

Study plan Master of Science a.y. 25-26

MANAGEMENT ENGINEERING (CL LM-31)

	Exam	Module	Subject	Disciplinary sector	Period	CFU	Code
First year	1	1a	Finance (Financial Markets)	ING-IND/35	1	6	37153ENG
		1b	Finance (Corporate Finance)	ING-IND/35	1	6	
	2	2a	Operations Management	ING-IND/17	1	6	
		One subject among the following					
		2b.1	Integrated Production Systems	ING-IND/16	2	6	37196-ENG
		2b.2	Supply Chain Management and Logistics Network Design	ING-IND/17	2		37154-ENG
	3		Project Management	ING-IND/35	2	12	37197-ENG
	4		Industrial economics	SECS-P/06	1	6	37187-ENG
	5	5a	Data analysis for business analytics	ING-INF/04	1	6	
		One subject among the following					
		5b.1	Statistics for digital and organisational innovation	SECS-S/02	2	6	37195-eng
		5b.2	Optimization for industrial problems	MAT/09	2		37194-eng
	12	12a	One elective from Table A-B		1 - 2	6	
TOTAL FIRST YEAR						60	

TOTAL FIRST YEAR							Suggested subjects ^(*)		
Exam	Module	Subject	Disciplinary sector	Period	CFU	Code	Sustainable Industrial Systems	Digital Innovation and Management	
Second year	6	6.a	Strategic Management in the Digital Economy (Theory)	ING-IND/35	1	6	37198-eng	*	*
		6.b	Strategic Management in the Digital Economy (Practice)	ING-IND/35	2	6		*	*
	7		Continuous Improvement & Quality Management	ING-IND/16	1	6	37199-eng	*	*
	8	One subject among the following							
			Industrial Asset Management	ING-IND/17	1	6	37200-eng	*	*
			Service Engineering, Operations and Management	ING-IND/17	2		37201-eng		
	9+10	Two subjects among the following							
			Public Management	ING-IND/35	1	12	37189-eng	*	*
			Sustainable and Global Supply Management	ING-IND/35	1		37202-eng	*	
			Sustainable Mobility management	ING-IND/35	2		37203-eng	*	
			Human Resource Management in the Digital Era	ING-IND/35	2		37204-eng	*	
			Startup and digital transformation	ING-IND/35	2		37205-eng	*	
			Transportation Economics and Management	ING-IND/35	1		37170-eng	*	
			Management of Global Enterprises	ING-IND/35	1		37206-eng	*	
	11	One subject among the following							
			Laboratory Sustainable Industrial Systems (SIS)	ING-IND/17 ING-INF/04	2	6	37207-eng	*	*
			Laboratory Digital Innovation and Management (DIM)	ING-IND/16 ING-IND/35	2		37208-eng		
12	12b	One elective from Table A-B			1 - 2	6			
		Other skills				1	37174-eng		
		Project Work			2	11	37175-eng		
			TOTAL SECOND YEAR		60				

Table A - Elective subjects

Subject	SSD	Period	CFU	Code
Human Resource Management in the Digital Era	ING-IND/35	2	6	37204-eng
Industrial Asset Management	ING-IND/17	1	6	37200-eng
Integrated Production Systems	ING-IND/16	2	6	37196-E1
Lean Manufacturing	ING-IND/17	2	6	39122-ENG
Management of Global Enterprises	ING-IND/35	1	6	37206-eng
Public Management	ING-IND/35	1	6	37189-eng
Service Engineering, Operations and Management	ING-IND/17	2	6	37201-eng
Startup and digital transformation	ING-IND/35	2	6	37205-eng
Supply Chain Management and Logistics Network Design	ING-IND/17	2	6	37154-ENG3
Sustainable and Global Supply Management	ING-IND/35	1	6	37202-eng
Sustainable Mobility management	ING-IND/35	2	6	37203-eng

Transportation Economics and Management	ING-IND/35	1	6	37170-eng
Internship (Tirocinio Formativo) - Requires at least 60 cfu already attained. Please read the vademecum https://ls-ig.unibg.it/it/opportunita-ed-esperienze/tirocini-e-stage			6	60065

Table B - Special activities and summer schools

Summer schools	CFU	Reference	Code
Summer School: Global Perspectives Of Public And Private Sector Interaction – Joint Summer School With Indiana University And University Of Ausburg	6	Prof. Michele Meoli e Alice Civera	37180-ENG
Summer School: Summer School On Applied Health Econometrics And Health Policy, In Collaborazione Con Crisp e Università Degli Studi Di Milano Bicocca	6	Prof. Francesco Principe e Gianmaria Martini	37181-ENG
Summer School: Green Energy Management organizzata in collaborazione con le Università Milano-Bicocca, Politecnico di Milano, Roma-La Sapienza, Chieti-Pescara, Universidad de Santiago de Compostela (Spain) e University of Aveiro (Portugal)	6	Prof.ssa Maria Teresa Vespucci	37183-ENG
Humanities Summer School	6	Prof. Tommaso Minola e Davide Hahn	
NEMO Innovation Camp (with Ecole des Mines de Saint-Etienne)	6	Prof.ssa Fabiana Pirola	
CREO-LAB SALUTE (in Italian)	6	Prof.ssa Mara Bergamaschi	165021
CREO-LAB SUSTAINABILITY	6	Prof.ssa Silvana Signori	179010-ENG
CREO-LAB TECNOLOGIE DIGITALI E INTELLIGENZA ARTIFICIALE (in Italian)	6	Prof. Antonio Ferramosca	38110
CREO-LAB TOURISM AND CREATIVE INDUSTRIES	6	Prof.ssa Federica Burini	44167-ENG
Programma HC.LAB: innovazione e imprenditorialità nell'healthcare	6	Prof. Tommaso Minola	37190
Summer School at the University of Southern Denmark (subjects to be defined)	6	Prof. Roberto Pinto	37191-ENG

**Some of the activities in Table B may imply a selection procedure or change over time.
Only one special activity (6 cfu) from Table B can be selected.**

IMPORTANT: these activities must be added to the study plan before they begin.

(1)

The **Suggested subjects** provide a general indication. It is possible, however, to choose the proposed subject differently from what is suggested.