

**Study plan of the Master of Science in  
ENGINEERING AND MANAGEMENT FOR HEALTH (LM-31)**

**a.y. 2025-2026**

First Year NON ACTIVE for the a.y. 2025-26						
Period	Course nr.		Course	Credits	SSD	Code
2	1	C.I. 148026	Cardiovascular medicine	8	MED/11	148001mod1
1			General medicine		MED/09	148001mod3
2	2		Optimization for healthcare problems	6	MAT/09	148030
1	3		Technology entrepreneurship and strategy	9	ING-IND/35	148007
1	4		Management of Healthcare organizations	6	ING-IND/35	148029
2	5	C.I. 148005	Simulation techniques in healthcare processes	6	ING-IND/16	148005-mod2
1			Healthcare operations	6	ING-IND/17	148005-M1
Two elective courses chosen from the following						
1	6		Medical support systems for chronic diseases	6	ING-IND/34	148003
2			Healthcare Planning and Control	6	ING-IND/17	148028
2			Dynamic systems identification	6	ING-INF/04	148004
1			Methods and tools for medical sustainability	6	ING-IND/15	148027
			Total 1 <sup>st</sup> year	53		

<b>Second Year</b>						
Period	Course nr.		Course	Credits	SSD	Code
2	7a		Data Science in Medicine	6	ING-INF/04 IINF-04/A ING-INF/06 IBIO-01/A	148031 CI 148031-M1
1	7b		Medical Informatics	6	ING-INF/06 IBIO-01/A	148031-M2
2	8		Health Technology Assessment	6	ING-IND/35 IEGE-01/A	148033
1	9		Epidemiology and policy decision	3 3	SECS-P/01 ECON-01/A SECS-S/02 ECON-02/A	148034
1	10a	C.I. 148035	Healthcare logistics management	6	ING-IND/17 IIND-05/A	148035-M2
1	10b		Quality improvement in healthcare	6	ING-IND/16 IIND-04/A	148010
2	11		Project Management	6	ING-IND/35 IEGE-01/A	37197-eng
	12		Due insegnamenti tra quelli a scelta dello studente	12		
<b>Total 2<sup>nd</sup> year</b>				<b>54</b>		

Thesis work and final defense	12	148000
Credits reserved for activities under Article 10, paragraph 5, letter d	1	148025
<b>Total</b>	<b>120</b>	

Elective courses	Credits	SSD	Code	Language
Virtual and physical prototyping	6	ING-IND/15 IIND-03/B	161001-M1	ENG
Materials for advanced engineering applications	6	ING-IND/22 IMAT-01/A	39171-eng	ENG
Forensic medicine for medical technologies	6	MED/43 MEDS-25/A	148023	ENG
Service engineering operations and management	6	ING-IND/17 IIND-05/A	37201-eng	ENG
Human resource management in the digital area	6	ING-IND/35 IEGE-01/A	37204	ENG
Medical support systems for chronic diseases	6	ING-IND/34 IBIO-01/A	148003	ENG
Process Management in Healthcare	6	ING-IND/35 IEGE-01/A	148006	ENG
Metodi e strumenti per il ciclo del prodotto	6	ING-IND/15 IIND-03/B	37008	ITA

Additional elective activities	Credits		Code
Internship	6		60065
CREO-LAB Salute	6		165021
CREO-LAB Tecnologie digitali e intelligenza artificiale	6		38110

The selection of other courses provided by the School of Engineering must be verified and approved by the Degree Program  
A **curricular internship** or a **Summer / Winter School** or a **CREO-Lab** (max 6 credits) can be included among the 12 credits for

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