foreign Languages and European Culture

SEMESTER 2 (FEBRUARY - MAY)

5. PERSONAL DEVELOPMENT (2/2):

- Process Communication
- Foreign Languages and European Culture

6. SUPPLY CHAIN MANAGEMENT (2/2):

- Principles of sourcing, procurement and purchasing
- Marketing Logistics
- ▲ Theory of Constraints: Flow Simulation
- Distribution, Transportation, and Physical Internet
- ▲ Sustainable Operations and Closed-Loop Supply
- Chain Management

7. LEAN MANAGEMENT:

- Business Process Management
- Quality and Performance Management
- Supply Chain Operations Problem-Solving Project
- ▲ Lean-6 sigma (Yellow Belt certification)

8. DECISION SUPPORT SYSTEMS:

- Quantitative Models
- Discrete event Simulation
- ▲ Information Systems and ERP
- Demand-driven MRP and Pull Flow Strategies (DDP certification)

SEMESTER

9. RESEARCH DISSERTATION:

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

ADMISSION REQUIREMENTS

- 4 years Bachelor's degree or equivalent in one of the following fields:
 - Engineering
 - Sciences
 - Managemen

English: B2, IELTS 6, TOEIC 750 or equivalent

3 years Bachelor's degree 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, Colombian alumni

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



