

Study plan Master of Science a.y. 25-26 in MANAGEMENT ENGINEERING (CL LM-31)

	Exam	Module	Subject	Disciplinary sector	Period	CFU	Code
First year	1	1a	Finance (Financial Markets)	IEGE-01/A [ING-IND/35]	1	6	37153-ENG
		1b	Finance (Corporate Finance)	IEGE-01/A [ING-IND/35]	1	6	
	2	2a	Operations Management	IIND-05/A [ING-IND/17]	1	6	37196-E2
		One subject among the following					
		2b.1	Integrated Production Systems	IIND-04/A [ING-IND/16]	2	6	37196-E1
		2b.2	Supply Chain Management and Logistics Network Design	IIND-05/A [ING-IND/17]	2		37154-ENG
	3		Project Management	IEGE-01/A [ING-IND/35]	2	12	37197-ENG
	4		Industrial economics	ECON-04/A [SECS-P/06]	1	6	37187-ENG
	5	5a	Data analysis for business analytics	IINF-04/A [ING-INF/04]	1	6	
		One subject among the following					
		5b.1	Statistics for digital and organisational innovation	STAT-01/B [SECS-S/02]	2	6	37195-ENG
		5b.2	Optimization for industrial problems	MATH-06/A [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 (1)		
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)	IEGE-01/A [ING-IND/35]	1	6	37198-ENG	•	•
		6.b	Strategic Management in the Digital Economy (Practice)	IEGE-01/A [ING-IND/35]	2	6		•	•
	7		Continuous Improvement & Quality Management	IIND-04/A [ING-IND/16]	1	6	37199-ENG	•	•
	8	One subject among the following							
			Industrial Asset Management	IIND-05/A [ING-IND/17]	1	6	37200-ENG	•	
		Service Engineering, Operations and Management	IIND-05/A [ING-IND/17]	2	37201-ENG			•	
	9+10	Two subjects among the following							
			Public Management	IEGE-01/A [ING-IND/35]	1	12	37189-ENG	•	•
			Sustainable and Global Supply Management	IEGE-01/A [ING-IND/35]	1		37202-ENG	•	
			Sustainable Mobility management	IEGE-01/A [ING-IND/35]	2		37203-ENG	•	
			Human Resource Management in the Digital Era	IEGE-01/A [ING-IND/35]	2		37204-ENG		•
			Startup and digital transformation	IEGE-01/A [ING-IND/35]	2		37205-ENG		•
			Transportation Economics and Management	IEGE-01/A [ING-IND/35]	1		37170-ENG	•	
			Management of Global Enterprises	IEGE-01/A [ING-IND/35]	1		37206-ENG		•
	11	One subject among the following							
			Laboratory Sustainable Industrial Systems (SIS)	IIND-05/A + IINF-04/A [ING-IND/17 + ING-INF/04]	2	6	37207-ENG	•	
		Laboratory Digital Innovation and Management (DIM)	IIND-04/A + IEGE-01/A [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	IEGE-01/A [ING-IND/35]	2	6	37204-ENG
Industrial Asset Management	IIND-05/A [ING-IND/17]	1	6	37200-ENG
Integrated Production Systems	IIND-04/A [ING-IND/16]	2	6	37196-E1
Lean Manufacturing	IIND-05/A [ING-IND/17]	2	6	39122-ENG
Management of Global Enterprises	IEGE-01/A [ING-IND/35]	1	6	37206-ENG
Public Management	IEGE-01/A [ING-IND/35]	1	6	37189-ENG
Service Engineering, Operations and Management	IIND-05/A [ING-IND/17]	2	6	37201-ENG
Startup and digital transformation	IEGE-01/A [ING-IND/35]	2	6	37205-ENG
Supply Chain Management and Logistics Network Design	IIND-05/A [ING-IND/17]	2	6	37154-ENG3
Sustainable and Global Supply Management	IEGE-01/A [ING-IND/35]	1	6	37202-ENG
Sustainable Mobility management	IEGE-01/A [ING-IND/35]	2	6	37203-ENG
Transportation Economics and Management	IEGE-01/A [ING-IND/35]	1	6	37170-ENG
Internship (Tirocinio Formativo) - Requires at least 60 cfu already attained. Please read the vademecum https://is-ig.unibg.it/it/opportunita-ed-esperienze/tirocini-e-stage			6	60065

Table B - Special activities and summer schools

Summer schools	CFU	Reference Professor	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	37243
NEMO Innovation Camp (with Ecole des Mines de Sanint-Etienne)	6	Prof.ssa Fabiana Pirola	37244
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
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.